EL PASO COMMUNITY COLLEGE

# Catalog



2023-2024 President's Letter



Dr. William Serrata
El Paso Community College President

## "Welcome to El Paso Community College!"

Congratulations, you have chosen *The Best Place to Start & Finish* your education. By investing in yourself and enrolling at EPCC you will be able to achieve your dreams. Not only does EPCC provide high-quality and affordable education, we offer many opportunities for you. From interacting with our highly qualified faculty to participating in innovative learning experiences, EPCC will successfully prepare you for your future.

EPCC makes learning convenient with five campuses located throughout El Paso County, all of which offer state-of-the-art facilities and learning spaces. The college offers classes at times that fit your schedule, including night, online and weekend courses. EPCC has over 150 programs of study where you can earn an Associates of Applied Science (AAS), Associates of Science (AS), Associates of Arts (AA) degree, or certificates of completion as well as more than 350 personal enrichment/continuing education courses. We have programs that will get you ready for university transfer, prepare you to enter the workforce, or advance your career.

Besides a great academic experience, EPCC also has a vibrant campus life. I encourage and invite you to participate in the many activities we offer, such as student clubs, student government, and campus events. Use this catalog as well as our website www.epcc.edu for additional online resources to assist you.

Our faculty and staff are also here to provide guidance along the way to help you reach your educational and professional goals. We are committed to your success!

Sincerely,

Dr. William Serrata, Ph.D.



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Financial Aid and VA Provisional Admission		Machining Technology - CNC Machinist Certificate	
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Advanced Technical Certificates		Photovoltaic (PV) Installer Certificate Renewable Energy Technology Systems Certificate	
Health Career & Technical Education Counseling		Travel and Tourism	
Health Accreditation Information		Travel Counselor/Airline Reservationist Certificate	
Border Health Issues Certificate		Welding Certificate	
Dental Assisting		Public Services	
Dental Assisting Certificate		Court Reporting	
Dental Hygiene		Court Reporting Certificate	
Diagnostic Medical Sonography		Machine Shorthand Scopist Certificate	
Diagnostic Medical Sonography Certificate		Realtime Closed Captioning/CART Certificate	
Echocardiography (Adult)		Criminal Justice	
Echocardiography (Adult) Certificate		Criminal Justice Option	
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Automotive Technology - One Tear Certificate  Automotive Technology - Two Year Certificate		Electrical and Computer Engineering Principles	
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### The 2023-2024 Catalog

Is an official publication of:

El Paso County Community College District, P.O. Box 20500, El Paso, Texas 79998-0500. 915-831-2648 - www.epcc.edu

### **Publication Date: April 2023**

This catalog is a general information publication only. It is not intended to, nor does it contain, all regulations that relate to students. The provisions of this catalog do not constitute a contract, expressed or implied, between any applicant, student or faculty member and El Paso County Community College. The College reserves the right to withdraw courses at any time, to change fees and tuition, calendar, curriculum, degree requirements, graduation procedures, and any other requirements affecting students. Changes will become effective whenever enacted by the College's administration and will apply to both prospective students and those already enrolled.

To obtain the most updated catalog information, please visit epcc.edu/Academics/Catalog. For corrections or inquiries, please contact the Office of Curriculum and Instructional Development at curriculum@epcc.edu or call 915-831-2648.

El Paso County Community College District does not discriminate on the basis of race, color, national origin, religion, gender, age, disability, veteran status, sexual orientation, or gender identity.

### El Paso County Community College District Strategic Plan

### Strategic Plan 2021-2025

**Mission** - The mission of El Paso Community College is to ensure affordable, high quality education and career pathways from start to finish.

**Vision** - EPCC will be a progressive educational leader transforming our future.

### **Strategic Goals and Outcomes:**

### 1. Provide Quality Education to meet Students' Diverse Needs

- a. Facilitate College Transitions
- b. Prepare Students with Marketable Skills for Gainful Employment
- c. Promote Co-Curricular Learning
- d. Provide State-of-the-Art Infrastructure, Technology, and Services
- e. Provide Relevant Professional Development Opportunities

### 2. Drive Student Success

- a. Engage Students Inside and Outside the Classroom
- b. Promote a College-Going Culture
- c. Increase Student Retention and Graduation Rates
- d. Optimize Support Services
- e. Close Equity Gaps in Student Outcomes

### 3. Foster Engagement and Increase Partnerships

- a. Retain Qualified Employees
- Promote Innovation and Accountability
- c. Empower Employees to Take Responsibility for Student Recruitment, Engagement, and Success
- d. Align Partnerships with Regional Educational, Economic and Workforce Needs
- e. Increase EPCC Visibility

### 4. Sustainability

- a. Maintain Fiscal Strength and Accountability
- Prioritize Individual, Campus and Workplace Safety
- c. Integrate Data in Decision Making and Planning
- d. Ensure Quality and Effectiveness in All College Operations
- e. Prioritize Emergency and Crisis Preparedness

### **Accreditation**

El Paso County Community College District is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate degrees. Degree-granting institutions also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of El Paso County Community College District may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

### **Texas Higher Education Coordinating Board** (THECB)

1200 East Anderson Lane Austin, Texas 78752

Phone: 512-427-6101 | Fax: 512-427-6127

Website: highered.texas.gov

### Texas Education Agency (TEA)

1701 North Congress Avenue Austin, Texas 78701-1494 Phone: 512-463-9734

Website: tea.texas.gov

### **EPCC Academic Calendar 2023-2024**

### **FALL SEMESTER 2023**

April 3 _ August	11Online Registration/All Fall Sessions
	LATE Online REGISTRATION*
-	Faculty Development
	ber 14(Late Registration continues for
	and for Fall MMII. Registration must be completed and
	yment arrangements made prior to the $1^{st}$ day of class.)
	Last Day to Submit Notification of Intent to be
September 1	Absent for Observation of Religious Holy Days
Sentember 4	Absent for Observation of Religious Holy DaysInstitutional Holiday (No Classes)
September 4	
	Professional & Organizational Development Day**
	· · · · · · · · · · · · · · · · · · ·
	2nd Minimester Begins
November 1/	
November 10	(Fall Semester, 2 <sup>nd</sup> Minimester and Late Start)Institutional Holiday
	Institutional Holiday (No Classes)
	• • •
	(Saturday) Classes Resume
	FINALS
	unuary 16, 2024Student Winter Break
December 21 – Ja	nuary 3, 2024Staff Winter Break
<b>SPRING SE</b>	MESTER 2024
October 2 - Janua	try 5Online Registration/All Spring Sessions
October 2 - Janua January 5	ary 5Online Registration/All Spring SessionsPayment Deadline for Online Registration
October 2 - Janua January 5	try 5Online Registration/All Spring Sessions
October 2 - January 5	try 5Online Registration/All Spring Sessions Payment Deadline for Online Registration LATE Online REGISTRATION* Faculty Development
October 2 - Janua January 5 January 6 - 15 January 8 - 12 January 15	try 5Online Registration/All Spring SessionsPayment Deadline for Online RegistrationLATE Online REGISTRATION*Faculty DevelopmentInstitutional Holiday (No Classes)
October 2 - Janua January 5 January 6 - 15 January 8 - 12 January 15	try 5Online Registration/All Spring Sessions Payment Deadline for Online Registration LATE Online REGISTRATION* Faculty Development
October 2 - January 5	try 5Online Registration/All Spring SessionsPayment Deadline for Online RegistrationLATE Online REGISTRATION*Faculty DevelopmentInstitutional Holiday (No Classes)
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October 2 - January 5	Institutional Holiday (Spring Break)  Last Day to DROP with a "W" (1st Minimester)  Last Day to DROP with a "W" (1st Minimester)  Payment Deadline for Online Registration  LATE Online REGISTRATION*  Faculty Development  Faculty Development
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October 2 - January 5	Ary 5
October 2 - January 5	Ary 5
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### SUMMER I 2024 (5 weeks)

SCHILLENT FOR I (6 Weels)	
March 4 – May 17 Online Registration/All Summer Sessi.  May 17 Payment Deadline for Online Registrat  May 18 LATE Online REGISTRATIO  May 27 Institutional Holiday (No Clas  June 3 CLASSES BEG	tion DN* (ses) GIN
June 6Census D	<b>a</b> te
June 6Last Day to Submit Notification of Intent to	be
Absent For Observation of Religious Holy De	
June 19Last Day to DROP with a "	
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July 4Institutional Holiday(No Class	
July 5	ıme
July 5FINA	LS
July 10Grades Available Online O	nly
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JUMP START 2024 (5 weeks)	
March 4 – June 7 Online Registrat	tion
June 7	ion hat
remains May 22 <sup>nd</sup> .	
May 18 - June 7LATE Online REGISTRATIO	N*
June 10	
June 13	
June 14Last Day to Submit Notification of Intent to	
Absent For Observation of Religious Holy De	
June 25Last Day to DROP with a "	
July 4Institutional Holiday (No Class	
July 5	
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SUMMER II 2024 (5 weeks)  March 4 – June 14. Online Registrat June 14. Payment Deadline for Online Registrat Only if enrolled in this term. If you have various terms of enrollment to include Summer I and any other summer term, the payment deadline remains May 22nd.  May 18 – July 7 LATE Online REGISTRATIO July 8 CLASSES BEG July 11 Census D July 14 Last Day to Submit Notification of Intent to Absent For Observation of Religious Holy D July 24 Last Day to DROP with a " August 8-9 FINA August 14 Grades Available Online O	only  tion tion that  N* GIN Oate o be ays W'' LLS only
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SUMMER II 2024 (5 weeks)  March 4 – June 14	only
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SUMMER II 2024 (5 weeks)  March 4 – June 14	only
SUMMER II 2024 (5 weeks)  March 4 – June 14	only

<sup>\*\*</sup>Only Evening Classes will meet as scheduled. All Administrative and Student Support Services Offices will be closed. (All College staff and faculty report to work

August 14.....Grades Available Online Only \*Payment Deadline is 5:00 pm on day of registration. If registration is completed

online after hours, payment must be made by the next business day.

<sup>\*\*\*(</sup>All classes will meet as scheduled.) (Administrative and Student Support Services Offices will be closed for training)

### **Our History**

In 2019, EPCC celebrated its 50th Anniversary. The college continues to transform lives of our students and community.

El Paso Community College (EPCC) offers high quality and affordable education. With more than one million students served and more than 80,000 degrees and certificates awarded, EPCC has had a positive impact on students and the community during our 50-plus year history.

Established in 1969, EPCC is the largest two-year postsecondary institution in the Paso Del Norte Region. EPCC offers a variety of academic programs, continuing education classes and workforce training. These successful programs support our community and give students an opportunity to achieve their dreams.

The college is nationally recognized for excellence in programs and support services. EPCC was named as one of the Top 10 Community Colleges in the nation by the Aspen Institute in 2015 and has also been the recipient of the prestigious Student Success Award by the American Association of Community Colleges (AACC) among numerous other national accolades. EPCC has been consistently nationally ranked #1 for the number of associate degrees awarded to Hispanic students.

EPCC continues to respond to community needs. The college serves as a leader in training the emerging workforce and provides expertise to area business and industry. EPCC has established partnerships with K-12 and 4-year institutions creating strong educational pathways for our region. As a result, EPCC has improved educational attainment and economic mobility for our community.

Today, EPCC serves more than 28,500 students and offers over 150 programs. The college remains focused on engaging students, growing community partnerships, and fostering excellence. By creating a college-going culture and implementing innovative student success initiatives, EPCC is transforming the pathway to higher education and developing a better prepared workforce for our region.

### El Paso Community College Campuses

### **Meeting the Educational Needs of Our Community**

In 1975, EPCC purchased just a single building on Rio Grande Street using funds and equipment donated by Project Hope. From its humble start, EPCC grew into five campuses strategically located throughout El Paso. These campuses offer a range of credit courses that can help you obtain either an Associate of Arts or Science, an Associate of Applied Science, Certificate of Completion, Enhanced Skills Certificate, or Advanced Technical Certificate.

You can also obtain additional education by enrolling in our non-credit courses given by the Workforce and Continuing Education Program. All the campuses offer full services, including admissions and registration, financial aid and counseling, libraries, bookstores, cafeterias, and child care at two campuses. We also offer literacy and basic skills classes, as well as non-credit classes throughout El Paso County at community centers and public schools. Read below to learn more about our campus locations and their special programs.

For EPCC maps visit epcc.edu/Contact/Maps



**Rio Grande Campus** 100 W. Rio Grande Ave. El Paso, Texas 79902

The Rio Grande Campus was the first permanent facility for El Paso Community College. The campus focused on education for health careers and expanded its courses in 1980 to include the arts, sciences, and other workforce education programs. It provides a top-quality educational environment for its diverse population of over 5,000 students.

For more information visit, epcc.edu/Contact



**Valle Verde Campus** 919 Hunter Dr. El Paso, Texas 79915

Valle Verde is the largest and most centrally located facility in the college district. It is the main location for all student service functions and includes a child care center. This campus houses the Advanced Technology Center, the Language Institute, and the Intercollegiate Athletic Program. It serves nearly 18,000 students each semester.

For more information visit, epcc.edu/Contact



**Transmountain Campus** 9570 Gateway N. Blvd. El Paso, Texas 79924

The Transmountain Campus was designed to complement the visual angles of the Franklin Mountains and the surrounding desert. It houses the college's only performance/lecture facility for concerts, films, large meetings and community events. The facility serves over 4,000 students each semester.

For more information visit, epcc.edu/Contact

### **EPCC Fort Bliss Center**

Building 639 & 641, Taylor Rd. El Paso, Texas 79906

EPCC began its operations within Fort Bliss, and today we still offer educational programs on base. Services are provided to active duty military personnel, their family members and civilians. Call 915-831-5511 for more information.



**Northwest Campus** 6701 S. Desert Blvd. El Paso, Texas 79932

The Northwest Campus opened in 1994 to serve the expanding population of far West El Paso. Unique to this location is the Northwest Campus Library that serves the area as a "Community Library" in partnership with the City of El Paso and the El Paso Public Library. The Northwest Campus offers a full range of academic, technical, and non-credit classes to over 3,000 students.

For more information visit, epcc.edu/Contact



Mission Del Paso Campus 10700 Gateway Blvd. E. El Paso, Texas 79927

In 1998 EPCC opened Mission del Paso, a major educational facility in the east El Paso/Mission Valley area that serves nearly 5,000 students. The facility offers a range of classes, including a state-of-the-art Law Enforcement Training Academy that provides a spectrum of training programs for the private security profession and peace officers.

For more information visit, epcc.edu/Contact



**Administrative Services Center** 

9050 Viscount Blvd. El Paso, Texas 79925

Building 'A' of the Administrative Services Center houses support services, including the Board of Trustees, Office of the President, the Foundation for EPCC, Personnel, Payroll, Purchasing, and Information Technology. Building 'B' is home to an array of career and technical programs, as well as GED, Workforce/Economic Development, Continuing Education, Literacy Programs, and the Senior Adult Program. Business services are offered by the Small Business Development Center and the Contract Opportunities Center.

For more information visit, epcc.edu/Contact

## Early College High School

The College and Career Readiness School Models (CCRSM), including Early College High School (ECHS) and Pathways in Technology Early College High School (P-TECH), are designed to allow students to simultaneously earn a high school diploma and a post-secondary credential in four years. Students in this program take a combination of high school and college courses and receive academic and social support services to ensure their success, and it's free!

The ECHS and P-TECHS must target and enroll students who are historically underrepresented in higher education, including economically disadvantaged, first-generation, at risk, English Language Learners, and minority students. Tuition waivers for college attendance are granted to each student.

The key to the success of these school models is a strong partnership between the independent school districts (ISDs) and higher education institutions. El Paso Community College has partnered with Canutillo ISD, Clint ISD, El Paso ISD, Fabens ISD, San Elizario ISD, Socorro ISD, Tornillo ISD, and Ysleta ISD to provide eighteen ECHS and nine P-TECHS. We are currently serving more than 4,600 students through this exciting and innovative educational experience.

El Paso Community College is committed to the success of the CCRSM mission and is adding new schools every year. For more information visit,

epcc.edu/Academics/DualCredit/early-college-high-school

### **Dual Credit Program**

### **Tuition Free College Credits**

El Paso Community College (EPCC) offers courses to qualified high school students at the high school campuses. Students receive both high school credit and college credit for the courses they take in the Dual Credit program. College credentialed instructors teach the courses either on-site or through distance learning (online).

All Dual Credit students must meet the following EPCC Early Admission requirements:

- Be a high school student in grades 9-12.
- Complete and submit an admissions application on goapplytexas.org
- Meet college readiness standards.
- Complete an Early Admission Form.
- Attend New Student Orientation.

#### Courses

College courses for Dual Credit are identified as academic courses in the Academic Course Guide Manual (ACGM) or as technical courses in the Workforce Education Course Manual (WECM). Dual Credit and ECHS students may register for a maximum of 16 credit hours during a semester. A maximum load of 18 credit hours requires a 3.0 GPA or better and approval by the Dean of Dual Credit and Early College High Schools and the Vice President of Instruction and Workforce Education. Dual Credit students cannot enroll in developmental or continuing education courses.

### **Tuition and Fees Waived**

Tuition and fees are waived for college courses for Dual Credit. The Dual Credit program will benefit those who want to save money and earn college credit before graduating high school.

### **Student Services**

Students enrolled in the Dual Credit Program will have access and be entitled to all student services, facilities, and academic support services at all El Paso Community College campuses. Students will need a valid EPCC Best Start (ID) card. For more information, contact the Dual Credit Office at 915-831-6677 or visit epcc.edu/Academics/DualCredit

### **Our Future**

### El Paso Community College Foundation

The El Paso Community College Foundation promotes student success, college degree completion, and facilitates scholarships to provide increased educational opportunities for local students. The EPCC Foundation strives, with support of funding partners, to provide resources to individuals seeking workplace relevant certificates and degrees to be competitive in the workforce, or to transfer to four-year universities.

Higher education has increased economic and social mobility for thousands of El Paso Community College graduates for over fifty years, and the EPCC Foundation works to provide opportunities for all who seek support to achieve college completion. If you would like to find out more about scholarships, the work of the EPCC Foundation, or wish to donate for EPCC students, contact the EPCC Foundation at 915-831-6483, or visit epcc.edu/Administration/Foundation

### **EPCC Pathways**

AACC Pathways & Texas Pathways is the approach that EPCC has taken to manage and sustain large-scale transformational change. The goal is to improve students' rates of college completion, transfer, and attainment of jobs with value in the labor market and to achieve equity in those outcomes. To provide more consistent information to help students, EPCC has mapped programs to obtain transfer and career information, identifying course sequences, and ensuring that coursework aligns to programs of study. All of this is done with keeping student learning as the focus by supporting learning outcomes, project-based learning, applied learning, outcome mastery, and other innovative engagement strategies.

### Aspen Award

In 2015, Aspen Institute announced that EPCC was named one of the Top 10 Colleges in the Nation by the Aspen Institute for the college's impact on student success. This distinguished recognition is for having high achievement and performance in community colleges recognizes excellence in four areas: Learning, Degree Completion, Employment and Earnings, and Success for Minority and Low-Income Students. "EPCC is honored to be named a finalist for the 2015 Aspen Prize," Dr. William Serrata, EPCC President said. "This is a tribute to the long history of commitment to student success at El Paso Community College. From the Board of Trustees, to our faculty, staff and administrators there is a passion and commitment to facilitating student success."

### **HEED Award**

EPCC has consistently been awarded the Higher Education Excellence in Diversity (HEED) award from *INSIGHT Into Diversity* magazine, the oldest and largest diversity-focused publication in higher education. This national honor recognizes U.S. colleges and universities that demonstrate an outstanding commitment to diversity and inclusion.

INSIGHT Into Diversity magazine selected EPCC based on our institution's ability to embrace a broad definition of diversity on our campuses, including gender, race, ethnicity, veterans, people with disabilities, members of the LGBT community, as well as all other.

### **Workforce & Continuing Education**

The Workforce and Continuing Education center is located at 9050 Viscount Blvd., Building B. where the facility houses the following Departments:

- Office of Associate Vice-President for Workforce and Continuing Education
- Contract Opportunities Center
- Workforce Strategic Initiatives
- Literacy Programs Department

- Senior Adult Program
- Small Business Development Center
- Workforce/Economic Development and Continuing Education

Smart classrooms are available to teach classes for workforce programs. A state-of-the-art conference room is provided to conduct video conferencing, meetings, etc.

### **Achieving the Dream: Community Colleges Count**

Achieving the Dream is a data-driven national initiative created to help close the gaps in educational achievement and success for community college students by fulfilling four key objectives: guiding evidence-based institutional change; influencing public policy; generating knowledge; and engaging the public. Many community college students face significant barriers to educational success, and for many El Paso Community College (EPCC) students, these often are minority or low-income population struggles. Because of this initiative, EPCC has developed several programs and services such as PREP, TSI Boot Camps, College Readiness, Early College High School, and the Teachership Academy to aid students along their educational journey.

## Important Notice to All Students

All questions concerning the following District Policies should be referred to the Vice President for Student and Enrollment Services.

### **Information Security**

Every student of El Paso Community College (EPCC) has a role in keeping personally identifiable information (PII) confidential, and each is a stakeholder in protecting the computers, networks and databases which process and store student information. It is important to follow the "best practices for protecting information" and not abuse EPCC computer and network resources. El Paso Community College procedure CS-4, "Acceptable Use of Information Technology Resources" is the primary guidance for best practices and proper use of EPCC resources. For any questions regarding information technology best practices and maintaining the confidentiality of one's personally identifiable information, both on and off campus, please contact the Information Security (InfoSec) program at epcc.edu/Services/ITServiceCatalog/information-security

### **Equal Opportunity Statement**

El Paso Community College does not discriminate on the basis of race, color, national origin, religion, gender, age, disability, veteran status, sexual orientation, or gender identity, in providing educational programs and services or in employment opportunities and benefits. The College is committed to compliance in all of its activities and services with the requirements of Title VI and Title VII of the Civil Rights Act of 1964, as amended, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990.

Students have the right to pursue their education in an environment free from sexual harassment. Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitute sexual harassment. El Paso Community College does not tolerate the sexual harassment of students or employees. Additional information or assistance with filing a complaint may be obtained by calling the Employee Relations Department at 915-831-6630.

Inquiries concerning educational programs and services under Title VI, Title IX, Section 504, and the Americans with Disabilities Act should be directed to Student Services at 915-831-2655. Inquiries regarding compliance in employment should be directed to the Employee Relations Department at 915-831-6630.

#### Rights of Individuals with Disabilities

El Paso Community College complies with Section 504 of the Rehabilitation Act of 1973 and with the Americans with Disabilities Act of 1990 and does not discriminate on the basis of a disability in the operation of its educational programs or in its admission and employment practices. Special emphasis will continue to be placed on correcting conditions which may inadvertently discriminate against any individual with a disability. Please contact the Center for Students with Disabilities at 915-831-2426.

### **HIV/AIDS Information for Students**

The El Paso Community College policy on HIV infection and AIDS is available in the Counseling Center at each campus. The College adopted and implemented the HIV/AIDS Model Workplace Guidelines as approved by the Texas Board of Health in 1990. A copy of the complete guidelines is available in the Human Resources Office.

### **Religious Holy Days**

In compliance with Texas Education Code, Section 51.911, El Paso Community College allows a student who is absent from class for the observance of a religious holy day to make up the class work for that day within a reasonable time after the absence. Students who intend to be absent for religious holy days must notify each instructor in writing by the 15th calendar day of the semester.

### **Drug-Free Policy for EPCC Students**

The unlawful manufacture, possession, consumption, distribution, sale, dispensation, or use of controlled substances, including marijuana or alcohol, or the appearance of a student under the influence of drugs or alcohol on campus grounds, at school-sponsored functions, or while students are representing the College is prohibited at all times and is a violation of State law. In addition to criminal prosecution, student offenders will be subject to disciplinary action by the College as outlined by the Student Code of Conduct.

### **Student Conduct and Discipline**

El Paso County Community College District assumes that students entering college are familiar with the rules governing proper conduct. The Board of Trustees of the District declares all general and criminal laws of the State to be in full force and effect at the College. Dishonesty, disruption, or disorderly conduct is subject to disciplinary action as outlined in the Student Code of Conduct.

### Weapons on Campus

On August 1, 2017, a Texas bill known as "Campus Carry" was passed. This bill allows individuals who hold a concealed handgun license to carry a concealed handgun on EPCC campuses. EPCC has identified a number of exclusion areas or "gun free zones" where handguns will not be permitted, including but not limited to: ECHS, head start, child care facilities, art classrooms, chemistry labs, and culinary arts spaces. Please visit epcc.edu/Services/Police/campus-carry for additional information.

### **Undergraduate Credit Hour Limits**

Students working toward a bachelor's degree who plan to attend a four-year college or university in Texas should be aware of the 30-hour rule, which went into effect with the Fall 2005 semester. Students can take 30 semester credit hours above the credit-hour requirements of their degree. Credit hours in excess of the limit will not be funded by the state and could result in higher tuition being assessed. This does not include credit hours for remedial, developmental, workforce education, technical courses or hours earned through testing. El Paso Community College will notify students when they complete 70 credit hours toward the limit.

### **Your Privacy Rights**

### **Directory Information**

In compliance with the Family Educational Rights and Privacy Act (FERPA) of 1974, El Paso County Community College District gives notice that an information directory may be released to the general public without the written consent of the student. Directory information includes:

- Student name
- Student address
- EPCC student email address
- Telephone listing
- Dates of attendance
- Major field of study, awards, and degrees received
- Most recent/previous institution attended
- Date of Birth
- Participation in officially recognized activities/ sports
- Weight and height (for members of athletic teams)
- Academic level
- Enrollment status

Students currently enrolled may request that their directory information be withheld from the public by filing a written request at the Admissions and Registration Office. Such a request will remain in effect until the student authorizes its removal in writing.

Release of any additional information pertaining to student records must be authorized, in writing, by the student, except as authorized under the law. Students have a right to inspect, review, request copies of, and challenge the contents of their educational records. A fee will be charged for copies provided.

The Registrar's Office is the repository of all students' educational records and will supply students with information related to their educational records and refer those students requiring additional assistance to the proper College official or office. For more information on FERPA visit, epcc.edu/Administration/InstitutionalResearch/faqs.

### Records and the Annual FERPA Notifications to the Students

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their educational records:

(1) The right to inspect and review the educational records within 45 days of the day the College receives a request for access

Students should submit to the registrar, dean, or other appropriate official written requests that identify the record(s) they wish to inspect. Access to the educational records of a student who is or has been in attendance at EPCC shall be granted to the student. The College official will arrange for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

(2) The right to request the amendment of the educational records that the student believes are inaccurate or misleading. Students may ask the College to amend a record that they believe is inaccurate or misleading. They should write to the College official responsible for the record, clearly identify the part of the record they want changed and specify why it is inaccurate or misleading.

If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

(3) The right to consent to disclosures of personally identifiable information contained in the educational records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests.

A school official is a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an educational record in order to fulfill his or her professional responsibility.

(4) The right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to

comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office U.S. Department of Education 600 Independence Avenue, S.W. Washington, DC 20202-4605

## Admissions & Registration

El Paso Community College's "Open Door" policy accepts all applicants to attend the college. You can attend EPCC if you fall under any of the following categories:

### **Attendance Eligibility**

### **High School Graduate**

Obtained a high school diploma from an accredited public high school, private school, or homeschool.

#### **Transfer Student**

Previously attended other colleges or universities.

### **Dual Credit/Early College High School**

High School student that is enrolled in college courses for dual credit or is currently attending an Early College High School.

### **Early Admissions**

High School student that is enrolled in college courses prior to high school graduation who is not a Dual Credit or Early College High School student.

### **International Student**

International student who has college or high school level transcripts, along with proof of proficiency in the English language.

### Military & Veteran Student

Active duty or reserve Military.

### **Individual Approval**

If the student has not graduated from high school, or has not received a high school equivalency exam and is over the age of 18, student may still be admitted to EPCC.

### **High School Equivalency Exams**

Prospective student has successfully completed one of the following exams: GED (General Education Development), HiSet (High School Equivalency Test), or TASC (Testing Assessing Secondary Completion).

### **Admissions & Registration Process**

### **Apply for Admissions**

To apply, visit goapplytexas.org. Once your application is processed you will receive an email from the Office of Admissions and Registration with your EPCC ID number and PIN, as well as information on next steps to take.

### **Specialized Admissions for Health Careers**

Health programs acceptance is determined by individual academic performance based on a competitive ranking. For more information please visit, epcc.edu/Admissions/health-programs

### **Apply for Financial Aid**

Complete the Free Application for Federal Student Aid (FAFSA) online. FAFSA is required for almost all financial aid programs, and most of the EPCC Financial Aid Offices provide computers and help with completing a FAFSA application. Financial Aid requires a social security number for FAFSA. Apply at studentaid.gov/fafsa

### **Submit Official Transcripts**

EPCC students must have their official high school, GED, or college transcripts sent to the EPCC Admissions and Registration Office. To be considered "official", transcripts must be sent directly to EPCC from the previous school/schools to the Admissions and Registration Office. epcc.edu/Admissions/transcripts

#### **Get Vaccinated**

Texas state law requires entering students under the age of twenty-two (22) show evidence of receiving a bacterial meningitis vaccination or booster dose during the five-year period prior to enrollment. The Meningitis Vaccine required must be administered at least 10 DAYS before the semester begins. Submit documents to the Admissions and Registration Office. More information can be found at, epcc.edu/Admissions/immunization-law

### **Assessment Test**

New students must complete a placement test in order to take college-level courses. Testing must be done before attending New Student Orientation. For more information on assessment calendars, testing fees and more visit, epcc.edu/services/testingservices

### **Attend New Student Orientation**

After admission into El Paso Community College and placement requirements are completed, all students must participate in a New Student Orientation (NSO). Orientation is an opportunity to get off to a good start and become familiar with the many programs and services at EPCC. epcc.edu/Admissions/Orientation

### Meet with a Counselor

Counselors can assist students with career choices, personal issues, or any academic struggles a student might encounter. To schedule an advising session with a counselor, visit an EPCC campus, email counseling@epcc.edu, or go to, epcc.edu/Services/Counseling for online advising or assistance.

### **Register for Classes**

To register for credit courses, navigate to EPCC's Online Registration website, epcc.edu/Admissions/registration

### Pay for Classes

Access your student account and make payments online through Touchnet. You will need your EPCC student ID number and PIN. If you do not know your password, contact the IT Help Desk at 915-831-6440 or, ithelpdesk@epcc.edu. To pay online go to, epcc.edu/admissions/tuition

### Residency Status, State Tuition and Fees

Tuition rates for credit courses are established on the basis of your residence status as defined by the Texas Education Code and Rules and Regulations of the Texas Higher Education Coordinating Board.

If you are in one of the  $\underline{\text{non-Texas resident}}$  classifications and wish to appeal your classification, please contact the Admissions and Registration Office.

For more information on, <u>Resident</u> and <u>Non-Resident</u> fees, In-State Tuition Residency Requirements, Refunds, or Additional Fees visit, epcc.edu/admissions/tuition

### Changes of Name and/or Address

At the time of admission to the College, you provide us with your legal name as it will appear on your official student record. If you change your name after that, you need to provide notification in writing to the Admissions and Registration Office, accompanied by legal documentation (example: marriage certificate, copy of a court order, along with a valid driver's license or valid state ID) to identify the new name under which your records will be maintained.

The address you provide us at the time of registration is used for all correspondence with the College, such as financial aid checks, refund checks, and general correspondence. If your address changes, you need to notify the Admissions and Registration Office by submitting a Student Record Update form. This form can be found at epcc.edu/Admissions/forms

### **Evaluation of Prior Credit**

There are a variety of ways available to record additional credit hours on your transcript at El Paso Community College. Those who have attended another college or university will have those credits evaluated by EPCC for transfer. Through articulation agreements with area high schools, the College may award credit for some high school classes. Perhaps you have earned credit by examination through national testing programs, or your life experiences may gain you college credit. Currently enrolled students if you are already working in the profession for which you are seeking a degree, you may achieve advanced standing through the Credit for Learning by Experience Option (CLEO) program. Military experience and training may earn course credits. In some cases, you can take challenge exams to move through your coursework more quickly.

It is each student's responsibility to seek evaluation of credits and provide all the transcripts and documents needed to evaluate any prior educational experience.

### Resolution of Transfer Disputes for Lower-Division Courses

- (A) The following procedures shall be followed by institutions of higher education in the resolution of credit transfer disputes involving lower division courses:
- (1) If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied, and shall include in that notice the reasons for denying the credit. Attached to the written notice shall be the procedures for resolution of transfer disputes for lower-division courses as outlined in this section, accompanied by clear instructions outlining the procedure for appealing the decision to the Commissioner.
- (2) A student who receives notice as specified in paragraph one (1) of this subsection may dispute the denial of credit by contacting a designated official by either the sending or the receiving institution.
- (3) The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Board rules and guidelines.
- (4) If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date the student received written notice of denial, the sending institution may notify the Commissioner in writing of the request for transfer dispute resolution, and the institution that denies the course credit for transfer shall notify the Commissioner in writing of its denial and the reasons for the denial.
- **(B)** The Commissioner or the Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.
- (C) Each institution of higher education shall publish in its course catalogs the procedures specified in subsections (A), (B), (D) and (E) of this section.
- **(D)** The Board shall collect data on the types of transfer disputes that are reported and the disposition of each case that is considered by the Commissioner or the Commissioner's designee.
- (E) If a receiving institution has cause to believe that a course being presented by a student for transfer from another school is not of an acceptable level of quality, it should first contact the sending institution and attempt to resolve the problem. In the event that the two institutions are unable to come to a satisfactory resolution, the receiving institution may notify the Commissioner, who may investigate the course. If its quality is found to be unacceptable, the Board may discontinue funding for the course.

### **International Students**

### **Application Information and Assistance**

EPCC has dedicated staff at various campuses who assist with the needs of international students from the admission application process to transferring and graduation. We understand that the Department of Homeland Security (DHS) regulations can be difficult to understand, but we are here to help international students stay in compliance with DHS requirements while attending EPCC.

Visit a Designated School Official (DSO) for admission information epcc.edu/Admissions/international-students.

### **Apply for Admissions**

To apply, visit goapplytexas.org. Once your application is processed you will receive an email with your EPCC ID number and PIN.

### SEVIS I-20/F-1 Visa

To apply for a SEVIS I-20 Form you must:

- Complete an EPCC Admissions Application Form
- Have a valid passport from your home country
- Pay a \$25.00 (USD) admission fee
- Provide official transcripts from previous institutions

Additionally, students wishing to reside in the US while attending school full-time must submit a completed Financial Responsibility Statement, to include a current bank statement, indicating sufficient funds to pay living expenses and cost of school.

### **Transcripts**

All transcripts from previously attended institutions, both U.S. and foreign, must be received by the International Students Office prior to an I-20 being issued.

Foreign post-high school (college and university level) transcripts from all institutions previously attended, including those in English and Spanish, must have a course-by-course evaluation from the National Association of Credential Evaluation Services (NACES) agency sent directly to EPCC.

Foreign high school transcripts must have a general evaluation from the National Association of Credential Evaluation Services (NACES) agency sent directly to EPCC. A list of NACES agencies can be found at NACES.org.

### **English Proficiency**

Proof of proficiency in the English language is required for enrollment into academic programs. The following may be used as proof of proficiency:

- Official transcripts reflecting graduation from a US high school.
- Official transcripts from an accredited US college or university showing completion of 12 semester credit hours with a cumulative GPA of at least 2.0 on a 4.0 scale.
- Official report on the Test of English as a Foreign Language (TOEFL) with a minimum score of 450 (paper-based), or 133 (computerized), or 45 (Internet) on the international version.

 Completion of the English Language program at EPCC.

Students not proficient in the English language must enroll in the English Language Program.

### **Other Requirements**

After receiving the SEVIS I-20 form and F-1 Visa, the following requirements pertain to both full-time and Border Commuter students:

- You must report to the EPCC International Students Office within 10 days of entering the US for the first time on your F-1 Visa.
- You must report all changes to your address and phone number to the International Students Office within ten (10) days.
- You must check with the International Students
  Office before you make any changes to your
  schedule in order to ensure that it does not adversely
  affect your status as an F-1 student.
- To extend your I-20 Form, you must report to the International Students Office for an extension four (4) weeks prior to the expiration date. If the I-20 is not extended or renewed prior to the expiration date, it will be terminated, and the student will not be allowed to continue to study after the expiration date. The student will have to leave the US and reapply for a new I-20 and get a new F-1 Visa.
- Contact the International Students Office immediately if you plan to transfer to another college or university. Another school will not be able to issue an I-20 to you unless EPCC first releases your SEVIS record.

### Non-U.S. Citizens Enrollment Requirements and Conditions

International students (F-1) will be subject to the following requirements and conditions:

- International Students are subject to all policies and procedures of the College on the same basis as the general student population.
- International Students admitted to the Language Institute will be required to complete an appropriate placement test administered in English prior to initial enrollment in the academic program.
- F-1 students who are Living in the United States (LINUS) must register as full-time students with at least twelve (12) credit hours in each fall and spring semester. Of those twelve (12) credit hours, at least nine (9) credits must consist of traditional face-to-face classes. Intensive English Program (IEP) LINUS students must be enrolled in the 200 Hour Fast-Track Program.
- F-1 Border Commuter students must be enrolled in at least six (6) credit hours each semester, including the summers. Of these six (6) credit hours, at least three (3) credit hours must be taken as traditional face-to-face classes. Border Commuter students are not allowed to work in the United States either oncampus or off-campus unless it is part of their Post-Completion Optional Practical Training (OPT).

- Border Commuter students may not reside in the United States.
- All F-1 students (both LINUS and Border Commuters) are required to remain eligible to reenroll in order to maintain their I-20.
   It is the sole responsibility of the student to maintain their status as an F-1 student. Failure to maintain status for any reason can result in the immediate termination of the student's I-20 and the loss of their

#### **Work Permits**

Approval from the Department of Homeland Security is required prior to acceptance of off-campus employment by an F-1 student. Employment, whether off or on-campus, is limited to no more than twenty (20) hours per week; full time work is permitted during the student's vacation or break period.

legal status as an F-1 student.

Border Commuter students are not authorized for employment until after one year; then only curricular practical training or post completion practical training employment is authorized.

### **On-Campus Employment**

On-campus employment means employment performed on the College premises for the College and is limited to no more than 20 hours per week while school is in session. Full-time work is permitted during the student's vacation period if the student is eligible and intends to enroll for the subsequent academic term.

The following criteria must be satisfied:

- Must be in good academic standing.
- Must be enrolled full time for a full course of study.
- Must be in F-1 Visa status.

### **Off-Campus Employment**

The International Students Office will assist students who meet Department of Homeland Security's requirements for off-campus employment in completing the I-538 and I-765 Forms requesting employment authorization.

Students who apply for off campus employment must meet the following criteria:

- The student must be in Good Standing academically and enrolled for a full course of study.
- The F-1 student must have been enrolled for more than one year in full time status prior to making application for off-campus employment due to undue economic necessity.
- The student must demonstrate economic necessity due to unforeseen circumstances arising subsequent to entry or subsequent to change in student classification.
- Requests for practical training should be submitted prior to beginning employment. Requests must be submitted during the semester prior to when employment is to begin.
- The student must demonstrate that accepting employment will not interfere with the full course of study for which they are enrolled.

### Military & Veteran Students

The El Paso Community College would like to thank you for your service and for making us your choice in your pursuit toward higher education.

### **Benefits Application Process**

Our mission is to serve our students in the most effective and efficient way possible so they may achieve their educational goals.

We welcome you and thank you for your service and your support of our current and former service members. The following link will help you decide what educational benefit best fits your situation. va.gov/education/how-to -apply.

#### **New Students**

New students at EPCC must complete the standard steps for admission to the college (epcc.edu/Admissions/enrollment-checklist) and an Application for the Department of Veterans Affairs Benefits.

At the Student Services (Admissions/Intake) area, you must:

- Complete the college admissions steps (including testing.)
- See an Academic Counselor and obtain a degree plan.
- At the Veterans Affair Office (VAO), you must speak to a VA Certifying Official.

### **Military Guest Students**

### **First Time Guest Students**

First Time Guest Students will have to do the following:

- Complete and submit EPCC admissions application.
- Students under the age of 22 must provide evidence that they have received a bacterial meningitis vaccination or booster dose within the five-year period prior to the start of the semester in which they plan to enroll.
- Register for courses.
- Provide a Parent Institution Letter (PIL) from your home school to the EPCC VA Office. PIL must include the following information:
  - o Name and address of Primary School
  - o Name and address of Secondary School
  - o Student Name, ID#, SS#, or Claim #
  - o Chapter and percent eligibility
  - o Program of Study
  - o Term

Only courses listed on PIL will be processed for VA Education Benefits. Allow 48 hours for processing.

### **Returning Guest Students**

Returning Guest Students will have to do the following:

- Submit a reapplication if they have not been enrolled for more than a consecutive fall and spring semester.
- Provide a Parent Institution Letter from your home school to the EPCC VA Office. PIL must include the following information:
  - o Name and address of Primary School
  - Name and address of Secondary School
  - o Student Name, ID#, SS#, or Claim #
  - Chapter and percent eligibility
  - o Program of Study
  - Term

Only courses listed on PIL will be processed for VA Education Benefits. Allow 48 hours for processing.

### **Academic & Military Transcripts**

The Department of Veteran Affairs (DVA) requires that all previous education and training be evaluated for possible credit. If you previously attended another college or university, including non-accredited colleges and technical schools, you must request official transcripts be sent to EPCC.

You may request a Joint Service Transcript at the following website, jst.doded.mil/jst/. All veteran students must request the Joint Service Transcript be sent by email to sendtranscripts2@epcc.edu or by mail to:

Admissions & Registration Office El Paso Community College PO Box 20500 El Paso, TX 79998

### **Advance Payment**

Advance payment of benefits is available for Ch 30, 31, 35, and 1606 EXCEPT Ch 33.

- Must have an Advance Payment Request form on file at school.
- Must be attending school at least half-time.
- Must have a break of at least 30 days before the start of the term
- VA must receive enrollment certification at least 30 days before classes start.

If student is eligible, they will receive an advance payment for the first partial month plus the first full month of enrollment.

For example, if enrollment starts on August 25th, the first payment will be for the period August 25th through September 30th. VA will send the advance payment check to (EPCC) for the student to pick up. Since GE Bill benefits are paid at the end of the month, the next payment for October 1st through October 31st will be issued in early November. In this example, the student will need to verify attendance by October 31st.

If student reduces enrollment or withdraws from all courses during the period covered by an advance payment, the student will have an overpayment. This means the student is responsible to repay the amount to the VA. If the advance paycheck amount is incorrect, the student must contact VA before cashing the check.

### **Military Experience**

Active duty military personnel and veterans may receive college credit for education and occupational training received through the military. Veterans or Active duty service members should request Community College of the Air Force or Joint Services Transcript to be sent directly to the Admissions and Registration Office.

\* Credit awarded based on military training must apply to the student's declared degree and major.

### **Testing Services**

### Assessment/Placement Testing

Unless placed by transfer coursework or National Examination. First-time students at EPCC are required to take course placement tests to assess current skill levels in ELAR (English Language Arts and Reading) and Math. An Advanced Math Placement test is available for students that qualify. Please check with your Counselor for qualifications. Some students may be required to take additional course placement tests depending on their program of study.

If English is your second language, and you need to improve reading, writing, or speaking in English, you may take the Accuplacer ESL test prior to taking the TSIA2.

A Spanish placement test is required prior to enrolling in a college-level Spanish course for the first time at EPCC.

The Counseling department will determine which tests you need to take and refer you to the Testing Center to schedule your test appointment.

Visit epcc.edu/Services/TestingServices for the latest information regarding testing.

### **Developmental and College Readiness Education**

In keeping with the state-mandated Texas Success Initiative Assessment (TSIA), entering students must take an academic placement test in English Language Arts and Reading (ELAR) and Mathematics (MATH). Students who do not test into college-level course work will have to enroll in developmental coursework. Please be aware that all portions of the TSIA2 (college readiness classification and diagnostic test (as applicable)) are required for each student, even for dual credit and dual enrollment purposes. Students are strongly encouraged to participate in academic test preparation to assure best results on the TSIA2. Contact the PREP program's main office at 915-831-2325 for Testing Services, Tutorial Support Services, or an academic counselor for more information at any of our campuses.

### **English as a Second Language (ESL)**

If English is your second language and you took the Accuplacer ESL exam, you may be placed in English as a Second Language (ESOL) courses according to your test scores. Reading/Writing, Speaking/Listening, and Grammar courses start at a high beginning level and prepare students for academic courses at the advanced level. At the top level of the ESOL levels, students can take credit academic courses.

#### **ESOL Courses**

The English as a Second Language (ESOL) sequence of courses includes listening, speaking, reading, grammar, vocabulary and writing. The courses offer non-native English speakers essential English language training as a pathway for college readiness. All classes are taught in English. The courses include lab activities to reinforce classwork.

Reading and Vocabulary: ESOL 0344, ESOL 0345

Listening and Speaking: ESOL 0325, ESOL 0326, ESOL

0327

Writing and Grammar: ESOL 0354, ESOL 0355 Integrated Reading and Writing: INRW 0313

### Texas Success Initiative Assessment, Version 2.0 (TSIA2)

### Become TSIA Complete; Prepare for College Success

You have begun a path that leads to college success and great career options. Meeting Texas Success Initiative (TSI) requirements is the next step. Depending on your TSI Assessment 2.0 (TSIA2) placement scores, you may register for a corequisite pairing of English support course/credit math support course/credit math or reading support course/credit clontent. For additional information on TSI placement preparation, contact PREP at 915-831-2325. Students who register for and complete a college corequisite pairing simultaneously earn college credit and satisfy TSI requirements for college ready designation. Corequisite models in Math, Reading, and Writing help you improve your academic skills in these areas. College support co-requisite courses in Math, Reading and Writing provide:

- accelerate earning college credit hours;
- integrated and individualized support that offers additional learning opportunities, supplements course content, and helps build the skills needed to master course objectives;
- flexible assignments and relevant to the credit course and your overall area of study.

### What is TSIA2?

The Texas State Legislature mandates institutions assess all entering undergraduate students for readiness to enroll into college-level course work in the academic areas of English language arts, reading (ELAR) and mathematics to provide individualized developmental education programs to those students not demonstrating readiness. The Texas Higher Education Coordinating Board (THECB) requires the

reporting of developmental progression and outcomes for all students engaged in developmental education.

Students will satisfy TSI requirements and be eligible for college-level course work when they have scored college ready in the English Language Arts Reading and Mathematics sections of TSI Assessment 2.0 (TSIA2) or when they have received a passing grade in the last level of developmental education or a college-level course in reading, writing, and math

### If I am exempt from TSIA2, do I still take the academic placement tests?

All students must meet the College's course prerequisites. Depending on the course prerequisites, students might need to take a placement test, have transcripts evaluated for placement, or be exempt from TSIA2. Students may be exempt from TSIA2 by taking the ACT, SAT, TAAS, or the STAAR (EOC). Existing TSIA scores from completed tests will remain valid for up to 5 years after the test date; students may use these scores in place of TSIA2 scores.

### What if English is not my first language?

If English is your second language, and you need to improve reading, writing, or speaking in English, please take the ACCUPLACER ESL test before taking the TSIA2. At the end of the ESL levels, you have the option to take the academic courses without taking developmental courses.

### What if I do not place into college-level courses?

If you do not place into college-level course work and have not completed course work at a previous institution, you may need to take a corequisite course in addition to the college-level course to comply with course requirements. You may retake the placement test to try to place into college level course work or into a higher developmental education sequence.

### How can I prepare or retest for the TSIA2?

New students are strongly encouraged to participate in academic test preparation to assure best results on the TSIA2. You may also request a reassessment to opt-out of the corequisite course and into college-level course work or to place into a more advanced level allowing for earlier satisfaction of academic prerequisites. EPCC academic support services at each campus help students improve their college placement test scores through the PREP Program. PREP offers computer assisted tutorials in math, reading, and writing. Help is also available in the form of a two- to three-day TSI Boot Camp that provides a review of TSIA2 Math, Reading and/or Writing subject content and then you retest. For more information, visit the Pretesting Retesting Education Program at any campus or call 915-831-2325.

### **Testing**

For more information on TSIA2 Cut Scores and Course placement, visit

epcc.edu/Services/TestingServices/placement-testingservices.

### **Credit by Examination**

EPCC offers college credit based on successful completion of the nationally recognized examinations listed below.

### **CEEB - Advanced Placement Program Examinations (APP)**

Credit Awarded	Test Title	Min. Score
ARTS 1303, ARTS 1304	History of Art	3
BIOL 1306, BIOL 1106	General Biology	3
CHEM 1311, CHEM 1111	General Chemistry	3
ECON 2301	Macroeconomics	3
ECON 2302	Microeconomics	3
ENGL 1301	English Lang & Composition	3
FREN 1411	French Language	3

### **CEEB - Advanced Placement Program Examinations (APP)** *(continued)*

Credit Awarded	Test Title	Min. Score
FREN 1411, FREN 1412	French Language	5
GERM 1411, GERM 1412	German Language	4
ITSE 1329	Computer Science (AB)	3
MATH 1314	Calculus (AB or BC)	2
MATH 1314, MATH 2412	Calculus (AB)	3
MATH 2413	Calculus (AB)	4
MATH 2413	Calculus (BC)	4
MATH 2413, MATH 2314	Calculus (BC)	4
MUSI 1311	Music Theory	3
PHYS 1301, PHYS 1101	Physics (B)	4
PHYS 1302, PHYS 1102	Physics (B)	4
PHYS 2325, PHYS 2125	Physics (C)	4
PHYS 2326, PHYS 2126	Physics (C)	4
SPAN 1411	Spanish Language	3
SPAN 1411, SPAN 1412	Spanish Language	4
SPAN 2311	Spanish Literature	4

### CEEB – College Level Examination Program (CLEP)

Credit Awarded	Test Title	Min. Score
BIOL 1306, BIOL 1106	Biology	50
BCIS 1305 or COSC 1301	Information Systems & Computer Applications	50
BUSG 2305	Introductory Business Law	50
CHEM 1311, CHEM 1111	Chemistry	50
ECON 2301	Principles of Macroeconomics	50
ECON 2302	Principles of Microeconomics	50
ENGL 1301	College Composition	50
ENGL 2322, ENGL 2323	English Literature	50
FREN 1411, FREN 1412	College French	62
GERM 1411, GERM 1412	College German	50
GOVT 2305	American Government	50
*HIST 1301	History of U.S. I: Early Colonization To 1877	50
*HIST 1302	History of U.S. II: 1865 to The Present	50
MATH 1314	Algebra	54
MATH 2413	Calculus w/Elementary Functions	55
MRKG 1311	Principals of Marketing	50
SOCI 1301	Introductory Sociology	50
SPAN 1411, SPAN 1412	College Spanish	66
PSYC 2301	Introductory Psychology	50
PSYC 2314	Human Growth & Development	50

<sup>\*</sup>Note: Credit in U.S. History is allowed only for one course. The other course must be taken in a classroom as required by Texas Legislative requirements for degrees. Courses deleted by the College are not eligible for award of credit and are subject to change without notice.

### **DANTES – Subject Standardized Tests (DSST)**

Credit Awarded	Test Title	Min. Score
ACCT 2301	Principles of Financial Accounting	49
ARTS 1303, ARTS 1304	Art of the Western World	48
BIOL 2406	Environment & Humanity: The Race to Save the Planet	46
BUSG 1301	Intro to Business	46
COSC 1301 or ITSC 1301	Introduction to Computing	45
EDUC 1301	Foundation of Education	46
HRPO 2301	Human Resource Management	46
MATH 1314	Fund of College Algebra	47

### **DANTES** – Subject Standardized Tests (DSST) (continued)

Credit Awarded	Test Title	Min. Score
MATH 1342	Principles of Statistics	48
PHIL 2306	Ethics in America	46
ASTR 1304	Astronomy	52
PSYC 2314	Lifespan Developmental Psychology	50

### **Credit by Examination**

EPCC recognizes academic achievement obtained from non-traditional sources. There are alternative ways in which course credit may be earned. These include the College Entrance Examination's Board (CEEB), the CEEB Advanced Placement Program (APP), the College Level Examination Program (CLEP), the DANTES Subject Examinations, and Departmental Examinations prepared, administered, and scored by EPCC faculty members who teach the course. Official score reports must be sent directly to the Admissions and Registration Office from the testing agency. Credit earned by examination is recorded on the official EPCC academic record after the student enrolls and completes all admissions requirements.

Credit by Examination Procedures:

- 1. Credit earned by examination will be awarded only to enrolled and formerly enrolled EPCC students who meet credit by examination eligibility requirements.
- **2.** Credit by examination may be earned for any subject listed in the table charts unless the student has (a) earned credit for the equivalent course by transfer, or (b) has enrolled in the course and received a grade other than "W" or "F".
- **3.** Credit earned by examination satisfies degree requirements in the same way as credit earned by instruction. There is no limit to the amount of credit that may be earned by examination and be used to meet prerequisites for higher level courses.
- **4.** Credit earned at regionally accredited colleges will be considered for award before credit by examination.
- **5.** Credit earned by examination may not be applied to residency requirements for degree.
- **6.** Credit earned by examination is recorded as a grade of CR and is not included in grade point average calculation.
- **7.** All decisions regarding specific examinations for credit, cut-off scores, and equivalencies are made by the appropriate faculty with the concurrence of the Instructional Dean.

### **International Baccalaureate**

- **1.** Credit (CR) will be awarded to students with IB Diploma and IB Exam Scores of 4-7.
- **2.** Students must petition for their course credit after academic advising regarding the following factors:
  - Impact of accepting credit upon their tuition rebate eligibility.

- Impact of accepting credit upon additional tuition charges for excessive total hours.
- Impact of accepting credit upon a Texas Be-On-Time student loan forgiveness.
- Academic preparation for sequent course based on IB test score.

**3.** A complete listing of IB examinations and EPCC course credit equivalencies is available at:

epcc.edu/Admissions/transfer-students

### **Proficiency Examinations**

Proficiency exams offer the opportunity to demonstrate your knowledge or mastery of skills in order to earn credit for a course. Proficiency exams are usually course specific to EPCC and are non-transferable. Contact Testing Services for information about which courses have proficiency exams available and the process for applying to take these exams.

### Things to Consider:

- Check with an academic counselor before applying for a proficiency exam. If you plan to transfer to a four-year university, you should find out if the school will accept the institutional proficiency exam credit for that field of study.
- You should take proficiency exams before registering for classes to avoid late registration and add/drop fees. If you enroll for a course and then decide to challenge it so you can enroll in a higherlevel course in the same semester, the proficiency exam process must be completed before the census date.
- A course may be challenged only one time. If you attempt to challenge a course and do not receive credit, you have to enroll in that course to receive credit. You cannot take a proficiency exam for a course that you enrolled in but did not complete.
- The fees for proficiency exams vary, and the fee is non-refundable.

Contact Testing Center at epcc.edu/Services/TestingServices , for information about proficiency examinations.

### Credit for Special Certification (Non-Traditional Credit)

Students with state or national certification and/or training in the following areas may be eligible for college credits:

- Criminal Justice
- Dental Assisting
- Dental Hygiene
- Diagnostic Medical Sonography
- Emergency Medical Services/Paramedic
- Fire Technology
- Health Information Management
- Information Technology Systems
- Medical Assisting Technology
- Medical Imaging Technology-Radiography
- Medical Coding and Billing
- Medical Laboratory Technology
- Pharmacy Technology

- Physical Therapist Assistant
- Respiratory Care Technology
- Surgical Technology

Check with an academic counselor or advisor for specific information about Non-Traditional Credit.

### **High School Articulation**

EPCC has articulation agreements with area school districts in many different occupational/technical courses of study. This means you can receive college credit for some occupational/technical classes taken in high school. After you graduate from high school and enroll at EPCC, you may enroll in higher level course work that applies to your program of study through the Admissions and Registration office. You have 28 months from the day of high school graduation to apply for the credit.

Articulation agreements exist for a variety of programs. For detailed information about high school articulation, meet with your high school counselor or an EPCC academic counselor or advisor.

### **Options for Learning**

### **Traditional Classes**

EPCC offers the Associate of Arts Degree (AA), Associate of Arts in Teaching (AAT), and the Associate of Science Degree (AS) for students who plan to transfer to a four-year or upper-level college or university. The Associate of Applied Science Degree (AAS) is another option for those students seeking to obtain technical skills. Many of the technical programs offer Certificates of Completion which allow you to demonstrate mastery of advanced skills in the technical field. The AAS and the certificates usually do not transfer to four-year institutions, check with the transfer institution.

### **Continuing Education and Workforce/Economic Development**

The Continuing Education and Workforce/Economic Development areas offer programs and courses in areas of life-long-learning; to retain or advance career skills; or for those interested in transitioning careers. Workforce/Economic Development courses are designed to provide practical skills and hands-on, targeted and time-limited training. These programs provide students with the skills to adapt to today's new workplace.

### **Credit for Learning by Experience Option (CLEO)**

Currently enrolled students who have at least five years of post-high school experience in a non-classroom, non-academic setting can receive college credits on the basis of their experience and training. The student must be enrolled in El Paso Community College and be able to demonstrate achievement of all learning outcomes for a specific course or courses in an approved EPCC degree plan. Contact the college's Credit for Learning by Experience Option (CLEO) program at the Curriculum and Instructional Development Office to find out how to obtain college credit for previous experience. Visit epcc.edu/Admissions/cleo for more information.

### **Continuing Education Certificate Programs**

El Paso Community College offers Continuing Education Workforce Education Certificate Programs. These programs range between 360 and 779 contact hours, including required and/or recommended prerequisites or co-requisites. These programs lead to an external credential, such as license, certification, or registration and are taken by a majority of students in a sequence to meet occupational qualification standards. Students successfully completing these programs are eligible to attend the graduation ceremony.

### **Distance Learning**

EPCC provides flexibility to fit every student's needs by offering online, hybrid and synchronous courses. El Paso Community College charges a \$55 fee for each online and hybrid course, however, there are no additional costs associated with verification of student identity for online courses. Students may register for EPCC distance learning courses online or on campus. Before you register for online courses, access your readiness by taking the SmarterMeasure online learning readiness assessment available on the Distance Learning Support Services (DLSS) website. SmarterMeasure will indicate the degree to which distance learning and/or learning in a technology-rich environment is a good fit for you. Be advised that you may be required to take proctored online tests using Respondus LockDown Browser and Monitor to ensure a level playing field. Monitor requires the use of a webcam to confirm your identity and ensure you are not using unauthorized testing materials. Rest assured that no one, except your instructor, will review the video and your video will remain safe on the Respondus server. Watch an introduction to Respondus LockDown Browser to learn more. For information on eligibility requirements or courses, contact an EPCC counselor. For more information regarding online learning visit,

epcc.edu/Services/DistanceLearningSupportServices

### **OER Degree Initiative**

The Open Educational Resources (OER) Degree Initiative seeks to boost college access and completion, particularly for financially disadvantaged students, by engaging faculty in the redesign of courses and degree programs through the replacement of proprietary textbooks with openly licensed educational content. EPCC is one of the 38 community colleges involved in 13 states - all committed to help remove financial roadblocks that can derail a student's progress and to spur other changes in teaching, learning, and course design that will increase the likelihood of degree and certificate completion. OER include full courses, course materials, modules, textbooks, streaming videos, tests, software materials, and other tools and techniques used to support access to knowledge.

### **Tuition Rates**

Tuition rates and fees are subject to change. Please visit epcc.edu/Admissions/Tuition for up-to-date rates. **Resident tuition rates** are \$116.00 per credit hour. Those who qualify to pay resident tuition rates include:

Residents of Texas.

- Residents of Dona Aña and Otero Counties in New Mexico.
- Active duty military personnel, their spouses and dependents who are stationed at Fort Bliss.
- Permanent resident aliens who can prove Texas residency for the previous 12-month period.
- Foreign nationals who are permitted by Congress to adopt the United States as their domicile and can prove Texas residency for the previous 12 months.
- Full-time or part-time faculty, research assistants and teaching assistants, of a public institution of higher education in Texas, their spouses, and dependents.
- Non-resident students who are awarded academic scholarships of \$1,000 or more by El Paso Community College.

**Non-resident rates** are \$201.00 per credit hour. Students with non-immigrant F-1 student visas are also charged the non-resident tuition rate.

The Texas Education Code and EPCC Board Policies identify several groups of students who do not have to pay tuition and fees. By showing proof of eligibility, the following are exempt from tuition payment:

- Highest ranking graduates (within the past two years) of any accredited Texas high school.
- Veterans who were Texas residents at the time of entry into military service and who were honorably discharged or generally discharged under honorable conditions and are no longer eligible for VA educational benefits.
- Children of disabled Texas firemen and peace officers.
- Texas residents who are blind or deaf.
- Firemen employed in Texas who enroll in Fire Technology courses.
- Dependent children of any Texas resident on active military duty who is classified by the Department of Defense as a prisoner of war, or as missing in action
- Students concurrently enrolled for high school and college classes.

For more information, check with the Student Financial Office.

### **Senior Adult Tuition Rates**

El Paso Community College offers senior citizens, age 55 and over, a wide variety of free classes through the Senior Adult Program. Check the Senior Adult Program section of the Continuing Education Class Schedule, for dates, times and locations of available classes. Students must provide copies of driver's license, birth certificate or other documents showing proof of age to qualify. In addition, students must purchase required textbooks and supplies at their own expense. Parking policies apply to all students taking classes on the College campuses.

Senior adults age 65 and over, who register for courses outside the Senior Adult Program may get up to six credit hours of tuition waived. Check with the Student Financial Services Office for more information.

### **Fees**

El Paso Community College has the lowest fee rates among the area's colleges and universities. Some are refundable fees, which means if you should withdraw from classes within the stated guidelines, some of the fee payment, as well as some of the tuition payment, may be returned to you. Since the State of Texas and/or the College can change the fees as needed, it's a good idea to check the EPCC website epcc.edu/Admissions/Tuition for accurate tuition rates.

The following is a list of fees charged by the College:

**Add/Drop Fee** – **\$5** for each add and each drop action; non-refundable. If you change your schedule of classes after you have registered, you will be charged \$5 for each class you add and \$5 for each class you drop. If you withdraw completely from EPCC, your financial aid award will not cover this cost.

**Allied Health/Nursing Testing Fees** – Students enrolling in selected health career programs will be assessed a standardized testing fee. The amount varies depending upon the program. See the course descriptions and the Health Sciences section in the catalog for more information.

Assessment Technologies Institute Fee (ATI) – Nursing students are assessed Assessment Technology Institute (ATI) fees each semester. This fee covers the cost of ATI products that offer a wide variety of standardized learning resources used in the nursing programs. These fees are charged each semester and will vary depending on the student's schedule.

Credit for Learning by Experience Option (CLEO) Fee – \$95; per course; nonrefundable. This fee is charged to students who want to receive credit for experiential learning (CLEO) by portfolio.

**Distance Learning Online Fee** – \$55 assessed on students registered for online and hybrid courses.

Emergency Loan Processing Fee – \$10; non-refundable. If you receive this loan, you will be charged a processing fee.

Emergency Loan Late Payment Fee – \$25; non-refundable. If you are late in making a payment on your emergency loan, this fee will be assessed.

**First Day Adoption Course Textbook Fee**; The course materials adopted by the faculty for your course are electronic course materials which are accessible to you starting on the first day of class. These are at a reduced rate compared to the cost of a printed textbook. There is an opt-out clause which you can select prior to census date.

General Property Deposit Fee – \$10; refundable upon request if you graduate or withdraw. (Within four years of charge.) You will be charged this fee the first time you register for credit courses at the College. It is a deposit against loss, damage and breakage on campus. When you graduate or withdraw, you should request the refund, which will be mailed to you if you have not caused any loss, damage or breakage. If you re-enroll at EPCC after requesting a refund of this fee, you will have to pay the fee again. Any deposit fee that remains unclaimed after four years will be forfeited to the College's scholarship fund. This fee is assessed after your first registration.

General Use Fee – \$20 per credit hour; refundable according to Tuition Refund Schedule. All students pay this fee based on the number of credit hours or contact hours for which they have registered.

**Health Careers Admission Application** – \$10 one time, non-refundable. Assessed when you submit your initial application for admission to a Health Careers discipline. Financial Aid does not cover this cost.

**ID Card** – First ID is free. Replacement card costs \$5.

Individual Instruction Fee – \$35 per two credit hour course; not to exceed \$75; refundable. If you enroll in a course that typically involves one-on-one instruction time, such as art, drama, music or speech, you will pay this fee. The fee varies for each course so be sure to check the website for Tuition and Fees.

**Installment Payment Plan Processing Fee** – \$10; non-refundable. If you make arrangements to pay your tuition in installments, this fee will be added to your total installment loan.

**Installment Payment Plan Late Payment Fee** – \$25; non-refundable. You'll be charged \$25 if you are late in making your installment payments.

**International Student Admission Application Fee** – \$25 for F-1 students; non-refundable. All students who apply for admission as an international student will be charged.

**Laboratory Fee** – \$20; refundable, not applicable to open labs. Many of the credit courses offered have requirements for laboratory work. Be sure to check Tuition and Fees website to find out if you need to pay this fee.

Late Registration Fee – \$25; non-refundable. All students will be charged this fee after regular registration is over. See epcc.edu/Admissions/academic-calendar for registration times

**Open Educational Resource Fee** – \$0 - \$50; refundable. Course materials that are low/no cost open-source materials. These materials are electronically accessible.

Professional Practice Insurance Fee/Malpractice Fee – \$8.50 to \$35.50; non-refundable. The insurance fee applies to students who are enrolling in Health Careers, Social Work, Child Development or Cooperative Education courses, both credit and non-credit. The fee is subject to change, so be sure to check the website when you register. If you enroll in two or more courses in the same category, such as Nursing, you only pay the fee once per semester for all those classes. If you enroll in Nursing and Emergency Medical Services, for example, you'll need to pay two separate fees.

**Proficiency Exam Fee** – \$20; non-refundable. If you want to "test-out" of a course and choose to take an institutional proficiency exam, you will be charged \$20 per exam. These fees are subject to change and there may be additional fees for exams which cannot be administered at one of the College testing centers.

**Returned Check Fee** – Prevailing rate; non-refundable. If you write a "hot check" to El Paso Community College, you will pay the returned check fee equivalent to the rate charged

by our bank. Each student has an obligation to promptly redeem a returned unpaid check. All records will be withheld until the debt is paid. No postdated checks will be accepted by the College.

**Testing Fees** – Testing fees are normally charged before you receive a test appointment. Test fees are forfeited if you miss your test appointment.

**Spanish Placement Fee** – **\$10** Spanish Placement test online exam.

Three-Peat-Fee – \$60 per credit hour, refundable. Students repeating certain courses more than two times will be assessed this fee.

**Vehicle Registration** – **\$30** per semester; non-refundable. Any vehicle that will park on College property needs to be registered with the EPCC Police Department. A registration fee of \$40 per year should be paid during the enrollment process.

### **How to Pay Your Tuition and Fees**

Once the amount of your tuition and fees is set, there are several payment methods available to you. You may pay online or by cash, check, or money order at a Cashier's Office on any campus. The College accepts payment with VISA, American Express, MasterCard, and Discover, as well as bank debit cards. Be aware of the payment deadlines listed in the EPCC Academic Calendar (epcc.edu/Admissions/academiccalendar). If you miss that deadline, your registration will be cancelled, and you'll have to start over during open registration.

We also offer an installment payment plan during the spring and fall semesters. If you choose this option, you need to complete the process before the first day of classes.

#### **Installment Payment Plan**

- **1.** Payment plan must be done prior to the first day of class of the full 16-week semester.
- **2.** Payment of one half of tuition and fees plus a \$10 processing fee must be paid on the day the plan is processed.
- **3.** Pay one half of the remaining amount by the sixth week of classes.
- **4.** Pay final amount by the eleventh week of classes.
- 5. The Emergency Loan cannot be used with this payment ontion.
- **6.** The loan can only be used one time per semester. Any additional add-on must be paid by the student.
- 7. A \$25 fee is added on to late payments.
- **8.** A \$50 fee will be added to all plans that have any unpaid balance prior to the end of the semester.

#### Refunds

You may be eligible for a refund of tuition and eligible fees if you drop one or all of your courses.

Refunds are determined and calculated according to the Tuition Refund Schedule.

See epcc.edu/Admissions/Tuition/refunds for the Tuition Refund Schedule.

Refunds will be issued directly to the student unless tuition and fees are paid for by third-party-agencies such as, Federal Aid, grants, scholarships, GI/Veterans benefits, exemptions, awards, and state.

Federal law requires that you return a percentage of any federal grant or loan received if you drop one or all of your courses before completing at least 60% of the term. Federal financial aid students are liable for the full amount of all tuition and fees if they never attend classes or for the difference of any prorated refund.

If you qualify for a tuition refund, checks will be mailed to your address currently on file with the college within 30 days from the date the courses were dropped. Be sure the college has your current mailing address. If you are eligible for a refund and have a direct deposit account on file, please ensure your account information is current. Cancellations or changes to your direct deposit bank account information must be made in writing on a direct deposit authorization form. This form can be obtained at the Cashier Office at any EPCC campus or on the EPCC web page at epcc.edu/Admissions/Tuition Completed forms must be turned in to the EPCC Cashier's Office at any campus.

### **Financial Aid**

### **General Information**

The Financial Aid Office at El Paso Community College is available to assist qualified students in meeting the costs of attending college.

Financial Aid awards are based on calculated financial need. The amounts and types of financial assistance are provided through funds received from the federal and state governments as well as private donors who provide scholarship monies to the college. All of these funds will be awarded in keeping with existing laws and regulations governing financial aid programs that are subject to change.

Visit epcc.edu/Admissions/FinancialAid for additional information.

### **The Application Process**

March 15th is the priority date for each school year. Applications received after this date will be considered on the basis of available funds.

Information obtained through the completion of the Free Application for Federal Student Aid (FAFSA) is used to determine the student's calculated financial need and the types of awards for which the student may qualify. The financial aid award amount offered, plus the student's resources and those of the parents, if the student is dependent on parents for support, cannot exceed the student's established cost of attendance.

Once documented need is established, the Financial Aid Office will make every effort to meet this need. The financial aid awards will be packaged from a variety of sources and will be based on the student's financial need, program eligibility and available funds. In some instances, due to fund limitation, program eligibility requirements, etc., the total award may be less than the documented need.

### **Eligibility**

To receive financial assistance, you need to:

- Demonstrate financial need.
- Have a high school diploma or GED certificate, or have been home schooled. Ability to Benefit only applies to students approved and enrolled in eligible programs prior to July 1, 2012.
- Be enrolled or accepted for enrollment as a regular student working towards a degree or certificate in an eligible program. For any certificate program that does not lead to an Associate Degree at EPCC, we are required to calculate your enrollment based on a formula provided by the U.S. Department of Education. Most programs at EPCC are considered "eligible," but it is recommended that a student verify program eligibility with an academic counselor or advisor.
- Be a U.S. citizen or an eligible non-citizen.
- Have a valid Social Security number.
- Register with Selective Service, if male.
- Maintain Satisfactory Academic Progress.
- Not receive financial aid at two schools during the same semester.

Transient and Consortium Agreement students taking classes at EPCC, but earning their degree from another institution, are considered transient students for financial aid purposes. Financial aid must be awarded by the institution awarding the degree. The institution awarding the financial aid can include EPCC enrollment hours through a Consortium Agreement issued and approved by the degree granting institution.

### **Satisfactory Academic Progress**

Federal regulations mandate minimum "Satisfactory Academic Progress (SAP)" standards for students receiving financial assistance. This requirement applies to a student's entire academic history, whether financial aid was received or not, including college courses for Dual Credit taken at El Paso Community College. The standards for determining progress at El Paso Community College are

### 1. Calculated Cumulative Grade Point Average (GPA)

Students are required to maintain a 2.0 (equivalent to "C" grade) calculated GPA, which includes all developmental course work.

2. Completion Rate: Students are required to successfully complete 67% of overall hours enrolled or attempted at EPCC to remain eligible. The Financial Aid Office calculates the completion rate at the end of each academic year based on the enrollment status confirmed on the College's official census dates.

Students who repeat courses to improve their GPA should be cautioned that, in some cases, previously earned hours remain on their record but are not calculated as part of the total hours earned and, therefore, could affect a student's satisfactory academic progress.

The following are not considered credit hours successfully completed: F, W, I, NC, I\*, F\*

3. Length of Eligibility: Federal regulations require that the college set a maximum time frame in which a student is expected to finish a program. A student may receive financial aid for a certificate or degree program for no longer than 150% of the published length of the educational program. For completion, associate degree programs at EPCC require a minimum of 60 semester credit hours. Therefore, a student working toward an associate degree that requires 60 hours must complete that program within 90 attempted semester credit hours (60 hrs. x 150%).

The maximum time frame for a certificate program would be similarly calculated. A student's entire enrollment history is considered when evaluating academic progress within the established time frame, whether or not aid has ever been received. Transfer hours are also considered in the 150% limit.

Repeated courses will be counted toward all hours attempted and will affect the 150% time frame.

**4. Academic Standing:** A student on Academic Suspension, Returning Probation, or Continuing Probation does not meet satisfactory progress requirements and is therefore not eligible for financial aid.

### **Repeated Courses**

All Federal programs pay once for a class previously passed with a grade of D or better. Students should meet with a counselor to determine how repeated course(s) may impact their academic progress.

Students are not allowed to repeat previously passed courses more than once for financial aid purposes. It is advisable that credit courses(s) in which a student receives a "D" or "F" grade be repeated to improve the student's cumulative Grade Point Average (GPA) In calculating the cumulative GPA, only the higher grade will be used. An "I" will be posted on the student's transcript next to the course(s) that will be excluded from the cumulative GPA.

Students should meet with a counselor to determine how a repeated course(s) may impact their academic, prerequisite, specialized admissions or transferability of courses. It is the student's responsibility to check with the Financial Aid Office to inquire how a repeat course(s) may impact their Financial Aid or Veterans Assistance.

Developmental courses require a grade of "C" or higher to advance into the next course sequence. Developmental courses will not be used in the calculation of the student's cumulative GPA but may be used to determine financial aid status or tuition.

### Remedial/ESOL Courses

Eligible students may receive financial aid for a maximum of 30 attempted credit hours in developmental/remedial coursework. Once the 30 credit hour maximum is reached, additional remedial credit hours will not be used to calculate the award amount but will continue to count toward the overall maximum time frame.

#### **Credit Hour Limit**

There is an hour limit to complete a program of study in addition to any needed remedial coursework.

For example, if a student has completed 30 remedial hours and is in a 60-hour associate degree program, the credit hour limit is 120 attempted hours  $(60 \times 150\% = 90 + 30 = 120)$ .

### **Dual Credit**

Students participating in the Dual Credit Programs at El Paso Community College must have completed at least 67% of the courses taken with at least a 2.0 cumulative grade point average (equivalent to a "C" grade). Courses finished with a grade of F, W, I, NC, I\*, or F\* are not counted as completed.

Students who do not meet above criteria are placed on Financial Aid Suspension and are not eligible to receive financial aid.

### Financial Aid Degree Evaluation

The Degree Evaluation is available to any student who has been determined ineligible due to a change of major or has already been awarded a degree.

### **Financial Aid Suspension**

The College has the right to revoke financial aid awards to any student who does not satisfy the requirements and conditions of the program. If a student fails to meet any of the satisfactory academic progress requirements, the student will be placed on financial aid suspension.

### **Suspension Appeal**

An appeal process is available to any student who has been determined ineligible for continued aid. This appeal is available to students with mitigating circumstances that prevented them from maintaining Satisfactory Academic Progress.

Mitigating circumstances are defined as a significant life event beyond the students control. This event must have occurred during the period of enrollment before the Financial Aid Suspension. It must have been resolved, allowing the student the ability to complete coursework successfully.

The Financial Aid Suspension Appeal is initiated by the student and needs to include appropriate documentation describing in full detail the circumstances preventing them from maintaining Satisfactory Academic Progress.

The submission of the appeal does not guarantee automatic approval. Decisions are final, and the student will be notified no later than ten business days.

Consideration for re-evaluation is only granted when new supporting documentation supports mitigating circumstances. Students should be prepared to pay their registration fees in the event the appeal is not approved or approved after the payment deadline.

### **Return to Financial Aid Good Standing**

A student must enroll for a minimum of six hours in a subsequent semester, successfully complete two thirds of hours attempted and attain at least a 2.0 semester GPA. A student on Academic Suspension does not meet satisfactory progress requirements and, therefore, is not eligible for financial aid.

#### Satisfactory Academic Progress Appeal

An appeal process is available to any student who has been determined ineligible for continued aid if extenuating circumstances prevented them from maintaining satisfactory academic progress.

Students must initiate a Satisfactory Academic Progress Appeal, including a written explanation and appropriate documentation, stating the circumstances which brought about the ineligibility and steps that will be taken to correct the situation with the Financial Aid Office.

Any student anticipating the necessity of initiating an appeal should be prepared to pay his or her registration fees in the event the appeal is not approved or is approved after the payment deadline.

The Financial Aid Appeal Committee will review appeals and validate the documentation attached to determine if extenuating circumstances of the student should be taken into consideration for approval.

The Financial Aid Office will notify the student within 10 days of the receipt of the committee's decision.

Students whose eligibility for Financial Aid is approved for reinstatement by the Financial Aid Appeal Committee will be awarded effective with the academic term for which the Appeal is approved if funds are still available for that academic term or year.

Approval will be for only one semester. Approval will not impact prior terms. All costs of attendance incurred during the period of time the student was suspended are the sole responsibility of the student.

### Attending Classes without Receiving Title IV Aid

Students can regain financial aid eligibility without mitigating circumstances by meeting the following requirements. The student must enroll and complete a minimum of six credit hours in a semester, successfully complete two-thirds of all hours attempted, and attain a 2.0 calculated cumulative GPA. A student on Academic Suspension does not meet satisfactory progress requirements and, therefore, is not eligible for financial aid.

### Final Appeal (After Denial by the Financial Aid Appeal Committee)

If the student's Request for Reinstatement is denied by the Financial Aid Appeal Committee, the student may submit a Request to Appeal letter clearly stating why further consideration should be given to their request to the Financial Aid Staff at any campus. The Appeals will be reviewed by a Senior Financial Aid Administrative Staff, and this decision is final.

### **Financial Aid Programs**

### **Federal and State Grants**

Grants are a form of financial aid based on need and do not have to be repaid. Students who are in default or overpayment with any federal financial aid program are not eligible to receive any federal, state grants or federal direct loans until the default/overpayment is resolved.

#### Federal Pell Grant

This program is funded by the federal government to assist students in pursuing their first undergraduate degree. The purpose of the Federal Pell Grant is to provide eligible students with a "foundation" of financial aid to help defray the cost of post-secondary education. Eligibility is based on financial need. Students must meet EPCC's Financial Aid Satisfactory Academic Progress Criteria. The U.S. Department of Education uses a standard formula established by Congress to evaluate the financial information reported on the FAFSA to determine eligibility. The fundamental elements in this standard formula are the student and, in the case of dependent students, the parents' income and assets, the family's household size, and the number of family members attending postsecondary institutions.

Awards range from \$692 to \$6,895 annually for full time enrollment. Reduced awards may be given to students carrying less than twelve hours.

To apply for Federal Aid, you must complete the Free Application for Federal Student Aid (FAFSA) online (it is encouraged that students submit the web based version of FAFSA). To apply online go to studentaid.gov/fsfsa (step-by-step instructions are provided on this site).

All students receiving Federal Aid, grants, scholarships, awards, GI/Veterans benefits, exemptions, state, and award funds must submit a Student Direct Deposit form. epcc.edu/Admissions/FinancialAid/financial--forms

### Federal Supplemental Educational Opportunity Grant (SEOG)

This grant is funded by the federal government, and awards are given to students with exceptional financial need. SEOG funds are limited, and priority for the award is given to students who receive a Federal Pell Grant with an Expected Family Contribution (EFC) of zero. Eligibility for SEOG is determined by the data reported on the Free Application for Federal Student Aid (FAFSA). Grants range from \$100 to \$2,000 annually.

### Texas Public Education Grant (TPEG)

This grant is funded through tuition payments and is available to students who demonstrate a calculated financial need. Eligibility for TPEG is determined by the data reported on the Free Application for Federal Student Aid (FAFSA). The student must: enroll for a minimum of six credit hours and be a Texas resident. Grants range from \$100 to \$2,000 annually.

### **Texas Educational Opportunity Grant**

State grant program created in 2000 by the Texas Legislature and administered by the Texas Higher Education Coordinating Board (THECB). Eligibility for TEOG is determined by the data reported on the Free Application for

Federal Student Aid (FAFSA). The student must: enroll for a minimum of six credit hours, be in the first 30 hours, demonstrate a calculated need, be a Texas resident, have a family contribution of no more than \$6,454, and have not been convicted of a felony. The THECB determines annual amounts. For more information, please go to collegeforalltexans.com

### **Student Loans**

Unlike scholarships and grants, loans must be repaid. Educational loans have more favorable terms than consumer loans. However, you should borrow no more than necessary because they must be repaid.

### William D. Ford Direct Loan Program

The William D. Ford Direct Loan Program allows students to borrow loan funds directly from the Federal Government.

All Direct Loans are either subsidized (the government pays the interest while you're in school) or unsubsidized (the student pays all the interest). To receive a Direct Loan, students must: complete a FAFSA, enroll for a minimum of six credit hours, demonstrate a calculated need (subsidized loans), and attend a pre-loan counseling session each academic year.

#### **Private Alternative Loans**

Private Alternative Loans are available based on students' financial credit history. EPCC students must complete their FAFSA application and contact Financial Aid Office for further instructions.

### **Tuition Emergency Loans**

El Paso Community College has limited funds available for short term, interest-free loans. There is a non-refundable \$10 processing fee. For the fall and spring semesters, half of the loan proceeds are due the seventh week of the semester and the remaining half by the eleventh week of the semester. For the summer session payment is required in one total sum by the third week of each session. A valid picture I.D. is required. A \$25 fee is added on to late payments. The Installment Payment Plan cannot be used in conjunction with the Tuition Emergency Loan.

### **Student Employment**

The College Work-Study Program (CWS) can be federal, or state-funded. CWS is designed to provide employment opportunities for students who demonstrate a calculated financial need and wish to earn part of their educational expenses while attending school. CWS jobs range from clerical worker to research assistant to community service. Generally, work hours are flexible enough to accommodate students' academic schedules.

Students must: complete a FAFSA, enroll for a minimum of six credit hours, and demonstrate a calculated need. The prevailing minimum wage rate determines the rate of pay. Students working in the College Work-Study program should be aware that they are paid monthly. The first paycheck is available after the student has worked for one month. Students may work up to 15 hours per week while attending classes and up to 40 hours per week during vacation periods. For more information on

work-study, visit epcc.edu/Admissions/FinancialAid/work-study

### **Scholarships**

Scholarships are a form of financial assistance that does not require repayment or employment and are usually awarded to students who demonstrate or show potential for distinction in areas of academic performance. Several scholarships are available to qualified students attending El Paso Community College. Some scholarships have specific requirements related to the field of study, academic achievement, financial need or other criteria. For more information on scholarship opportunities at EPCC, please go to: epcc.edu/Admissions/FinancialAid/Scholarships

### **Tuition Aid Exemptions**

Exemptions are a type of financial assistance allowing some Texas residents to attend a public college or university in Texas without paying tuition or, in some cases, tuition and fees. For more information, go to: collegeforalltexans.com

### **Veteran Benefits**

The Department of Veteran Affairs (DVA) determines your eligibility for things like books, tuition, and housing. You can get an estimate of benefits by viewing the rate tables at va.gov/education

Students receiving Veteran Affairs Educational Benefits must notify the EPCC VA Office of enrollment changes. Failure to inform the EPCC VA Office of any changes may result in either reduction in pay allowance, termination of benefits, or overpayment of tuition. A debt may be established with the Department of Veteran Affairs (DVA) if the course load is reduced after certification.

All students receiving Federal Aid, grants, scholarships, awards, GI/Veterans benefits, exemptions, state, and award funds must submit a Student Direct Deposit form. epcc.edu/Admissions/FinancialAid/financial--forms

**GI Benefits**® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at www.benefits.va.gov/gibill.

Veterans, service members, members of the Selective Reserve, and dependents can apply for education benefits at va.gov/education/how-to-apply/

- Chapter 30 Montgomery GI Bill® provides 36 months of educational benefits.
- Chapter 31 Vocational Readiness to Employment for veterans with service-connected disabilities.
- Chapter 33 Post 9-11 Pays tuition and fees, housing allowance, and book stipend up to \$1,000/school year.
- Chapter 35 Survivors Dependent Educational Benefits.
- Chapter 1606 Montgomery GI Bill® ifor selective reserve.

### ArmyIgnitED

The Tuition Assistance program through GoArmyEd provides financial assistance for soldiers to realize self-development goals through education. All active duty service members are authorized to participate in the TA program. For more information, call 915-831-5511 or contact the Fort Bliss Center located at Fort Bliss 639 & 641 Taylor Road Buildings. For additional information, visit: armyignited.com

### The Military Spouse Career Advancement Account (MyCAA) Scholarship

A workforce development program that provides up to \$4,000 of tuition assistance to eligible military spouses. The scholarship helps military spouses pursue licenses, certificates, certifications or associate degrees necessary to gain employment in high demand, high growth portable career fields and occupations. Contact the EPCC Accounts Receivable Dept. at Valle Verde at 915-831-2316 or visit the MyCAA website, mycaa.militaryonesource.mil/mycaa/get-started

### **Hazlewood Act**

A State of Texas benefit that provides qualified veterans, spouses, and dependent children with an education benefit of up to 150 hours of tuition exemption.

#### A Veteran must:

- At the time of entry into active duty with the U.S. Armed Forces, designated Texas as Home of Record; or enter the service in Texas; or be a Texas resident:
- Have received an honorable discharge or separation or a general discharge under honorable conditions as indicated on the Veteran's Certificate of Release or Discharge from Active Duty (DD Form 214);
- Serve at least 181 days of active duty service (excluding training);
- Have no federal Veteran's education benefits, or have no federal Veteran's education benefits dedicated to the payment of tuition and fees only (such as Chapter 33 or 31) for term or semester enrolled that do not exceed the value of Hazlewood benefits;
- Not be in default on a student loan made or guaranteed by the State of Texas;
- Meet the GPA and undergraduate excessive hours requirements of Texas Education Code Sec. 54.2001;
- Reside in the state of Texas during the term that the exemption will be used.

### Legacy Act (Child)

Eligible veterans may assign unused hours of exemption eligibility to a child under certain conditions.

Qualifications for a child (legacy recipient):

- The legacy child must be classified by their institution as a resident of Texas for the term for which they apply for the Hazlewood Act exemption; the Veteran must also be a Texas resident during the same term of enrollment as legacy child.
- We can only certify courses required for completion of degree plan on file with the EPCC Admissions Office.
- Sponsors can only assign unused hours to only one of their children at a time.

- Be classified by the institution as a Texas resident.
- Be the biological child, stepchild, adopted child or be claimed as a dependent in the current or previous tax year.
- Be 25-years old or younger on the first day of the semester or term for which the exemption is claimed (unless granted an extension due to a qualifying illness or debilitating condition); and
- Meet the GPA and undergraduate excessive hours requirements of Texas Education Code Sec. 54.2001.

### Hazlewood Act for Spouse/Child

Spouses and dependent children of eligible Active Duty, Reserve, and Texas National Guard who died in the line of duty or as a result of injury or illness directly related to military service, are missing in action, or who became totally disabled for purposes of employability as a result of a service-related injury or illness are entitled to each receive a 150 credit hours exemption.

### Qualifications for a **spouse**:

- Be a spouse of a veteran who, at the time of entry into the U.S. Armed Forces, was classified by the institution as a Texas resident, designated Texas as Home of Record, or entered the service in Texas;
- Be a spouse of a veteran of the U.S. Armed Forces or the Texas National Guard who died as a result of service-related injuries or illness, is missing in action, or became totally disabled (100%) as a result of service-related injury or illness or is entitled to receive compensation at the 100% rate due to individual unemployability (IU) due to a service connected injury or illness;
- Have no veterans education benefits, or have no federal Veterans education benefits dedicated to the payment of tuition and fees only (such as Chapter 33 or 31) for term or semester enrolled that do not exceed the value of Hazlewood benefits;
- Be classified by the institution as a Texas resident;
- Meet the GPA and undergraduate excessive hours requirements of Texas Education Code Sec. 54.2001. This requirement does not apply to the spouse of a MIA, KIA, or service-connected deceased veteran.

### Qualifications for a child:

- Be a child of a veteran who, at the time of entry into the U.S. Armed Forces, was classified by the institution as a Texas resident, designated Texas as Home of Record, or entered the service in Texas;
- Be a child of a veteran of the U.S. Armed Forces, Texas National Guard, or Texas Air National Guard who died as a result of service-related injuries or illness, is missing in action, or became totally disabled (100%) as a result of a service-related injury or illness or is entitled to receive compensation at the 100% rate due to individual unemployability (IU) due to a service connected injury or illness;
- Have no veterans' education benefits dedicated to the payment of tuition and fees only (such as

- Chapter 33 or 31), for term or semester enrolled that do not exceed the value of Hazlewood benefits;
- Be classified by the institution as a Texas resident; and
- Meet the GPA and undergraduate excessive hours requirements of Texas Education Code Sec. 54.2001. This requirement does not apply to the child of a MIA, KIA, or service connected deceased veteran.

### Other Eligible Individuals

For the Hazlewood Act Exemption information and application go to tvc.texas.gov/education/hazlewood-act

## Grading & Academic Policies

Regulations, as listed in this Catalog and the current Registration Guide are binding to every student enrolled at El Paso Community College. Students are required to know the following academic requirements:

- El Paso Community College policies.
- Your specific degree/certificate requirements.
- Academic regulations.
- Your academic status (e.g., good standing, academic probation, etc.).
- Official deadlines are listed in the academic calendar.

With the exception of degree requirements for graduation, you are held accountable by the academic regulations in effect at the time of each registration. The EPCC website provides this information.

El Paso Community College reserves the right to cancel courses or change their mode of instruction as needed in the event of insufficient enrollment or other circumstances beyond the control of the College; therefore, it is essential for students to keep their phone numbers current and view their schedules online prior to the first day of class.

### **Attendance & Course Pursuit**

While you are a student at El Paso Community College, it is your responsibility to attend classes and complete the coursework to earn a grade. Each instructor will provide you with a course syllabus which identifies and outlines the topics, test dates, and assignments. The syllabus also includes the instructor's requirements for attendance, the grading criteria for the class, and the course objectives. It gives you the instructor's office location and phone number, as well as scheduled office hours, so you can contact the instructor if you have any questions or problems.

In determining course pursuit by the student, the instructor will consider class attendance; the failure of the student to appear for examinations, presentations, or other required class activities identified in the course syllabus; and the failure of the student to submit required papers, projects and/or reports. When on the basis of a combination of these benchmarks, the instructor determines the student has ceased to pursue the

objectives of the course they can perform a Faculty Initiated Drop.

The faculty is authorized to drop students up to the twelfth week (long-semester), who are not in pursuit of the course objectives. Instructors may issue an F or failing grade per EPCC Board Policies and College Procedures which will affect your grade point average. Low-grade point averages and "W" grades may also affect any financial aid award you have received, depending on how many weeks you have remained on the class roster.

### **Absence for Observation of Religious Holy Days**

Under Section 51.911 of the Texas Education Code, a student who is a member of a religion whose place of worship is exempt from property taxation under Section 11.20 of the Tax Code will be granted excused absences from class for the purpose of observing religious holy days. To receive an excused absence(s), you must submit a Notification of Intent to be Absent for the Observation of Religious Holy Days Form to the instructor for each missed class.

This form may be obtained from epcc.edu/Admissions/forms or at any Admissions and Registration Office. You must submit this form to the instructors no later than fifteen (15) calendar days from the beginning date of the semester in which the absence(s) will occur. If the **Notification of Intent** is submitted to the instructor after this deadline, the absence may be treated as either excused or unexcused at the discretion of the instructor.

In the instances when the **Notification of Intent** is submitted prior to the deadline, you will be permitted to complete examinations or other class work missed as a result of such absences. At the time the form is submitted, the instructor will indicate the types of assignments to be completed by you on the **Notification of Intent Form** and will establish reasonable deadlines for the completion of any work missed.

Each instructor will determine appropriate penalties to be imposed if you fail to complete the assigned class work by the established deadline. This information is to be noted on the **Notification of Intent Form** at the time the form is submitted. After signing the form, the instructor will return one copy to you and retain one copy for their files.

Where the student perceives the conditions of this procedure have not been fulfilled, you will have the right to appeal. The appeal is to be initiated, in writing, using a **Student Petition Form** with a copy of the **Notification of Intent Form** attached. The **Student Petition Form** must be submitted to the appropriate dean(s) within five (5) calendar days from the date the **Notification of Intent** is signed by the instructor.

### **Dropping from Classes**

It is the student's responsibility to officially drop any classes that they are not attending. Failure to officially drop a course may result in a failing grade on your transcript. This may affect your GPA and academic standing and may make it more difficult for you to return to school in the future, or to transfer to another college or university.

We understand that circumstances change for students, and you may need to drop a class or withdraw from the College.

After completing registration, you may withdraw through the Admissions and Registration Office from any or all classes as mandated by Texas State law and College District procedures.

- 1. Complete a student drop form at and get the required counselor signatures (epcc.edu/Admissions/forms).
- **2.** Submit the completed form to the Admissions and Registration Office. Refer to the Academic Calendar at epcc.edu/Admissions/academic-calendar or Table of Contents for the last day to drop with a "W."
- 3. If you are a Financial Aid recipient,
  - You may be required to repay all or a portion of the financial aid you received for the semester if you drop or are dropped from a class.
  - Dropping a class may affect eligibility for receiving financial aid in the following semester.
  - Dropping a class may also place you back into repayment status on any previous student loans in deferment.
  - Dropping completely from all classes before completing 60% of the semester will require you to repay a prorated portion of the federal aid that you received for the semester.
- **4.** Drop requests may be submitted to the Admissions and Registration office in person, by email, or by fax.
  - You may drop in person at the Admissions and Registration office at any campus. You may also speak live with an Admissions and Registration assistant at: go.epcc.edu/AdmissionsLive
  - Emailed drop requests must be sent from your EPCC email to admissions@epcc.edu.
  - Faxed drop requests can be sent to 915-831-2161.
     Drop requests must contain your name, EPCC ID number, the Course Reference Number (CRN), subject and course number, last date attended and your signature.

Drops will be effective as of the date the email or fax is postmarked.

Please refer to the Academic Calendar online for the drop deadlines for the main part of term (Full Term, Late Start, Minimester 1, Minimester 2). Refer to your course syllabus or instructor for drop deadlines for other part of terms. Drops processed prior to census date will not reflect on your transcripts. Drops processed after census date will reflect as a "W" on your transcripts.

Visit epcc.edu/Admissions/academic-calendar for the current academic calendar.

### **Course Corequisites**

Corequisites mean that certain courses or lecture/lab combinations of the same course must be taken together in the same semester. Information on corequisites is provided in the College Catalog and it is your responsibility to ensure that you satisfy the corequisite requirements. Failure to comply may result in being dropped without refund from the course(s) for which the corequisite was identified.

### Six Drop Rule

By state law, all students enrolling for the first time at any Texas public college or university after the Fall of 2007 will be limited to six course withdrawals (drops) during their academic career.

Drops include those initiated by students or faculty and withdrawals from courses at other Texas public institutions. This policy does not apply to courses dropped prior to census day or to complete withdrawals from the college.

Developmental, ESOL, Dual Credit and Early College High School classes are exempt from this rule. You should consult with your instructor to discuss your options prior to dropping a class. Academic tutoring is available.

### **Student Exceptions**

You may petition to drop more than the six (6) course limit, or to drop a course and not have the drop count against the 6 drop limit. These petitions will be reviewed by an academic counselor or advisor. <u>Documentation must be provided in support of any of the circumstances noted below</u>. The following circumstance will be considered:

- A severe illness or other debilitating condition that affects the student's ability to complete the course satisfactorily.
- The student's responsibility to provide the care of a sick, injured, or needy person such that providing the care affects the student's ability to complete the course satisfactorily.
- The death of a person considered to be a member of the student's family or someone who is otherwise considered to have a sufficiently close relationship to the student.
- The student's active duty service as a member of the military or of a person considered to be a member of the student's family or someone who is otherwise considered to have a sufficiently close relationship to the student.
- A change of the student's work schedule that is beyond the control of the student and that affects the student's ability to complete the course satisfactorily.
- Other good causes as determined by the College on an individual basis.

### **Administrative Withdrawal**

A designated member of the College administrative staff may withdraw a student under the following conditions:

- 1. Student has an outstanding financial obligation to the College.
- 2. Student has been placed on Academic Suspension.
- **3.** Student has not fulfilled the prerequisites needed for the course enrolled.
- **4.** Student has been placed on Disciplinary Suspension.

During any withdrawal process, you have the right to appeal the action and request **reinstatement to class** (see below).

### **Reinstatement to Classes**

Students who drop from courses are not eligible for reinstatement. For other types of drop or withdrawal actions, you may appeal for reinstatement as follows:

### **Faculty Initiated Drops**

If you were dropped in this manner, you may be reinstated only upon appeal to the appropriate instructor and by the approval of the dean. Such appeals must be initiated, in writing, within ten (10) days from the date the drop was processed by the Admissions and Registration Office. If the instructor denies reinstatement, appeals may be submitted to the appropriate dean. The decision of the dean is final.

### **Administrative Initiated Drops**

If you were withdrawn or dropped by administrative action, you may appeal for reinstatement to the administrator initiating the action. Such appeals must be initiated in writing within ten (10) days from the date the withdrawal/drop authorization was processed by the Admissions and Registration Office, except as follows:

- Students may not be administratively reinstated to courses for which final exams have begun.
- Students may not be administratively reinstated to courses dropped before the census date.

### **Student Classification/Status**

Academic Classification					
Freshman	Successfully completed 30 credit hours or fewer.				
Sophomore	Successfully completed 31 or more credit hours.				
Student Status					
Full-Time	Enrolled in 12 or more credit hours in a semester.				
Part-Time	Enrolled in fewer than 12 credit hours in a semester.				
Non-Credit	Enrolled in courses/programs for which no semester credit hours are awarded.				

#### **Grading System**

Semester Credit-Hour Courses Grade Structure

$\mathbf{A} = Excellent$	4 grade points
$\mathbf{B}$ = Above Average	3 grade points
C = Average	2 grade points
$\mathbf{D}$ = Below Average	1 grade point
$\mathbf{F} = \mathbf{Failing}$	0 grade points
I = Incomplete	0 grade points

The following grades are not computed in your grade point average (GPA).

W = Approved Withdrawal

**CR** = Credit

NC = No Credit

AU = Approved Audit

**A\*** = Credit (Grade entered for a developmental course)

**B\*** = Credit (Grade entered for a developmental course)

**C\*** = Credit (Grade entered for a developmental course)

**D**\* = Credit (Grade entered for a developmental course)

**F\*** = No Credit (Grade entered for a developmental course)

E\* = Repeated course that is excluded from the Cumulative GPA

When you enroll in college credit courses, you will earn a letter grade in each class based on the quality of the work you do

Developmental courses issued the letter grades A\*, B\*, C\*, D\*, or F\* are not used to calculate your grade point average but are used to determine academic standing and Financial Aid eligibility.

It is important for students to maintain at least a "C" average in their credit classes. A grade of "D" may allow you to receive credit for having completed the class, but you may not fulfill necessary prerequisites. Many colleges and universities will not accept a "D" in transfer, and you will need to retake the class.

Calculate your Grade Point Average						
Course	Grade	<b>Grade Points</b>	Credit Hours			
ENGL 1301	В	(3)	3	3x3 = 9		
HIST 1301	C	(2)	3	2x3 = 6		
MATH 1324	В	(3)	3	3x3 = 9		
BIOL 2401	D	(1)	<u>4</u> 13	$1x4 = \frac{4}{28}$		

Multiply the number of grade points for each grade by the number of credit hours for the course. Add the totals. Divide the total number of grade points by the total number of credit hours completed (including "I" grades). In the example above, you would divide 28 by 13 to get a grade point average of 2.153. You can also use the GPA calculator feature in the Degree Works Audit tool to estimate your GPA.

It is important to calculate your grade point average because as a student, you are responsible for knowing when it affects your academic status.

Remember that a 2.0 grade point average keeps you in "good standing" academically and for financial aid eligibility.

Grades are released through the web at the end of each full term. If you were enrolled in a minimester or different part of term, your grades will not be posted and GPA and academic standing will not be calculated until the end of the full term.

**NOTE**: Some developmental courses may require a grade of "C\*" or higher to advance into the next course sequence.

Developmental courses will not be used in the calculation of the student's cumulative GPA but may be used to determine financial aid status and/or tuition.

Credit courses can be repeated for a higher grade. It is advisable that credit course(s) in which you receive a "D" or "F" grade be repeated to improve your cumulative grade point average and academic standing. Only the higher grade will be used in calculating the cumulative GPA. An "I" will be posted on your transcript next to the course(s) that will be included in the cumulative GPA, and an "E" will be posted next to the course(s) that will be excluded from the cumulative GPA.

You should meet with a counselor to determine how a repeat course(s) may impact your academic standing, prerequisite fulfillment, eligibility for specialized admissions, or the transferability of courses. It is your responsibility to check with the Financial Aid Office to inquire how a repeat course(s) may impact your eligibility for financial aid or veterans' assistance.

#### **Incomplete Grades**

If circumstances beyond your control make it impossible for you to complete all of the requirements for a course, you and the instructor may agree to a grade of "I." To be eligible for an incomplete grade you must be passing the course. The instructor will determine what work must be completed; you have four months from the end of the term to complete the assignments. Once assignments are complete, a change of grade form must be submitted to the Registrar's office. If you do not complete the assignments agreed upon within the four months, you grade will be converted to the alternate grade submitted by your instructor.

The "I" will then be converted on your transcript to the letter grade assigned. Until that time, the "I" is calculated as if the final grade were an "F."

### **Auditing a Class**

To audit a class means to attend and participate in the class, but without taking any tests, receiving grades or earning credit for the course. If you wish to enroll for a course on an audit basis, you must:

- 1. Complete the admissions process, including proof of residency.
- **2.** Complete a Student Petition Form to request the course on an audit basis and have it signed by the appropriate Dean.
- **3.** Bring the signed Petition to the Admissions and Registration Office before the course census date.
- **4.** Pay tuition and fees and other applicable fees for enrollment in the course.

If you audit a class, you may not later receive credit for the course unless you re-enroll in the course as a regular student in a later term and retake the course. The audit course will not be reflected on your transcript.

### **Change from Audit to Regular Status**

If you initially enrolled on an audit basis, you may subsequently change your status before the census date. To initiate this action, you'll need to submit a completed **Student Petition Form** to the appropriate dean(s). The dean(s) will

review the current level of enrollment in the course and, where space is available, may approve the student request.

Once you obtain approval in writing, you must submit the documents to the Admissions and Registration Office before the class's official census date. When such requests are approved, the Admissions and Registration Office will modify the student's enrollment status to indicate enrollment for credit.

### **Change from Regular to Audit Status**

If you initially enrolled to receive credit for a course, you may subsequently change the status to audit by petitioning to the appropriate dean before official census date. The dean will review the student's request and issue approvals in those cases deemed appropriate.

Where such approvals are granted, the dean will forward the approved petition to the Admissions and Registration Office. The Admissions and Registration Office will then modify the student's enrollment status to indicate the audit status.

#### Scholastic Standards (Academic Standing)

There are three levels of academic standing used to define scholastic standards on the EPCC transcript: Good Standing, Academic Probation, and Academic Suspension.

Students' academic standings are calculated at the end of each full-term (Fall, Spring, and Summer). All enrolled coursework in a term is considered in determining the academic standing for that term, even if the grades for courses are not calculated into the grade point average (see Grading System in this section of the catalog). When enrollment during the term includes a combination of courses with grades calculated into the numerical GPA and courses using either a CR/NC or \*grades, if at least 50% of the semester credit hours taken that term count in the calculation of a numerical GPA, then the numerical GPA will be used to establish the academic standing for that term.

The following are the definitions for the Academic Standings which are indicated on EPCC transcripts:

- **A.** No Standing: A student has no academic standing during the first term of enrollment at EPCC. The initial academic standing for scholastics standards will be determined upon completion of the first term. "No Standing" will appear on transcripts produced before completion of the first term. "No Standing" is not a scholastic standard.
- **B.** Good Standing: Students who maintain at least a minimum term grade point average of 2.0 (CR or C\*) and a minimum cumulative grade point average of 2.0 (CR, C\*) will be considered in "Good Standing."
- C. Academic Probation: Students will be placed on "Academic Probation" when the term GPA and/or cumulative GPA is less than 2.0 (or less than CR, C\*). Students on Academic Probation may return to Good Standing only if during their next enrolled term both their term and cumulative GPA's are a minimum of 2.0 (CR, C\*).
- **D.** Academic Suspension: Students on Academic Probation who do not maintain a minimum term GPA and cumulative GPA of 2.0 (CR, C\*) will be placed on "Academic Suspension."

Students on Academic Suspension may return to Good Standing only when both the term and cumulative GPA's are a minimum of 2.0 (CR, C\*).

Following the college's procedures on Scholastic Standards and Academic Progress, EGA-7, any student placed on academic suspension may not be eligible to enroll for one semester. The student will remain on academic suspension until a minimum of 2.0 term and cumulative GPA are met. A student may apply to re-enroll under the following conditions:

A student must submit a Petition for Reinstatement and receive approval from an academic counselor.

- An academic suspension hold will be placed on the student and can only be removed by an academic counselor.
- The student will only be eligible to re-enroll for 6-8 credit hours.
- The student will be required to meet certain conditions as recommended by the academic counselor, such as repeating a course, tutoring, Students Success Workshops, or other college services.
- Students on academic suspension currently enrolled will not be allowed to register for the upcoming semester until a counselor reviews their academic progress report(s) from the professor(s) submitted by the student or by email.
- To register, the student will submit the Petition for Academic Suspension to the Admissions and Registration Office for processing. If there is no petition on file for the future term once the end-ofterm process is completed, the student will be administratively dropped from their courses.
- Without exception, a student placed on a second successive suspension will not be allowed to enroll for two full terms.
- Without exception, a student placed on a third successive suspension will not be allowed to enroll for one calendar year.
- Without exception, all students on suspension are subject to these conditions.
- The same conditions for academic progress apply to developmental courses.

Students on academic suspension who earn grades of "C" or higher, but whose cumulative GPA remains below a 2.0, may petition for re-enrollment.

#### **Academic Honors**

Full-time students (12 or more graded semester credit hours) in good standing and who earn a 4.0 GPA for the semester are added to the President's Honor List. For the Dean's Honor List, you must have a 3.25 semester GPA. For part-time students, you must maintain a 3.0 semester GPA, complete at least 12 graded semester credit hours and have a cumulative GPA of 4.0 on the President's Honor List and a 3.25 for the Dean's Honor List. These honors are posted on your transcript.

### **Graduation/Commencement**

Commencement ceremonies are exceptional occasions at El Paso Community College where graduates are recognized and celebrated for their achievement. The ceremonies are conducted at the end of each Spring and Fall semester to honor students who have completed their degree plan requirements. Students can keep track of their graduation progress by running a Degree Works Degree Audit through the EPCC Web Banner.

Under no circumstances may a student who is not scheduled to have completed their graduation requirements by the end of the term in question participate in commencement ceremonies. In compliance with College Policies and Procedures, a student must have a cumulative grade point average (GPA) of at least 2.0; the average of courses within the degree plan must also be a minimum of 2.0, and the student cannot be on academic suspension during the semester of graduation.

Potential graduates are not required to submit an application for graduation. Approximately four weeks after the semester has begun the Admissions and Registration Office will audit all enrolled student records then notify those candidates who are eligible to graduate and invite them to the commencement ceremony. The notification of eligibility to graduate will be sent to the students' official EPCC email account. Students can keep track of their graduation progress by running a Degree Works Degree Audit through the EPCC Web Banner.

Graduates will receive their EPCC commemorative diploma covers during the graduation ceremony, but their actual diplomas will be mailed to them within a few weeks of the semester's end. Summer graduates will be invited to attend and "walk" during the following December commencement ceremony to celebrate their achievement.

Graduates are expected to RSVP their attendance to the ceremony. The wearing of caps and gowns is required during the graduation ceremony. Caps and gowns are available for purchase from the College Bookstore. Additional information concerning graduation ceremonies is available epcc.edu/Academics/Commencement.

### Transfer of Credit to Other Colleges & Universities

For many students, El Paso Community College is the first step to completing a bachelor's degree. If you want to transfer your college credits to another college or university, you should consider the following:

- 1. Declare a major that transfers, AA or AS, as soon as possible so you can take courses directly related to your degree plan.
- 2. Contact the college or university to which you plan to transfer and find out the requirements for a bachelor's degree and the policies on transfer of credit. For example, some schools will not accept transfer credit for a course in which you earned a "D," and you will have to retake the course. Some do not accept institutional challenge exams. Many do not receive courses you may have taken in the occupational/technical areas (e.g., AAS or Certificates).
- **3.** Find out the admissions requirements. Some colleges and universities require a 2.0 GPA or higher to be admitted.
- **4.** Request your official EPCC transcripts from the Admissions and Registration Office to be sent directly to the other college or university.

El Paso Community College works closely with staff from different universities to make as many courses and programs transferable as possible. For the latest information on transfer contact the Career and Transfer Services Department.

### **Requests for Official Transcripts**

All requests must be made by the student will not be released to a third party without written authorization from you. Requests by telephone will not be honored. The College will generally issue transcripts within forty-eight (48) hours of the request being received. However, transcripts being sent to campus sites (Transmountain, Rio Grande, Northwest, Mission del Paso, or Ft. Bliss) for pickup by the student may require up to four working days for processing and return to that campus.

### **Request for Enrollment Verification**

El Paso Community College has authorized the National Student Clearinghouse to provide degree and enrollment verification to include loan deferments. National Student Clearinghouse may be contacted at: Customer Service: 703-742-4200 or studentclearinghouse.org

In a documented emergency, enrollment verifications and deferments for previous semesters may be issued within two working days for a request received at the Admissions and Registration Office. Enrollment verifications or deferments for previous semesters will not be processed during late and add/drop registration, final exams or during processing of grades.

### **Services for Students**

#### **Academic Computing Services**

Academic Computing Services (ACS) has computer labs located at each campus where all EPCC students can register, work on assignments and projects, access the Internet, email, take online courses, check out laptops, and access all MyEPCC online services.

All students using ACS must have a valid student I.D. Students will log in to the computers using EPCC student login ID and password. To view all ACS locations and hours visit epcc.edu/Services/ACS

### **Athletics**

The Department of Intercollegiate Athletics offers opportunities for the student-athlete to participate in Intercollegiate Athletics.

EPCC is a member of the Western Junior College Athletic Conference (WJCAC) and competes at the Division I level in Region V of the National Junior College Athletic Association (NJCAA). Men are offered these sports: Baseball, Cross Country, and Half Marathon. Sports offered for women are Fast-Pitch Softball, Cross Country, and Half Marathon. Scholarships are available for students who participate in Intercollegiate Athletics based on the Head Coach's discretion. For more information on our athletic programs visit epcc.edu/Services/Athletics

### **NJCAA Eligibility Criteria**

In order to participate in intercollegiate athletics, the student athlete must be a full-time student and meet the academic requirements of NJCAA as follows:

- 1. Maintain enrollment in twelve or more credit hours of college work.
- **2.** Before the second full-time semester and subsequent semesters, a student must have passed twelve semester hours times the number of full-time semesters with a 2.25 GPA or higher.
- 3. Other eligibility criteria may be required.

### **Bookstore**

The EPCC Bookstore is managed by Barnes & Noble College under contract with El Paso Community College, playing a direct role in supporting EPCC's strategic objectives, enhancing recruitment, retention and academic success. With locations at all campuses, it is the one-stop-shop for textbooks (new/used/rentals/digital), spirit gear, supplies, convenience and more. For more information, visit us at epcc.bncollege.com or contact us at:

### **Campus Life**

Students have the opportunity to participate in an active campus life through a variety of group activities and programs. Activities include programs of cultural, social, and educational awareness, the opportunity to meet new friends, work together in groups, offer service to the college and the community, and enjoying social and recreational activities, all of which are benefits to the college student's experience. For further information, please visit us at epcc.edu/Services/CampusLife

### Campus Life Provides:

- Student ID cards and validations.
- A variety of programs that increase cultural awareness.
- Activities that educate students on local, state, and national government opportunities for students to demonstrate their skills in a variety of ways.
- Activities simply for enjoyment.
- Opportunities for community involvement.

### Additional Activities Include:

- EPCC's Got Talent
- Halloween Costume Contest
- Final Prep
- Cultural Celebrations
- Health Fairs

### **Student Unions**

The Student Unions at Valle Verde and Transmountain Campuses provide an environment for relaxation and social interaction with opportunities for education and exchange of thought and service for El Paso Community College students, staff, and faculty. The Student Union provides an opportunity for clubs, organizations, gaming activities and students to meet in its leadership room. For more information visit epcc.edu/Services/CampusLife/student-government-association

### **Tejano Food Pantry**

Founded in 2017, the El Paso Community College Tejano Food Pantry (EPCCTFP) offers support and assistance to EPCC students who are dealing with food insecurity. Food insecurity refers to having limited food available, including a reduction in the quality, safety or variety of food or ability to acquire food. Researchers have suggested that food insecurity is an issue that an estimated half of all college students struggle with. The EPCCTFP recognizes that food insecurity is an obstacle to student success and think it's crucial that students' basic needs are being met. We know students can struggle academically when they're worried about their next meal or bill. That's why we're here to help. The Tejano Food Pantry is open to all currently enrolled EPCC students that present a valid EPCC student ID card and fill out an information sheet.

For further information, please visit us at epcc.edu/Services/CampusLife/student-government-association.

### **Veterans Resource Center**

The Kharisma James Veterans Resource Center (VRC) at El Paso Community College (EPCC) is your designated starting point if you wish to pursue a college degree. EPCC offers the lowest out of pocket tuition cost.

The VRC operates as a "one stop shop" and serves the military-affiliated and through collaborative efforts, ensures student success by achieving academic, social and professional development from admissions to graduation. Their dedicated staff (many of whom are veterans and students) are here to serve as liaisons between veterans and the college itself.

### Services Offered:

- Application assistance for GI Bill® Hazlewood Act and EPCC.
- Veteran related EPCC and community resource information.
- Computers with internet access.
- Telephone for local calls, fax machines, printers.
- Microwave and refrigerator.
- Quiet room.
- Laptop and book lending program.
- Free coffee, water and snacks
- Lunch socials.
- Veterans New Student Orientations
- Veterans Day Activities

The VRC operates a Veterans Lounge located at the Transmountain campus that is available exclusively for student Veterans. Veterans can go there to engage in leisure or study in a quiet, safe, and accepting environment.

For more information visit epcc.edu/Services/Military-Veterans/veterans-resource-center

### **Career and Transfer Services**

The Career and Transfer Services Department promotes career options and career management awareness. Career and Transfer Services values and serves the needs of a diverse community seeking career-related information. We are committed to providing exceptional service in a welcoming, respectful environment.

Career and Transfer Services assists students in the areas of career self-assessment, career exploration, job search/placement, transfer services, and cooperative education. We provide career resources for our students such as:

- Explore and plan career and educational goals;
- Learn the skills necessary to become successful when seeking employment opportunities;
- Develop the confidence to pursue their career aspirations;
- Explore and choose academic majors and career options;
- Obtain career-related experience;
- Explore options to continue their higher education.

The Career and Transfer Services Department collaborates with employers through interactive and educational partnerships, connecting them to our high-quality student candidates from various academic fields. We work with faculty members to tap into resources and provide classroom presentations, special projects, and/or schedule industry guest speakers.

Career and Transfer Services can assist in the following areas:

- Career Exploration and Planning.
- Scholarship Information.
- Job Search.
- Career Services Workshops/Presentations.
- Transfer Services research and resources for students seeking to continue their studies at a fouryear college/university.
- Cooperative Education Program.

We provide our services in all campuses district-wide; for more information visit us at epcc.edu/Services/careerservices

### **Center for Students with Disabilities**

El Paso Community College recognizes that people with disabilities wish to pursue the full range of educational opportunities. (Optimum accessibility to all programs is provided through the center). If you are a person with a disability, you may request accommodations through the Center for Students with Disabilities at each campus.

Support services provided may include academic counseling, registration assistant, test taking assistance, reading, scribe, sign language interpreting, tutoring, and adaptive technology. Documentation of disability will be required. All information is kept confidential. To view all locations and hours visit, epcc.edu/Services/csd.

Project HIGHER (PH) is an innovative program that assists individuals with intellectual and developmental disabilities (ages 18-25) to complete a level-one certificate (15 to 42 semester credit-hours) after completing a level-one certificate (i.e., 14 to 42 SCH) at EPCC and find employment in their area of study. It is a unique supported educational model based upon supported employment models. An educational coach works one-on-one with the student in a post-secondary training setting and gradually reduces the time spent with the student as they become better adjusted and more independent.

All PH participants must be consumers of the Texas Workforce Solutions Vocational Rehabilitation Service (VRS). Interested students must complete an application, interview and be selected to participate. The application process begins in March.

### **College Readiness Consortium**

The College Readiness Consortium is a partnership with the University of Texas at El Paso, all 12 school districts in Region 19, and El Paso Community College. This partnership identifies ways to increase the number of students coming to higher education prepared to enter college-level courses. For more information, contact 915-831-2816.

### **Counseling Services**

El Paso Community College counselors assist students with academic advising, goal setting, career exploration, program selection, vocational/academic choices, specialized health/specialized program admissions requirements and transfer advising. Services also provided by counselors include degree planning, transfer information, testing requirements, student petitions, academic progress, retention, graduations, registration, and assistance for students with institutional conflicts and other student-related matters.

Counselors also participate in the development of New Student Orientations to inform new students about the college, programs, and services provided. Additionally, counselors teach classes and conduct workshops and seminars to assist students with academic success, self-development, and adjustment to college life, life skills, testing, and other topics of interest or concern to students.

Counselors also refer students to appropriate community agencies and provide "outreach" assistance to local agencies and schools by conducting presentations about EPCC services and programs.

Every student is encouraged to meet with a counselor/advisor each semester to review academic progress and graduation requirements. A student's enrollment is based on academic standing determined each semester by semester and cumulative grade point average. Students who have not met state requirements for the Texas Success Initiative Assessment (TSIA) or TSIA2 are required to be advised by a counselor/advisor each semester until exiting the required remediation.

For more information visit epcc.edu/Services/Counseling

### First-Year Experience-Early Alert

First-Year Experience-Early Alert (FYE-EA) is a student success department supporting First-Time-In-College students through academic advising, peer academic coach support and faculty referrals. FYE-EA emphasizes and promotes academic excellence by identifying and addressing potentially negative behavioral and academic patterns, such as periodic absences and earning low grades that prevent students from having a positive and successful college experience. Students receive alerts from faculty and advisors when potential problems are observed. Faculty work with FYE-EA advisors and peer academic coaches to intervene early before these patterns become lifestyle habits. FYE-EA provides a safety net for students making the transition to

college through an integrated system of communication, support, and intervention that will establish a solid foundation for students to utilize throughout their college experience.

For more information, contact visit epcc.edu/Services/first-year-experience

### **Fort Bliss Programs**

Credit and non-credit programs are offered at Fort Bliss for the civilian and military population. Special programs are available to service members and their family members through the Air Defense School and the Army Education Center.

Students attending EPCC at the Fort Bliss Center can enroll in their coursework online and on site during the regular registration periods.

For more information, please contact the EPCC Fort Bliss Center at 915-831-5511/5512.

### **Honors Program**

Students looking for an "academic challenge" should consider the Honors Program. The Honors Program provides an avenue for challenging academic opportunities and is open to all students enrolled in college-level academic or technical/vocational credit courses. To qualify for the Honors Program, the student must meet one of the following criteria:

- Current EPCC students must have a minimum cumulative grade point average (GPA) of 3.25.
- Transfer students applying to the Honors Program should have a cumulative GPA of 3.25 from another accredited institution.
- New students are admitted based on SAT or ACT scores
- New students who have graduated in the top 15% of their high school class.
- New students who have submitted a high school transcript verifying the completion of a recommended advanced high school curriculum.

Interested students must apply for acceptance into the Honors Program purposes. Once accepted into the Honors Program, the students who want to receive Honors credit for each course(s) must contact an instructor(s) to establish the objectives the student must meet to be awarded the Honors credit.

Students receive a designation of "H" on their transcript next to the course(s) in which Honors credit was awarded. Students in the program completing a minimum of 15 Honors credits in three different subject areas can graduate with the academic distinction of "with College Honors" on their diploma.

Benefits of the Honors Program include designing individualized projects with your instructor(s), honors credit designation on your transcript, recognition at the annual Honors Program Convocation, transfer of honors credit to the University of Texas at El Paso (UTEP), and enhanced opportunities for advanced study and scholarships.

For more information, please visit epcc.edu/Services/Honors

### **Intramural Sports**

El Paso Community College Intramural Sports Program provides an opportunity for EPCC students, faculty, and staff to participate in a variety of sports and physical activities. The main goal of the program is to meet the needs and abilities of all participants to facilitate a total educational experience. Students have the opportunity for recreation as an outlet from academic endeavors.

Activities include:

- Co-Ed Indoor Soccer
- Volleyball
- Basketball
- Weightlifting and Fitness Competition
- Turkey Trot
- Wilderness Hikes
- Competition between faculty vs. students

For more information visit

epcc.edu/Services/CampusLife/intramural-sports

### **International Student Services**

Students from over 30 countries study at El Paso Community College. In order to meet the diverse needs of these F-1 students, the Office of International Student Services provides specialized counseling, orientation, academic advising, liaison with sponsoring agencies, and transfer services to four-year institutions.

### **Leadership EPCC**

Leadership EPCC provides opportunities for students to develop leadership skills and encourages them to become leaders on their campuses, in their communities, and in the workforce. Participants will explore, discover, and enhance the leader within. The program accepts 30 applicants per class and provides opportunities to strengthen resumes, scholarships, personal and professional benefits, networking opportunities, and the posting of continuing education units (CEU's) on the student transcript. For additional information, please visit epcc.edu/Services/CampusLife

### Libraries

The EPCC libraries provide research materials and instruction for the College's academic programs. Librarians are available to assist faculty and students with their research assignments and other reference questions. Libraries are located at the five campuses.

Services include:

- 1. Library Instruction Classes
  - Virtual
- 2. Reference Services
  - Virtual
- 3. Online Library Catalog
  - Books
  - DVD's
  - Electronic Books
- 4. Print Periodicals
  - Magazines
  - Journals

- Newspapers
- Online Databases
  - Magazines
  - Journals
  - Newspapers
  - Videos
- 6. Internet
  - Access
  - Internet-searching instruction
- 7. Equipment
  - Copiers
  - Printers
  - Scanners
  - Microfilm readers-printers
  - Audio and video players
  - Adaptive equipment
- 8. Resource Sharing (Interlibrary Loan)
- 9. Other campus-based services

Or visit epcc.edu/Services/Libraries for more information.

### Phi Theta Kappa

Phi Theta Kappa International Honor Society is the oldest and most prestigious two-year college honor society.

Membership provides a multitude of benefits and honors. Membership requirements include a 3.5 cumulative grade point average, enrolled for 12 credit hours, which count toward an associate degree. A completed membership application and payment of membership fees as required. Benefits of membership include gold embossed membership certificate, Golden Key lapel pin, transfer scholarship opportunities, qualification for the All USA Academic Team and special graduation recognition.

Check with an academic counselor at epcc.edu/Services/Counseling for more information

### **Recruitment Services**

Recruitment Services facilitates enrollment and serves the global community by promoting EPCC programs through presentations, workshops, and fairs in the following areas:

- Admission Application Workshops
- High School Faculty and Administrator Workshops
- Campus Tours
- College and Education Fairs
- Information Booths & Table Setups

Services are offered to high schools students, the community and local government organizations and agencies. The nontraditional students served include military, prison and probation populations to include outreach into New Mexico. For more information and to customize your service requests, please call 915-831-3373.

### Service Learning Program

Service Learning Program (SLP) at El Paso Community College encourages civic responsibility among students through community service. We provide resources and support for students and faculty who are currently using or would like to integrate service learning into their course and for community agencies who are interested in partnering with El Paso Community College.

The program facilitates placement and documents academic credit for service work in the community. Interested students contact their instructor to verify if they are engaged with SLP and ask to participate in the program. All students must do a Service Learning Program orientation session online at the beginning of each semester. Form due dates are online. After attending the orientation session, the student and faculty member agree on a minimum of 20 hours of specific volunteer work in a non-profit community service agency that students will perform in exchange for academic credit in the course. Academic credit is at the discretion of the course instructor. If the student completes the designated assignment, they will receive credit for the course. Once 20+ hours of service are completed, students will participate in the Service Learning Program Reflection Session about their experience and gain recognition by El Paso Community College through a Certificate of Recognition. Student hours are documented on

Through Service Learning, students can apply newly-acquired academic skills and knowledge to address real-life needs in their communities and reflect on the meaning of this service. For more information, please check the EPCC Service Learning website at epcc.edu/services/SLP

### Tejano Ambassador Program

The Tejano Ambassador program is a two-semester program that allows students to assist EPCC with recruitment, retention, and public relations. Tejano Ambassadors reach out to both prospective and current students, making them aware of the programs and services on campus. Their mission is to assist with EPCC events and day-to-day activities. They represent EPCC at community events that promote the growth and expansion of the college. As distinguished official student delegates, they instill spirit, pride, and the overall mission of EPCC by educating the college community and encouraging participation in campus activities. Benefits to participating are an enhanced resume, leadership skill development, and six hours of tuition waivers. For additional information, please visit epcc.edu/Services/CampusLife/student-ambassadors

### **Student Government Association**

The Student Government Association (SGA) is a vital force in the lives of all EPCC members and community. It strives to instill a feeling of collective work and responsibility to reiterate that achievement of common objectives depends on a cohesive attitude among students. The College encourages students to appreciate the privileges of and to assume the responsibilities of self-government. The SGA is the official student governing body and voice of students at EPCC. The EPCC association has won state and national awards for its governance participation and involvement in national issues.

Responsibilities of SGA include:

- A student relief fund.
- Recognition of student clubs.
- Serving on College committees.
- Funding of student clubs and campus organizations like Leadership EPCC.

- Financially Aid Campus Life and Intramural Sports programs.
- Presentation of student needs and concerns to the College administration.

For additional information, please visit epcc.edu/Services/CampusLife/student-government-association

### **Student Technology Services (STS)**

Student Technology Services is the student employment arm of the Instructional area of El Paso Community College. STS is overlooked by a full-time manager but on a daily basis it is managed by students in a program that empowers decision making, budget management, and customer service. The program hires and trains students in the real work environment for future reference related to their major. Students are placed throughout the college district to support various departments and events. Business and industry partnerships in the El Paso area employ our students also. Some of these prestigious partnerships include the El Paso Sheriff's Department, Juvenile Probation Department, Sun City Security, DISMAS Charities, Inc., El Paso Independent School District (EPISD), USO on Ft. Bliss, and Texas Tech Public Media Department. STS is open to all academic majors, international students, and degree plans. Requirements for this program include a 3.0 cumulative GPA and enrolled in a total of six (6) credit hour courses during the Fall and Spring Semesters.

When applying include the following:

- Resume
- Letter of Interest
- Current transcript
- Detailed schedule

If hired, it is the student's responsibility to turn in the correct paperwork before the deadline. To continue the status of STS a student must complete twenty (20) community service hours through the Service Learning Department.

The STS Lab is located in the Administrative Service Center (ASC), A Building, Room 601. For additional information, please contact us at 915-831-6406 or visit epcc.edu/services/STS

### **Guiding Paths to Success**

Guiding Paths to Success (GPS) provides student engagement workshops. The program is designed to offer topics on key skills and awareness of college and community resources (i.e., time management, study skills, identifying college resources like tutoring) and other academic support. GPS helps students successfully stay on the path to higher education by gaining skills that are essential for a successful college student.

Contact the Office of Student Success for more information 915-831-3377

# **Tutorial Support Services**

Students may avail themselves of a variety of tutoring opportunities as listed below.

### **Testing Services**

Testing Services provides a range of services to support new and enrolled students. Testing services are located throughout EPCC campuses, and a professional, helpful, and courteous staff are available to assist you.

Our services include:

- College placement tests (District-wide)
- Make-up/re-tests (District-wide)
- Pearson Vue exams (ASC B-156)
- Proficiency exams (District-wide)
- Proctor tests from other colleges (VV only)
- HSE tests (ASC B156 only)
- CLEP and DSST tests (VV C212 only)

For detailed information, visit our web page: epcc.edu/Services/TestingServices

### **Test Preparation Services**

Pretesting Retesting Educational Program (PREP) program offers free help in Texas Success Initiative (TSI) placement test preparation. PREP offers 2-3 day TSI Boot Camps that are interactive and engaging and proven to be quite successful for students who want to place college ready. Students looking for flexibility or additional preparation can inquire about our online resources for TSI Assessment 2.0 (TSIA2) preparation. To enroll or learn more about our TSI Boot Camps, visit our web page: epcc.edu/services/PREP:

### **Student Support Services Program**

The U.S. Department of Education TRIO Project funds the Student Support Services Program (S.S.S.P.).

The S.S.S.P program provides support services for first-generation, low-income students and for individuals with disabilities to help them remain in college, make progress toward academic objectives, graduate with an associate degree, and transfer to a four-year institution. S.S.S.P. provides face-to-face and online tutoring in all English, Reading, Math, ESOL and credit level courses.

Study skills development workshops in time management, textbook skills, note-taking, test-taking, and math anxiety are provided, as well as academic and personal advising, peer advising, career planning, financial aid assistance, financial literacy, and transfer advisement. For additional information, please visit: epcc.edu/services/SSSP

### **PREP Program**

The PREP Program assists students currently enrolled and those planning to enter college for the first time by helping them prepare for their college placement tests. Students meet with an advisor to develop a plan to improve their math, reading, and writing skills. Free diagnostics testing is available to help students and our team of advisors better

identify specific content areas that need reinforcing for placement preparation. PREP also assists ranking students in the health careers programs interested in retesting to improve their placement scores.

PREP also offers TSI Boot Camps, intense subject refreshers to prepare before retesting, and offers access to online supplemental resources and diagnostics testing, call or come by the PREP office at any EPCC campus. Visit our website at epcc.edu/services/PREP

### The Pasos Program

The Pasos Program brings together motivated educators and a community that view our location, population, and stories as assets to student success. Pasos is dedicated to advancing our US/Mexico border community through family engagement, equity in the classroom, inclusion, and social justice. We will increase civic engagement through educational, creative projects, service learning, and community activism.

- Embracing Cariño Cariño in the classroom is a half-day interactive faculty training that takes place each semester. It features Pasos faculty and community guest speakers addressing various aspects of culturally relevant teaching modes. The topics often focus on active student engagement, creating a supportive classroom, and connecting what students are learning to relevant community issues
- Thrive Thrive provides students with monthly success workshops during the Fall and Spring semesters. Thrive workshops target themes that impact students outside of the classroom and provide students with skills for college, career, and life
- Pasos Journal In this publication the wonderful work of our students is showcased. Through their words, art and photos we catch a glimpse into the talent that is our community's pride.

For more information visit epcc.edu/Services/pasos

### **Retention Action Program (R.A.P.)**

R.A.P provides services which help students complete an Associate of Applied Sciences or a Certificate of Completion in the Career & Technical Education fields of study.

R.A.P. has six primary functions:

- Tutor (one-to-one or group) in the content area.
- Introduce and encourage students to utilize the Learning-to-Learn Method of inquiry to promote student success.
- Computer-assisted instruction and hands-on, cooperative learning.
- Group learning.
- Oral development.
- And workshops to encourage and support student academic achievement.

For additional information, please visit our website at epcc.edu/services/RAP

### **Tutoring Services**

Tutoring is a free valuable instructional service provided by trained tutors from EPCC Tutoring Centers. Students are encouraged to seek tutoring services for various subjects early in the semester and attend sessions regularly. Through tutoring, students are able to reap the benefits of achieving higher test scores, earning better grades, and developing effective study skills to continue their success throughout their college years towards graduation. All campuses provide services to cater to the various academic needs of the students. Students can receive face-to-face academic assistance one-toone or in small groups. Through our Homegrown Online tutoring services for EPCC students via Blackboard Collaborate Ultra, students are also able to receive free online tutoring during the day, evening and weekend by the same friendly and trained tutors in our District-wide Tutoring Centers. For more information on districtwide Tutoring and Academic Support, call one of the Tutoring Centers for additional information or visit epcc.edu/Services/Tutoring

# Workforce and Continuing Education

El Paso Community College Continuing Education provides a wide range of non-credit workforce education and community service courses, seminars, conferences, and workshops. The five campuses of the College, the Administrative Service Center 'B' Building, and a variety of locations throughout the county hold these activities to meet the lifelong learning needs of the community.

Many Continuing Education courses award Continuing Education Units (CEUs). One CEU is officially defined as 10 contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction, and qualified instruction. The CEU should not be interpreted as a substitute for college credit. Its primary purpose is to provide a record of the educational accomplishments of an individual who has completed one or more non-credit educational experiences. Request transcripts of earned CEUs from the Admissions and Registration Office.

Registration for Continuing Education courses/services is a continuous process and may be accomplished either in person or by mail. In both cases, students must complete a CE registration application. Students registering in person are encouraged to register at any of our five campuses, Fort Bliss, or the Administrative Service Center, 'B' Building, at least one week before the first class day. <u>Payment is required at the time of registration</u>.

Students registering by mail should submit the mail-in registration form found in the Continuing Education Schedule, along with payment in full of all obligations, at least two weeks before the first class meeting to allow time for processing. A receipt will be mailed to the student upon completion of the mail-in registration process.

The Continuing Education Schedule contains information regarding the tuition, fees, and refunds for CE courses. Enrollment in Continuing Education courses is on a first-

come, first-served basis, and sections close when maximum enrollment levels are reached. Additionally, the College reserves the right to cancel classes in the event of insufficient enrollment or other circumstances beyond the College's control.

Because of the nature of instruction, age limitations may be imposed on selected courses. Also, enrollment in certain classes may be limited to individuals with specific prior training and/or skills. Some language programs may require placement testing to determine a student's English level before enrollment. Please visit the Workforce and Continuing Education website for more information epcc.edu/Academics/ContinuingEducation

### **Advanced Technology Center**

The El Paso Community College Advanced Technology Center (ATC), located at the Valle Verde Campus provides training in Career Technical Education programs. Flexible schedules are offered during the day and in the evenings to accommodate students and industry needs. ATC programs include, Computer Aided Design (CAD), Diesel Mechanics Technology, Electrical Technology, Energy Efficiency & Renewable Energy, Heating, Ventilation & Air Conditioning (HVAC), Industrial Manufacturing Option, Industrial Maintenance Option, Robotics & Automation, and Welding Technology.

Some of the programs include advanced technology courses such as EDM Wire, Programmable Logic Controllers (PLC), Plastic Injection Molding, Pipe Welding, Electronic Systems, Weatherization, Photovoltaic Energy Auditor and LEED. Additionally, embedded into several degree plans are national certifications such as, OSHA 10 for Construction in HVAC and Welding programs. HVAC faculty encourage students to test for EPA and 410A certifications. The welding program offers the American Welding Society (AWS) Level 1 Sense Certification. Electrical Technology has the OSHA 30 embedded into the program. The Renewable Energy program offers testing for the NABCEP certification.

Quality education helps enhance a variety of opportunities to compete in regional and global job markets. A skilled workforce will support the specialized labor demands of industries across the nation and facilitate their expansion into the local and regional economies of the El Paso Borderplex region.

### Language Institute

The Language Institute, housed at the Valle Verde campus, offers the Intensive English Program, the Conversation ESL Program, and the Conversation Spanish program. All classes are full immersion; only the targeted language is spoken. For more information visit our website at, epcc.edu/Academics/LanguageInstitute

### **Intensive English Program (IEP)**

The mission of the Intensive English Program is to successfully prepare students and professionals to acquire English proficiency to meet their personal, academic, and career goals. We are committed to offering classes in a dynamic, multicultural and effective environment with the most innovative supportive resources imparted by highly qualified and competent faculty members.

The intermediate levels of IEP utilize terminology applicable to technical and business writing to develop proofreading and editing skills relevant to job-related contexts required for further advancement in the labor force. The emphasis is on enhancing effective written and oral communication skills for business applications in the workforce.

### **Intensive English Program-Fast Track**

The program has six levels that can be completed within a year. Each level includes three courses: Reading/Writing, Listening/Speaking, and Grammar. Classes meet Monday to Friday from 8:00 am to 2:30 pm for seven weeks; 200 hours of instruction per-level.

<u>Intensive English Program</u> has twelve levels. Classes are offered during the day or Saturdays; 100 hours of instruction in Reading/Writing, Listening/Speaking, and Grammar.

Conversation ESL Program is a 50-hour Conversation ESL course of study designed to advance the oral English skills of students in the workplace. Conversation ESL classes aim at improving pronunciation and the use of idiomatic expressions with emphasis on communication and formal presentations. There are six levels, and each level is approximately 4 months. The classes are on Saturdays from 9:00 am to 1:00 pm. 50 Hours/5.0 CEUs.

### **Spanish Classes**

The 48-hour Spanish courses are offered in two levels: beginning and intermediate. Both levels of Spanish classes emphasize instruction on job-related technical vocabulary and fluency in general business applications. These classes are usually offered on Saturdays from 9:00 am to 1:00 p.m. 48 Hours/4.8 CEUs.

### **Business/Computers/Technical Education**

This area provides opportunities for the employed worker to update or upgrade existing skills or to acquire new skills leading to certification in many areas of study. Technical Education and Professional courses include the following areas of study: Computer Business Applications, Computer Skills, CISCO Academy, Business Management/Technical Education, Real Estate, Professional Floral Design Certificate, and Online Courses.

<u>Preparation for Texas Landscape Irrigation Exam</u> This course prepares the student for the Texas Landscape Irrigation License Exam.

<u>Real Estate</u> Our courses enable students to obtain their real estate license. Students can complete their real estate courses within one year.

<u>Customs Brokers</u> Our courses prepare students for careers in international trade and assist them to pass the customs brokers' exam.

<u>Computer Business Applications</u> The focus of these computer courses is on business productivity software applications and professional behavior in computing, including spreadsheets, databases, presentations graphics, and business-orientated utilization of the Internet. Computer courses provide refresher training for on-the-go professionals.

<u>Online Courses- New Career Training Programs</u> Our New Career Training Program online courses focus on the mastery

knowledge of business, computer skills, and computer applications to acquire Certifications that reinforce workplace competencies necessary to be successful in business and in life

### Children's College

The Children's College is designed to offer a broad spectrum of courses to encourage children and young adults to develop and apply critical and creative thinking skills to areas of study in which they have an interest. The objective of this program is to provide children and young adults the opportunity to take classes in a college environment and to increase their awareness of the importance of a college education. Children's College offers courses for children and young adults between the ages of 5-17 years to help improve their academic skills and explore a personal interest. The Children's College program offers courses throughout the year and annual events, including Spring Arts Festival and Summer Camps.

### Academic Enrichment/STEM

Academic courses include Math, Reading, Spanish, Lego Mindstorms, Video Game Maker and Graphic Design. These courses help students to improve their academic and social skills.

### Arts

These courses are for children and young adults who are interested in the performing arts which include Pre-Ballet, Ballet I, and Hip-Hop Dance. The Arts include courses that are instrument-related such as guitar and piano. Art instruction helps students with the development of motor skills, language skills, decision-making, and imagination.

### **Sports and Fitness**

Sports and Fitness courses are for children and young adults who want to learn Gymnastics, Tennis, Golf, and Martial Arts. These courses will not only help improve their skills but will build their self-esteem.

### **Community Education Program**

The Community Education Program (CEP) operates a variety of programs across El Paso County, ranging from basic adult literacy, family literacy, and vocational literacy to services for deaf, public housing residents, and welfare recipients.

CEP serves educationally disadvantaged adults with limited reading skills in their primary language. Participants typically develop literacy skills while studying pre-vocational topics, health, home ownership, community and survival topics. Free classes, including supplemental computer-assisted instruction, are offered at sites throughout the city and county of El Paso. CEP also provides the STEP project for transitional instruction and assistance to educationally disadvantaged adults who wish to enter mainstream college courses.

Additional projects include specialized instruction for deaf/hearing impaired adults and their families through Literacy Education Action for the Deaf (LEAD) and instruction for isolated colonias residents, public housing residents, and Enterprise community residents.

### **Driver Training**

Motorcycle Rider courses are designed to train the student in the safe handling and operation of motorcycles. The course prepares the student to satisfy the state requirements for a motorcycle license in Texas. Our courses include Basic and Advanced 2-wheeled motorcycle training and basic 3-wheeled motorcycle training.

### **Massage Therapy**

This 525-hour program prepares students to sit for a national exam to become licensed in the State of Texas. Courses include Massage Therapy Fundamentals I, Anatomy and Physiology, Health and Hygiene, Hydrotherapy, Business Practices and Professional Ethics, Massage Therapy Fundamentals II, Kinesiology, Pathology, and an Internship. Also, courses are offered to assist massage therapists in maintaining their licensure and developing advanced skills.

### **Nail Technology**

A 624-hour program that prepares students for the State Licensing Written and Practical Exams. Nail Technology includes instruction in professional development, bacteriology, sanitation and disinfection, nail structure, diseases and disorders, natural nails, artificial nails, pedicures, business principles, product knowledge, and other selected topics.

### Law Enforcement Training Academy

The El Paso County Community College District is an approved training site for Law Enforcement, Correctional Officer, Security and Special Officers, and Motorcycle Rider Training Courses.

The Law Enforcement Training Academy (LETA) is licensed by the Texas Commission on Law Enforcement (TCOLE) and is authorized to conduct pre-service and in-service training programs and courses. The Texas Peace Officer Course is divided into five training phases. The entire Program is 768 classroom (contact) hours and exceeds the state minimum requirement. Successful completion of this program will enable the student to sit for the State Licensing Examination required for all Texas Peace Officers.

Law Enforcement In-Service Training Classes cover the training requirements and specialized training classes as determined by local agency and community needs. The Academy facility contains an indoor, state-of-the-art shooting range. The Academy also utilizes the Advanced Interactive-shooting System (AIS) that challenges students with decision-making scenarios in deadly force situations.

The Security and Special Officers Course is licensed by the Texas Department of Public Safety, Private Security Bureau. The Academy offers Level II, III and IV Classes, which certifies unarmed, armed and bodyguards respectively. The Academy is also licensed as a Continuing Education School for Owners, Private Investigators, Locksmiths and Alarm Installers.

The Academy is open to the public for civilian shooters and offers basic, intermediate and advanced firearms safety classes as well as License to Carry Certification Classes for Texas residents.

The Academy also provides Motorcycle Rider Training Courses through the Motorcycle Safety Foundation (MSF) along with 3-Wheel Motorcycles, sponsored by Can-AM/BRP.

### **Health Studies**

Continuing Education for Health offers entry-level health courses which lead directly to the job market such as:

<u>Nursing Home Activity Director</u> provides the basic knowledge used by activity professionals to provide and promote quality of life for residents in long-term care settings. Courses are offered to help current health professionals upgrade present skills or develop new skills.

CPR, ACLS, PALS, and First Aid courses are several of the courses offered to meet certification and CEU requirements for health professionals.

<u>Nursing Assistant</u> prepares students for State certification. Presents the concepts and skills required to provide basic patient care in a healthcare facility or a person's home.

<u>Re-Entry Nursing</u> offered for RNs and LVNs who need to update skills before returning to work. The theory portion of the course is online. Students must demonstrate clinical skills before completing an 80-hour preceptored clinical.

<u>Health Unit Coordinator</u> performs clerical, reception, communication, and coordination tasks for the nursing unit.

<u>Phlebotomy Technician</u> presents principles and procedures, both theoretical and practical, associated with the collection of clinical blood specimens.

Medication Aide approved by the Texas Health and Human Services Commission (THHSC). Course prepares certified nurse aides to administer routine medications to individuals in a Skilled Nursing Facility, MHMR facility, correctional institution, or personal care facility.

### **Personal Enrichment**

Explore new interests, develop skills, and further your passion with one of our Personal Enrichment course offerings listed

### Home and Garden

Interested in arts, crafts, and hobbies? There is a wide range of courses from which to choose. Courses include Floral Arts, Interior Design 101, Sewing, Dog Behavior, and Home Gardening. Sewing classes start with the very basic to the advanced courses such as serging or pattern alterations, quilting and crochet.

### Creative Arts

Interested in photography? You can learn the basics of camera operation, to the professional level. Art classes include Watercolors, Drawing, Painting with Acrylics, and Painting in Oil.

### Dance and Music

Enjoy music in your life either through dancing or playing a musical instrument. Dance and music courses include Ballroom, Country Western, Latin, Guitar, Piano, and Voice. Guitar and Piano courses start with the very basic and continue with the advanced.

### Culinary Arts

Take your love of cooking and baking to the next level. There is a wide selection of courses to select from. Courses include Mexican Cuisine, Healthy Cooking, Vegetarian & Vegan Delights, Cooking with Various Cuisines, Grilling and Barbecuing, Beginner's Cake Decorating, Baking from Scratch, Beginning to Advanced French and Italian Classical Cuisine. Want to learn to pair food with wine? Well we also offer Wine Appreciation course. If you are seeking learning to mix your own drinks, we also offer Mixology/Basic Bartending course.

### Online Enrichment

Accessible, affordable courses through the web are available in conjunction with ed2go: Beginning Conversational French, Grammar Refresher, GED Preparation, GRE Preparations Part 1 & 2. Introduction to Interior Design, SAT/ACT Preparation Part 1 & 2. Secrets of Better Photography, and Speed Spanish. In addition, also available are A to Z Grant Writing, Distribution and Logistics, Effective Business Writing, Fundamentals of Supervision and Management, How to Get Started in Game Development, Introduction to Microsoft (Access, Excel, Word) 2019, Project Management Fundamentals, and Real Estate Investing. Young Adult Courses are available for ages 17 and up, such as Creating Web Pages, Photoshop Elements for the Digital Photographer, and Resume Writing Workshop, etc.

### **Center for College Access and Development**

The Center for College Access and Development is the place where students become college ready by addressing their academic and personal challenges. We seek to develop or strengthen foundational skills that facilitate transition, persistence and completion of postsecondary education.

Courses include Intensive College readiness for students to acquire the foundational academic skills in math, reading and writing (TSI Academy); ESL Bridge for second language learners considering enrolling at the college; GED to College preparation classes to acquire the high school equivalency certificate, and customized services offered by a variety of funding sources including government grants, community-based organizations and corporate sponsorships.

For more information call visit our website at epcc.edu/Academics/ContinuingEducation

### **Contract Opportunities Center (COC)**

The COC, a Procurement Technical Assistance Center (PTAC), operated under a cooperative agreement with the Department of Defense, is the primary local provider of technical assistance in the area of government procurement. The mission of the COC is to promote business development by providing bidding/contracting opportunities and technical support throughout the County of El Paso. The Center assists businesses' efforts in expansion and job creation through active pursuit of the federal government, state, county, city, educational, and commercial contracting opportunities.

The COC accomplishes its mission by providing services and support functions which include outreach, confidential one-on-one counseling, marketing, bid-matching, technical reference, electronic commerce/data interchange, conferences, and workshops that provide information and

education about facets of government procurement and electronic commerce.

Counseling and technical assistance are provided free of charge. Seminars and workshops will occasionally require a nominal registration fee. For assistance, please visit us at our website at elpasococ.org

### Workforce Strategic Initiatives (WSI)

The Workforce Strategic Initiatives (WSI) Department of El Paso Community College (EPCC) helps companies build a world-class workforce to remain competitive in a global economy. WSI strengthens community partnerships and promotes economic development by working with area businesses to develop programs for industry-related training. The training upgrades skills and can prepare employees for industry-recognized certifications.

WSI seeks out, applies for, and manages state and federal grant funding to access public funds to offset the cost of training. Texas Workforce Commission grants include Apprenticeship, Skills Development Fund, Skills for Small Business, Skills for Transition Program, and Self-Sufficiency Fund. Additional funding may be available from other public and private sources. For more information visit epcc.edu/Academics/ContinuingEducation/WorkforceStrate gicInitiatives

### **Small Business Development Center (SBDC)**

The El Paso SBDC, a partnership program with the U.S. Small Business Administration (SBA), is the largest management and technical assistance program for small businesses in the United States.

The mission of the El Paso SBDC is to foster small business success. The mission is accomplished by providing one-on-one business advising, technical assistance, training forums, advocacy, and research services. The SBDC coordinates with the SBA and other community resource partners to help small business owners and aspiring entrepreneurs with their projects and explore possible solutions to their business problems.

Business advising services are always provided at no-cost to our clients. Information and training seminars are offered throughout the year to help small business owners enhance their knowledge and skills in business management, operations, and specialized areas.

Besides specialized workshops, the SBDC offers the 48-hour Small Business Management Institute. Participants learn how to start and operate a small business, how to create an effective business plan, marketing, financing, human resource management, payroll and taxation, franchising, legal aspects of operating a business, and other topics. The course provides practical information needed to be a more successful business owner. The SBDC also conducts a 48-hour QuickBooks for Small Business series. Students that successfully complete the course should be able to set-up an in-house bookkeeping system.

Online business education training is also available 24/7 at our website. The El Paso SBDC operates as a field center office of the Southwest Texas Border SBDC Network of the University of Texas at San Antonio (UTSA) and is hosted by El Paso Community College under a cooperative agreement.

Because of the diversity of the network, the El Paso SBDC is also able to offer assistance in minority certification, international trade and access to global markets, and invention, patenting, and product commercialization. Program funding is provided by the SBA through UTSA and El Paso Community College. For assistance, please contact us visit us on our website at elpasosbdc.net

### Senior Adult Program

With our growing older population, programs and activities for seniors are in great demand. Our vision is to change the perception of aging by providing lifelong learning opportunities and inspiring seniors to adopt a vibrant lifestyle. The Senior Adult Program offers specialized courses and events for individuals who are 55 years of age and over.

The curriculum includes non-credit classes in music, art, exercise, dance, nutrition and wellness, computers, creative writing, and language development. These courses are held at city/county senior centers, elderly housing, retirement communities, recreation centers, and college sites.

Check the Senior Adult Program section of the Continuing Education Class Schedule for dates, times, and locations of the non-tuition classes, tuition seminars and workshops. To qualify for these classes, students must provide proof of age with a driver's license, birth certificate, or other official document showing date of birth. If students are required to purchase textbooks and supplies, it will be at their own expense.

Seniors may qualify for a parking pass if enrolled in no more than 60 hours per semester. Parking policies apply to all El Paso Community College students and campuses. Senior adults who register for courses outside of the Senior Adult Program must pay all tuition and fees that apply to the course.

Other program activities include social, cultural, recreational events, and a weekly television show called "Mature Living." Seniors in the community enjoy attending the annual Seniors' Love Conference, Christmas Navidad on the Border Celebration, EPCC Arts Festival Exhibition, Grandparents Day Celebration, and Music Concerts held throughout the year in collaboration with, and support from, our community partners.

Our mission is to promote community partnerships and provide educational and social opportunities for our multicultural senior population.

# Center for Corporate and Workforce Training

The mission of the Center for Corporate and Workforce Training (CCWT) is to train participants for employment by providing quality educational programs which promote selfsufficiency and meet employers' needs.

The CCWT provides services to veterans, military spouses, and the community at large to include unemployed and

underemployed individuals. Participants learn the skills that will lead to productive employment and job advancement.

For more information visit us at

epcc.edu/Academics/ContinuingEducation/CorporateAndWorkforceTraining

### **Auto Collision Repair**

The program will prepare the student with the basic technical knowledge and skills for the auto collision and repair industry. You'll receive hands-on training from instructors credited by (I-CAR). The courses offered by the program are:

- Vehicle and Structural Analysis
- Auto Body Repair and Painting
- Collision Repair Estimating
- Basic Metal Repair
- Basic Refinishing

You may also earn your ProLevel 1 Platinum credential from the Inter-Industry Conference on Auto Collision Repair (I-CAR).

### **Building Trades Academy**

The Building Trades Academy is an industry-driven academy for students interested and ready to work in the building trade and construction fields. Electrical and construction trade programs provide in-depth practical information and integrated hands-on training using the industry. Students are provided the opportunity to build skills, select a career, and be job-ready. Certifications are available upon completion of the program. Below are courses available through the academy:

- Electrical Technology (Concurrent with Credit)
- Construction Cost Estimating
- Introduction to Home Electrical
- Welding Art

### **Institute for Customer Service Excellence-Southwest Region**

The institute will provide the participants the opportunity to test for the NRF Foundation RISEUP Certifications. These certifications will provide the students with skills required for the Retail Industry. Below are the different certifications the NRF Foundation RISEUP provides:

- Retail Industry Fundamentals
- Customer Service & Sales
- Business of Retail: Operations & Profit

The institute can also customize customer service workshops tailored to meet business and industry needs. The following courses are provided by the institute:

- Introduction to Customer Service
- Corporate Communication
- Enhancing Your Customer Service Skills

For more information on the certifications or courses please contact us at 915-831-7824.

### **Corporate and Workforce Training**

Maintaining a talented and productive workforce in a growing local economy requires a commitment to employee development. The CCWT develops and delivers up-to-date

and convenient innovative and accessible programs to meet the vocational and professional development needs of individuals and businesses in the El Paso region. CCWT can customize curriculum that can be delivered on-or off-site to your employees, with flexible schedules.

### Workplace Competencies

The spectrum of core business skills required to function effectively within any twenty-first-century work environment. CCWT has organized course work around these core requirements and creates a custom curriculum to ensure that your workforce is prepared with the ever-evolving skill-sets required by these important industries in the El Paso region.

### Personal Effectiveness

The impact of a single employee has on efficiency of the total workforce can be difficult to measure. However, you can ensure that productivity is positively impacted by increasing the personal effectiveness of each member of your workplace team through a series of customized courses specifically designed to shape employee performance.

### **Technical Skills**

The curriculum is designed to incorporate the development of industry-wide core skills as well as industry sector specific competencies. CCWT is helping meet new corporate challenges for the various industries in our region by designing customized training programs. Continuing Education courses are developed based on local market needs.

### JER Online

CCWT has partnered with JER online which provides 100% online self-paced and instructor-led certificate courses. All courses are easy to use and highly interactive. For more information and to see an extensive list of offerings, visit epcc.coursecatalog.com.

# Student Rights and Responsibilities and Code of Conduct

### **Student Rights**

### I. Generally

All students of the El Paso Community College are entitled to enjoy the basic rights of citizenship which are recognized and protected by the laws of this country and state. Each student is obligated to respect the rights of others. Such environment will enhance the educational purpose for which the College exists and the educational programs designed to achieve that purpose.

### II. Equal Education Opportunity

No student or prospective student of the College shall be discriminated against because of race, color, national origin, religion, gender, age, disability, veteran status, sexual orientation, or gender identity. Students who feel aggrieved on the basis of race, gender, color, national origin, disability, creed, or age, disability, veteran status, sexual orientation, or

gender identity, may file a written grievance with the Vice President of Student and Enrollment Services.

### III. Academic Related Grievances

Academic-related grievances should be submitted in writing beginning with the faculty member and then to the Instructional Dean/Director. Appeals may then be directed to the Vice-President of Instruction and Workforce Education.

### IV. Student Grade Appeals

The responsibility for determining all grades and for judging the quality of academic performance in a course rests with the instructor assigned to the course. A grade can be formally appealed only when there is demonstrable evidence that discriminatory, arbitrary, or capricious action on the part of the instructor has influenced the grade. Failing grade received due to unsafe practice in a nursing or health career program may not be appealed. Students who wish to appeal an unsafe practice decision must appeal to the Dean of Nursing or the Dean of Health Careers, Math & Science, who have authority to determine the final decision.

The burden of proof that such an unfair influence has affected a grade rests with the student who appeals the grade. Only final course grades may be formally appealed to the appropriate Instructional Dean/Director.

The processing of formal grade appeals is the responsibility of the Instructional Dean/Director who administers the course. The decision on a grade appeal is the responsibility of the Vice-President of Instruction & Workforce Education that is responsible for the course: Vice-President of Instruction and Workforce Education (hereafter referred to as "Vice President").

Student Grade Appeal Process - To appropriately address the grade appeal, the following process will be followed,

Step 1. A student who believes that the grade received is incorrect should first discuss the grade with his/her instructor. The instructor and student should make every effort to resolve the issue.

Step 2. The student who is not satisfied with the outcome of the discussions with the instructor may contact the Instructional Dean/Director who is responsible for the course. This contact, like the discussion with the instructor, is informal. The Instructional Dean/Director may take what action is deemed necessary to resolve the issue at this level.

Step 3. If the student is not satisfied with the decision rendered by the Instructional Dean/Director, he/she may make a formal grade appeal to the office of the Vice President of the division administering the course. This appeal must be filed with the office of the Vice President using the Grade Appeal Petition Form. The student has 45 days from the end of the semester, term, or quarter, in which the action occurred, to present his/her appeal. The appeal must include supporting information. After the appeal is filed, a copy will be sent to the student, the instructor, and the Instructional Dean/Director.

Step 4. The Vice President will request written information about the case from the instructor involved and will present the grade appeal and this information to the campus Grade Appeals Committee, the student, the instructor, and the Instructional Dean.

Step 5. The Grade Appeals Committee will examine the evidence and conduct the necessary hearings and meetings to make a recommendation in the case. It is not necessary for the parties to appear unless requested by the Grade Appeals Committee. Parties have the right to appear if they wish to do so.

Step 6. The Grade Appeals Committee will give the Vice President a written recommendation as follows:

- Whether or not the grade should be changed. If so, what should the final grade be.
- Make other recommendations that it deems advisable in the disposition of each specific case.
- c. Committee members who voted in favor of the Committee's decision must sign recommendation. The dissenting members may also sign and state the reason for their dissenting vote.

Step 7. Taking into account the recommendation(s) of the Grade Appeals Committee, the Vice President will make a final decision on the grade appeal and send it in writing to the student, the instructor, the Instructional Dean/Director, and the College President. If the decision is that the grade should be changed, the Vice President will take action to revise the student's record and notify the instructor.

Step 8. Either the student or the instructor may appeal the Vice President's decision to the President. The President's review shall be limited to whether the review procedures described herein were properly observed.

Step 9. A District Grade Appeals Committee consisting of a voting faculty chairperson, two other faculty members, and two voting students will be appointed by the Vice President to consider all grade appeals occurring during the academic year.

- a. Any member of the committee who believes that the professional or personal relationship with either party in a grade dispute would create a hindrance to objective judgment, or a conflict of interest must be disqualified and a replacement for that party will be chosen by the Vice President.
- b. The Vice President or a designee may attend meetings of the appeals committee. The Vice President may request presentation of evidence but must not be present during the committee's deliberation on its final recommendation.
- V. Student Program and Student Activity-Related Grievances

Student-related grievances should be submitted in writing to the Vice President of Student & Enrollment Services. Appeals may be directed to the Vice President of Student and Enrollment Services for final disposition.

VI. Appeals of Non-Academic Student Grievances

Non-Academic Student Grievance Process - To resolve issues and actions of a non-academic nature, the following process will be followed.

- Step 1. The student will seek resolution of the action by contacting the supervisor of the department that initiated the action. Initial contact may be verbal or written. The supervisor has ten (10) working days from the date of initial contact to respond to the student's request/inquiry. If resolution is not reached, the student has ten (10) working days in which to appeal and proceed to the next step.
- Step 2. The student will submit in writing to the administrator (Instructional Dean/Director) in charge of the division/department that initiated the action in question. The administrator has ten (10) working days from receipt of the request/inquiry in which to respond. If resolution is not reached, the student has ten (10) working days in which to proceed to the next step.
- Step 3. The student's request/inquiry with comments and back-up documentation from the appropriate administrator, as outlined in Step 2, will be forwarded to the appropriate administrator's direct supervisor (Associate Vice President or Vice President). The administrator has ten (10) working days from receipt of the petition in which to respond. If resolution is not reached, the student has ten (10) working days in which to proceed as follows:
  - a. If the administrator's direct supervisor is an Associate Vice President, proceed to Step 4.
  - If the administrator's direct supervisor is a Vice President, proceed to the President.
- Step 4. The Student's request/inquiry with comments and back-up documentation from the Associate Vice President will be forwarded to the Vice President. The Vice President will respond within (10) working days from receipt of the request/inquiry.
- Step 5. The student may appeal the Vice President's decision to the President.

### VII. Intellectual Property Rights

Students shall retain their intellectual property rights on projects produced as a result of their individual initiative with incidental use of College facilities and resources. If the student is working on a project initiated and funded by El Paso Community College, ownership resides with the College.

### Student Responsibilities

### I. General Statement

In all aspects of student life, the student body collectively and individually has the responsibility of participation as citizens of the academic community in a mature fashion. Students must not confuse liberty with license. In voluntarily enrolling at the College, students have the responsibility to comply with all state and college regulations governing student conduct and academic affairs. Students assume responsibility for their behavior and acknowledge and share the following responsibilities.

### II. Conditions of Enrollment

- 1. All students are responsible for showing respect and for accepting the authority of the faculty and District officials.
- 2. All students are required to report any change in their legal address and/or legal name at the beginning of each enrollment period to the Admissions and Registration Office.
- 3. All students are responsible for knowing and obeying all College policies and regulations, this applies to students attending classes or participating in educational activities on District Property and at all College-sponsored events on or off campus to include but not limited to clinical sites, distance learning activities, and College sponsored trips.
- 4. All students are responsible for the consequences of their behavior.
- 5. All students will be held responsible for all fees, textbooks, fines or other financial obligations which they have incurred. Failure to comply may result in termination of enrollment and/or a hold being placed against future registration and the release of grades, diploma, and transcripts.
- 6. Students must assume responsibility for their own personal safety and the security of their personal belongings by taking simple, common-sense precautions.
- 7. Students are responsible for reviewing, understanding, and abiding by the Colleges regulations, procedures, requirements, and deadlines as described in official publications, including the College catalog/schedule, EPCC websites, and official College e-mail communications.
- 8. Students must understand that while education is a shared activity, the ultimate responsibility for learning rests with the students' motivation and abilities.
- 9. Students are responsible, collectively and individually, for allowing other students to continue their pursuit of education. Students must refrain from interfering with the rights of other student in their educational pursuit or with employees in the exercise of their duties.
- 10. When approaching the administration about any matter, students must go through established channel of communication and authority.

### III. Retained Rights and Responsibilities

The enumeration of the above rights and responsibilities shall in no way be interpreted as being all-inclusive and denying the existence of other rights and responsibilities which a student holds as a student or citizen.

# Student Code of Conduct as stated in College Procedure FLB-1

- I. Appropriate Student Behavior
- 1. All students shall demonstrate academic integrity, observe standards of conduct appropriate for the College's function as an educational institution, obey the law, comply with EPCC policies and procedures, follow class rules, and comply with directives issued by an administrative official in the course of his or her authorized duties.
- 2. Acts That Constitute Misconduct: The following behaviors are examples of actions or activities that violate the El Paso

Community College Student Code of Conduct with respect to Acts of Misconduct. This list is not meant to be all inclusive, but rather to serve as an aid in determining appropriate behavior. Examples of Acts of Misconduct include, but are not limited to, the following:

### II. Academic Dishonesty

Academic dishonesty shall constitute a violation of rules and regulations and is punishable as prescribed by Board Policies. Academic dishonesty shall include but is not limited to: cheating on a test, plagiarism, making false statements and collusion.

- 1. Students may not cheat: Cheating is defined as: Students not adhering to the guidelines provided by their instructors for completing academic work. Students may not claim as their own work any portion of academic work that was completed by another student. Students may only use materials approved by their instructor when completing an assignment or exam. Students may not present the same work for more than one course without obtaining approval from the instructor of each course. Students must adhere to all course regulations. Violations of this standard constitute cheating.
- 2. Students may not plagiarize: Plagiarism is defined as: All ideas, arguments, and phrases, submitted without attribution to other sources, must be the creative product of the student. Thus, all text passages taken from the works of other authors (published or unpublished) must be properly cited. The same applies to paraphrased text, opinions, data, examples, illustrations, and all other creative work. Violations of this standard constitute plagiarism.
- 3. Students may not fabricate: Fabrication is defined as: All experimental data, observations, interviews, statistical surveys, and other information collected and reported as part of academic work must be authentic. Any alteration, e.g., the removal of statistical outliers, must be clearly documented. Data must not be falsified in any way. Violations of this standard constitute fabrication.
- 4. Collusion is prohibited: Collusion is defined as: Students providing, seeking or accepting information about any academic work to or from another student without the authorization of the instructor. Students may only collaborate on academic work within the limits prescribed by their instructors. Violations of this standard constitute collusion.

### III. Offenses Against Persons

- 1. Violations of the penal statutes of the State of Texas or of the United States occurring on District property or in connection with District-sponsored activities constitute violations of the District's rules and regulations when, such violations interfere with the educational process and goals of the District.
- 2. Possession or use of firearms on District-controlled property except as stated in College Procedure CHF-1.
- 3. Threatening or causing physical harm or abuse to one's self or another person. Physical abuse includes, but is not limited to, personal injury, physical restraint against a person's will, and holding or transporting an individual against the individual's will.

- 4. Verbal Abuse in the form of "fighting words," abusive messages either written, verbal or by email, or words directed at an individual, which tend to incite an immediate breach of peace.
- 5. Harassing conduct of any kind including acts based on race, color, national origin, religion, gender, age, disability, veteran status, sexual orientation, or gender identity.
- 6. Stalking, that is, the repeated following or harassing of another person accompanied by the making of a credible threat with the intent to place that person in reasonable fear of death or serious injury.
- 7. Possessing or using weapons, ammunition, explosives, flammable substances, or other dangerous devices. "Weapons" means any object or substance designed or used to inflict a wound, cause injury, or incapacitate, including, but not limited to, all firearms, pellet guns, air pistols, air rifles, any dirk, bowie knife, switchblade knife, ballistic knife, or any other knife having a blade of three or more inches, blackjacks, metal knuckles, nunchaku, fireworks, explosives and biological agents. Replicas and facsimiles of weapons are also considered weapons and are therefore prohibited. The use of implements or substances not commonly used as a weapon or not expressly prohibited by this section may be a violation of this code if used as a weapon. The use of mace or tear gas will not be a violation of this code if used solely for self-defense.
- 8. Bullying, that is, severe or repeated use by one or more individuals of written, verbal or electronic communication, or a physical act or gesture or exclusion directed at an another individual. Bullying may cause physical or emotional harm, may create a hostile environment, and may infringe on a person's rights, and/or may disrupt the campus environment.
- 9. Gambling, this includes bookmaking, pool setting for profit, promoting or setting up a lottery for money or property, or winning or losing money or other valuables by play or hazard at any game.
- 10. Unauthorized or illegal possession, use, distribution, sale or transportation of narcotics, stimulants, depressants, hallucinogenic drugs, marijuana, intoxicating beverage or any other illegal drug(s) not prescribed by a physician on campus or while on a College-sponsored event or trip is a violation of this code.
- 11. Interference with teaching, research, administration, or the District's subsidiary responsibilities through "disorderly conduct" or "disruptive behavior."
- 12. Hazing with or without the consent of a student. A violation renders both the person inflicting the hazing and the person submitting to the hazing subject to appropriate discipline.
- 13. Endangering the health or safety of members of the District, community or visitors to the College's facilities.
- 14. Classroom Disruption Offenses. Students who engage in behavior that disrupts a classroom, laboratory, or other environment in which educational or research activity takes place may be subject to action under this Code. Disruptive classroom conduct means engaging in behavior that substantially or repeatedly interrupts either the instructor's

ability to teach or student learning. For purposes of this provision, the classroom extends to any setting where a student is involved in work toward satisfaction of academic credit or continuing education course/program-based requirements or related activities.

### IV. Property Offenses

- 1. Violation of traffic regulations: All individuals will comply with the Texas Motor Vehicle Laws and any other regulations established by the El Paso County Community College District
- 2. Vandalism, malicious destruction, damage, defacing, misuse, or abuse of College's public, or private, property, including library materials, computer equipment, software, vending machines and vehicles.
- 3. Destroying or vandalizing property, or intending to destroy or vandalize property, including but not limited to, EPCC owned or leased property, fire alarms, extinguishers, and other safety devices.
- 4. Trespassing upon, forcibly entering, or otherwise proceeding into unauthorized areas of EPCC owned or leased buildings, facilities or their roofs.
- 5. Unauthorized or inappropriate use of EPCC property or the property of others.
- 6. Unauthorized or inappropriate use, duplication, or possession of keys, computer access codes, long distance caller identity codes, or other security mechanisms.
- 7. Theft or unauthorized possession of property or services.
- 8. Embezzling, defrauding, or using false pretenses to procure money, property, or services.
- 9. Knowingly purchasing or possessing stolen or embezzled property, money, or services.
- 10. Any willful or malicious burning of any property of

# Student Disciplinary Procedure as stated in College Procedure FMA-1

- I. Authority of Vice President
- 1. All Non-Academic Student related issues should be forwarded to the Vice President of Student and Enrollment Services.
- 2. All Academic Student related issues should be forwarded to the Vice President of Instruction and Workforce Education.

### II. Discipline Process

When the Vice President receives information that a student has allegedly violated a District policy, or the Student Code of Conduct, the Vice President shall investigate the alleged violation of student misconduct. Alleged violations of student misconduct may be submitted by any member of the campus community, including faculty, staff or students, or from a third-party, such as the Police Department. The information should be submitted in writing with supporting documentation that supports the allegation.

Students shall be given a fair opportunity to demonstrate innocence before College officials, as outlined in Section III of this procedure. Students are entitled to a disciplinary hearing, including being given adequate notice of the hearing and allegations in advance.

Students with disabilities may request special accommodations, such as sign language interpreting services and visual aids, during the student discipline process.

After completing a preliminary investigation, the Vice President may:

- 1. Dismiss the allegation;
- 2. Summon the student for a conference. After conferring with the student, the Vice President may:
  - a. Dismiss the allegation.
  - Proceed with the disposition of the violation described herein;
  - c. Impose the appropriate sanction(s). In any case, where the accused student does not dispute the allegations and that student executes a written waiver of the hearing procedure, the Vice President shall assess a sanction, and shall inform the student of such action in writing. The disciplinary records and proceedings shall be kept separate from the student's academic record and shall be treated as confidential. The decision of the Vice President shall be final: OR
  - d. Prepare a complaint and proceed with a discipline hearing when the facts of the allegation(s) are disputed.

### **Public/College Order Offenses**

- 1. Creating a fire, safety, or health hazard.
- 2. Falsely reporting a fire or other emergency situation by actions such as activating a fire alarm or pre-alarm cover when there is no reasonably perceived emergency.
- 3. Impeding or obstructing an investigation, or failing to identify oneself or to comply with the directions of EPCC officials, their authorized agents, EPCC or local police agencies acting in the performance and scope of their duties.
- 4. Having an animal on campus, except as permitted by EPCC policies and procedures.
- 5. Littering.
- 6. Causing any object to be ejected from windows, roofs, or balconies of EPCC owned or leased buildings.
- 7. Conveying information that the student knows or should know to be false, by actions such as lying or being dishonest, forging, altering, or causing any false information to be entered into an EPCC record or to be presented at an EPCC proceeding or to an EPCC official.
- 8. Possessing, providing, distributing, selling, or manufacturing any form of false EPCC, federal, or state-issued identification.
- 9. Impersonating any EPCC official.

- 10. Elimination of bodily fluids or waste, such as urine or feces in places or receptacles not designed for receipt of such substances.
- 11. Indecent exposure, including but not limited to "flashing." Indecent exposure is defined as, revealing one's genitals under circumstances likely to offend or shock others or in a public place.
- 12. Tampering with or misuse of any fire safety equipment, such as fire extinguishers, smoke detectors, carbon monoxide detectors, and fire alarms.
- 13. Failure to evacuate any building during a fire alarm.

### Misuse of Computing Resources and Technology

- 1. Unauthorized access or entry into a computer, computer system, networks, software, or data.
- 2. Unauthorized alteration of computer equipment, software, network, or data.
- 3. Unauthorized copying or distribution of computer software or data
- 4. Use of computing facilities and resources that interferes with the work of another student, faculty member, or College official.
- Viewing, downloading, or printing pornographic materials, photographs or video are strictly prohibited on College premises.
- 6. Use of computing facilities and resources to send obscene or defamatory messages.
- 7. Unauthorized accessing of College telephones to change a voice mail greeting.
- 8. Sending an email or text message using an email address or phone number belonging to another person with the intent to cause a recipient to reasonably believe that the other person sent or authorized the communication.
- 9. Cyber stalking, that is, use in electronic mail or electronic communication any words or language threatening to inflict bodily harm, physical injury to the property of, or extortion of money or other things of value to any person or the person's family or dependents; use of electronic mail or electronic communication for the purpose of threatening, terrifying, or harassing any person; or use of electronic mail or electronic communication to make false statements to any person or the person's family or dependents with the intent to threaten, terrify, or harass.

### V. Emergency Suspension

If a student's actions pose an immediate danger to any member of the EPCC community, the Vice President or a designee may immediately suspend the student pending a meeting. Except in extraordinary circumstances, that meeting will be scheduled within two academic calendar days. At this meeting, the student will be informed of the nature of the alleged violation, presented with available evidence, and given the opportunity to make a statement and present evidence. If the emergency suspension is continued, the student will be offered a hearing option. If the student elects

this option, the Vice President shall notify the student concerned by certified letter or personal delivery of the date, time and place of the hearing, which shall take place no fewer than ten class days after the date of notification.

### VI. Disciplinary Sanctions

Sanctions serve to promote safety or to deter students from behavior which harms or threatens people or property. Some behavior is so harmful to the El Paso Community College community or so detrimental to the educational process that it may require more serious sanctions, such as removal from specific courses or activities, suspension from El Paso Community College, or expulsion.

Disciplinary sanctions will be based upon the seriousness of the offense, the student's attitude, the impact of the misconduct on the College environment, the student's overall record at the College (including prior discipline, if any) and the statutory or other legal requirements, if any:

- 1. Written warning: A formal notice that the Code has been violated and that future violations will be dealt with more severely.
- 2. Disciplinary probation: A sanction that indicates that the individual's standing with the College is in jeopardy and that further violations may result in suspension or expulsion.
- 3. Restitution: A sanction that requires the student to compensate an injured party for loss, damage or injury in the form of money, service, or material replacement.
- 4. Community service: Performance of a specified number of hours or tasks designed to benefit the College community and/or to help the student understand why his or her behavior was inappropriate.
- 5. Class or workshop attendance: Enrollment and completion of a class or workshop designed to help the student understand why his or her behavior was inappropriate.
- 6. Educational project: Completion of a project specifically designed to help the student understand why his or her behavior was inappropriate.
- 7. Suspension of privileges: Loss of privileges, such as loss of library privileges, or the privilege to attend athletic or other extracurricular events.
- 8. Removal from courses or activities: Removal from specific courses or activities, including revocation of eligibility to represent the College in athletic or other extracurricular activities.
- 9. Counseling referral to pursue assistance in helping the student understand why his/her behavior is inappropriate and to obtain the skills necessary to avoid repeated offenses.
- 10. Failing grade for a test, assignment, or course.
- 11. Restrictions on access: Restriction from entering specific College areas and/or all forms of contact with certain persons.
- 12. Suspension: Separation from the College for a specified period of time or until certain conditions are met.
- 13. Expulsion: Permanent separation from the College whereby the student is not eligible for re-admission.

14. Revocation of Degree and withdrawal of diploma.

These sanctions do not diminish or replace the penalties available under generally applicable civil or criminal laws. Students are reminded that many violations of the Code, including harassment and other discriminatory behavior, also may violate local, state and federal laws and may subject the student to additional penalties.

### VII. Records

### **Records of Disciplinary Actions**

Records of present or former students of El Paso Community College are confidential and are not public information. Therefore, the following regulations regarding student disciplinary records shall apply:

- 1. Disciplinary records are considered educational records under the Family Educational Rights and Privacy Act (FERPA). As a result, these records are kept confidential in accordance with this law.
- 2. Disciplinary records will be filed in the student's or student organizations disciplinary file in the office of the Vice President. The file will consist of the following: a statement of charges, summary of the information presented at the disciplinary hearing as outlined in College Procedure FMA-1, findings and sanctions of the hearing body, records of appeals and rationale for the decisions.
- 3. Student disciplinary records are normally maintained in the office of the Vice President for a period of seven years, after which the file records may be purged. Records may be maintained for a longer time at the discretion of El Paso Community College except that the tape recording of any discipline hearings as per College Procedure FMA-1, may be destroyed one semester following exhaustion of all appeals. Records of students who were suspended or expelled from El Paso Community College are retained permanently.
- 4. If a student is suspended or expelled, a notation will be made on the student's academic record. The notation of suspension will be removed at the time the student is readmitted to El Paso Community College.
- 5. Individual student disciplinary records are confidential; nothing from them appears on a student's academic transcript.

### Request to Review a Disciplinary Record

Because the Family Educational Rights and Privacy Act (FERPA) defines the records of a student engaged in a disciplinary process as confidential, information about the disciplinary process may only be shared with the student found responsible, his/her parents if a dependent, his/her academic College dean or adviser and school officials with a legitimate educational interest.

Other persons desiring access to disciplinary records may do so by securing a written waiver from the student whose record is requested unless otherwise permitted by federal or state law.

### Other College Records

A disciplinary file is only one form of information maintained by El Paso Community College related to student records. The College Catalog contains more information related to student records and other confidential information.

### **Obtaining a Copy of your Student Records**

The office of the Vice President of Student and Enrollment Services does not give copies of student files. Students can view their file by scheduling an appointment to do so, under the supervision of the Vice President of Student and Enrollment Services or his/her designee.

### 3. Interim Suspension

Interim Suspension - The Vice President may take immediate disciplinary action and suspend a student, pending a hearing for policy violations. If the continuing presence of the student poses a danger to persons or property, or an on-going threat of disrupting the academic process, a student who has been suspended from the District for disciplinary reasons shall not be permitted on any of the College properties, or other facilities of the District during the period of suspension without the prior written approval of the Vice President.

- 4. Definition of Disciplinary Action Penalties shall be Defined as Follows:
  - A written reprimand from the Vice President or President shall be sent to the student.
  - Warning probation shall indicate that further violations of regulations will result in more severe disciplinary action. The Vice President shall impose warning probation for a period of not more than one (1) calendar year, and the student shall be removed automatically from probation when the imposed period expires.
  - c. Disciplinary probation shall indicate that further violations may result in suspension. Disciplinary probation may not be imposed for more than one calendar year.
  - d. A hold on a student's records occurs when a student has failed to make an appointment by his/her allotted time, has failed to keep his/her appointment or has failed to pay restitution. The hold will be lifted once the student has complied with the directives from the office of the Vice President.
  - Restitution shall be reimbursement for damages to, or misappropriation of, property. Reimbursement may take the form of service to repair or otherwise compensate for damage.
  - f. Suspension of rights and privileges is an elastic penalty. The Vice President or President may impose limitations on rights and privileges to fit the particular case.
- 5. Actions may be imposed upon the student as follows:
  - Failing grade or a grade of W (Withdrawal) may be assigned to a student for a course in which the student was found guilty of scholastic dishonesty.
  - b. A student found guilty of scholastic dishonesty may be denied a degree, certificate, or course credit.

- c. Suspension from the District prohibits, during the period of suspension, the suspended student from entering a District campus or facility under the control or jurisdiction of the District without prior written approval of the Vice President (charges of criminal trespass may be filed).
- A student may be denied initiation into an honorary or service organization.
- A student may be denied from receiving credit at a component of the District system for scholastic work done in residence or by correspondence or extension.
- f. Except when suspension is imposed for scholastic dishonesty, the Vice President may permit the receipt of credit for scholastic work done during the period of suspension.
- g. The decision of the Vice President is final.

### 6. Procedural Appeal:

- a. The decision of the Vice President may be appealed to the President, but only on the basis that Procedures described herein were not properly observed.
- b. The decision of the President is final.

### III. Discipline Hearings Procedure

Hearings will be conducted for offensives related to behavior misconduct identified in Procedure FLB-1, Student Code of Conduct.

### 1. Hearing Committee

In cases where the accused student disputes the facts upon which the charge(s) are based, such charge(s) shall be heard and determined by a Hearing Committee appointed by the Vice President. The Hearing Committee shall be composed of six members who are not directly or indirectly involved with the charge(s) against the student.

- a. Three students chosen by the Student Government Association (when the SGA member is the "accused" student, the Vice President shall recommend the students).
- A counselor (recommended by a Dean who supervises counselors).
- A faculty member (recommended by the Vice President).
- d. An administrative officer, non-voting hearing officer (recommended by the Vice President).

### 2. Notice

- a. The Vice President shall notify the student concerned by certified letter and regular mail or personal delivery, of the date, time, and place for the hearing, which shall take place no fewer than ten (10) working days after the date of notification.
- If, however, the student has been suspended, the hearing shall take place as soon as possible. If after

- a reasonable amount of time has passed and a hearing has not taken place, the student has the right to return to class.
- c. An extension of time may be granted by the hearing officer "upon request for reasonable cause" by either the student or by the representative of the College.

### 3. Contents of Notice – The notice shall:

- Direct the student, by certified letter and regular mail or personal delivery sent to the student's address of record, to appear on the date, time, and place specified.
- Advise the student of his/her rights as outlined below:
  - To a private hearing.
  - To appear in person and to have a representative at the hearing. The student shall present his or her defense. The student may elect to have a representative present who is not an Attorney or legal representative. The representative may not actively participate in the process by posing questions or responding to information presented. The Hearing Officer may request that the representative leave if the representative does not abide by the rules of the process.
  - An exchange of evidence and a list of witnesses expected to testify will be made available by both parties, five (5) working days prior to the hearing.
  - To call witnesses, to receive copies of evidence in the District's possession, and to argue in his or her own behalf.
  - To have the hearing electronically recorded and receive a copy of the tape.
  - To cross-examine each witness who testifies against the student.
  - o To appeal.
- c. Contain the names of witnesses who will testify against the student and a description of documentary and other evidence that will be offered against the student.
- d. Include a copy of the complaint.
- e. Notify the student that the District may be represented by counsel, who may cross-examine any witness testifying on the student defendant's behalf or the student defendant if the student testifies in his/her own behalf.

### 4. Failure to Comply with Notice

The Vice President may suspend or impose other appropriate penalties upon a student who fails, without good cause, to comply with a letter of notice, or, at the discretion of the Vice President, may proceed with the hearing in the student's absence.

### 5. Hearing Procedure

The hearing shall be held according to the following:

- a. The non-voting administrator shall serve as the Chairperson of the Hearing Committee.
- b. The hearing shall be informal, and the Hearing Committee shall provide reasonable opportunities for witnesses to be heard. The hearing shall be closed unless the student requests an open hearing.
- c. The hearing shall proceed as follows:
  - o The Vice President shall read the complaint.
  - The Administrator shall inform the student of his/her rights.
  - The Vice President shall present the District's case.
  - o The student shall present his or her defense.
  - o The Vice President shall present rebuttal evidence.
  - The Vice President shall summarize and argue the District's case.
  - The student shall summarize and argue his or her case.
  - The Vice President shall have an opportunity for rebuttal argument.
  - On the question of guilt and punishment, the Hearing Committee shall decide by majority vote.
  - If the Hearing Committee finds the student guilty, the Vice President and the student defendant may present evidence and argument for a penalty.
  - The Chairperson of the Hearing Committee shall inform the Vice President and the student in writing of the decision and penalty, if any.
  - If less than a majority finds the student guilty, the complaint shall be dismissed with no further action taken against the student.

### 6. Evidence

Evidence shall be handled according to the following:

- a. Legal rules of evidence do not apply in a hearing under this policy. The hearing officer may admit evidence that is commonly accepted by reasonable persons in the conduct of their affairs. The hearing officer shall exclude irrelevant, immaterial, and unduly repetitious evidence. The hearing officer shall give effect to the rules of privilege recognized by law and custom.
- b. At the hearing, the District shall prove that the evidence supports the charges.
- c. A student may not be compelled to testify.
- d. The Hearing Committee shall decide the issue of guilt or innocence and a penalty solely on the basis of admitted evidence.
- A student defendant may have a stenographer present at the hearing to make a stenographic transcript of the hearing at the student's expense.

### 7. Decision

The Hearing Committee shall render a written decision as to the accused student's guilt or innocence of the charge(s) and shall set forth findings of facts in support of the charge(s). The penalty shall also be stated in the decision. The Vice President shall administer the penalty, if any.

### 8. Appeal

The decision of the Hearing Committee may be appealed to the President, but only on the basis that procedures described herein were not properly observed.

### 9. Hearing Records

The disciplinary records and proceedings shall be kept separate from the student's academic record and shall be treated as confidential.

### 10. Types of Penalties

The Vice President and/or Hearing Committee may impose one or more of the penalties for offenses listed in the Student Code of Conduct, for violation of District rules and regulations:

- a. Reprimand
- b. Warning Probation
- c. Disciplinary Probation
- d. Placing an administrative hold and/or dropping current enrollment
- e. Restitution
- f. Suspension of rights and privileges
- g. Assignment of failing grade(s)
- h. Denial of degree
- i. Suspension from the District for less than one (1) calendar year
- j. Permanent Expulsion

Permanent Expulsion from the District prohibits the student from entering a District campus or facilities under the control or jurisdiction of the District without prior written approval of the Vice President (charges of criminal trespass may be filed).

### IV. Disposition of Academic Dishonesty

When there is sufficient evidence of academic misconduct, the instructor should meet with the student to present the evidence and get an explanation/response to the allegation from the student. After presenting the evidence to the student, then the faculty member may take corrective action.

- 1. If the student does not deny the allegation, the instructor should get the admission of the violation in writing from the student and can then take any or all of the following actions:
  - a. Provide a warning to the student and explain the consequence of another infraction.
  - b. Take any corrective action as deemed appropriate. For example, in the case of plagiarism, the student could be given an opportunity to redo the paper in question, but receive a lower grade.

- c. Give the student a zero/failing grade for the test/quiz/paper in question.
- In addition to the above, the instructor can give the student an "I" (Incomplete) for the course and refer the issue through the responsible Instructional Dean/Director to the Vice President for administrative disposition. The instructor should his/her recommendation of the administrative disposition to be taken. A list of sanctions that can be imposed can be found in the Student Code of Conduct. However, it is advised that instructors not give an "F" for the course to the alleged student, since this places any challenges to the allegations directly on the instructor and bypasses the student's right to due process. If, upon notification by the instructor of the allegation of academic misconduct, the student drops the class, the instructor's final course failing grade does not override the drop. Nevertheless, if the issue is referred to the Vice President, the student will go through the administrative process and, if found responsible, can be administratively reinstated and receive the failing grade for the course, if that is the administrative disposition of the case.

### 2. Examples of Administrative Disposition

Following is the administrative disposition (penalty) normally applied in cases of academic misconduct. The following examples represent the "normal" administrative disposition of cases; however, each case is reviewed on an individual basis. Mitigating circumstances are taken into account, and the outcome may vary case by case.

- a. First Offense: Receive a failing grade for the course and be placed on Disciplinary Probation. Record of disciplinary action becomes a permanent record of the student.
- Second Offense: Receive a failing grade for the course, and administrative withdrawal from all current semester courses (without refund), and suspension.
- c. Third Offense: Receive a failing grade for the course, administrative withdrawal from all current semester courses (without refund), and suspension for one (1) year or expulsion.
- d. Non-Academic Misconduct in the Classroom
- 3. The faculty member must use his/her own judgment as to what constitutes disruptive behavior, which is any activity that interrupts or causes the faculty member or a student to stop a class activity to respond to another student who is behaving in an unacceptable manner.
- 4. These disciplinary actions do not diminish or replace the penalties available under generally applicable civil or criminal laws. Students are reminded that many violations of the Student Code of Conduct, including harassment and other discriminatory behavior, also may violate local, state, and federal laws and may subject the student to additional penalties.

### V. Disciplinary Sanctions

Sanctions serve to promote safety or to deter students from behavior which harms or threatens people or property. Some behavior is so harmful to the El Paso Community College community or so detrimental to the educational process that it may require more serious sanctions such as removal from specific courses or activities, suspension from El Paso Community College, or expulsion.

- 1. Disciplinary sanctions will be based upon the seriousness of the offense, the student's attitude, the impact of the misconduct on the College environment, the student's overall record at the College (including prior discipline, if any) and the statutory or other legal requirements, if any.
  - Written warning: A formal notice that the Code has been violated and that future violations will be dealt with more severely.
  - b. Disciplinary probation: A sanction that indicates that the individual's standing with the College is in jeopardy and that further violations may result in suspension or expulsion.
  - Restitution: A sanction that requires the student to compensate an injured party for loss, damage or injury in the form of money, service, or material replacement.
  - d. Community service: Performance of a specified number of hours or tasks designed to benefit the College community and/or to help the student understand why his or her behavior was inappropriate.
  - e. Class or workshop attendance: Enrollment and completion of a class or workshop designed to help the student understand why his or her behavior was inappropriate.
  - f. Educational project: Completion of a project specifically designed to help the student understand why his or her behavior was inappropriate.
  - g. Suspension of privileges: Loss of privileges, such as loss of library privileges, or the privilege to attend athletic or other extracurricular events.
  - Removal from courses or activities: Removal from specific courses or activities, including revocation of eligibility to represent the College in athletic or other extracurricular activities.
  - i. Counseling
  - j. Failing grade for a test, assignment, or course.
  - Restrictions on access: Restriction from entering specific College areas and/or all forms of contact with certain persons.
  - Suspension: Separation from the College for a specified period of time or until certain conditions are met.

- Expulsion: Permanent separation from the College whereby the student is not eligible for re-admission.
- n. Revocation of Degree and withdrawal of diploma.
- 2. These sanctions do not diminish or replace the penalties available under generally applicable civil or criminal laws. Students are reminded that many violations of the Code, including harassment and other discriminatory behavior, also may violate local, state and federal laws and may subject the student to additional penalties.

### VI. Records

1. Records of Disciplinary Actions: Sexual Assault, Dating Violence, Domestic Violence, and Stalking.

Records of present or former students of El Paso Community College are confidential and are not public information. Therefore, the following regulations regarding student disciplinary records shall apply.

- Disciplinary records are considered educational records under the Family Educational Rights and Privacy Act (FERPA). As a result, these records are kept confidential in accordance with this law.
- b. Disciplinary records will be filed in the student's or student organization's disciplinary file maintained through Banner. The file will consist of the following: a statement of charges, a summary of the information presented at the disciplinary hearing as outlined in College Procedure FMA-1, and findings and sanctions of the hearing body, records of appeals and rationale for the decisions.
- c. Student disciplinary records are normally maintained in the office of the Vice President for a period of seven years, after which the file records may be purged. Records may be maintained for a longer time at the discretion of El Paso Community College except that the tape recording of any discipline hearings as per College Procedure FMA-1, may be destroyed one semester following exhaustion of all appeals. Records of students who were suspended or expelled from El Paso Community College are retained permanently.
- d. If a student is suspended or expelled, a notation will be made on the student's academic record. The notation of suspension will be removed at the time the student is readmitted to El Paso Community College.
- Individual student disciplinary records are confidential; nothing from them appears on a student's academic transcript.
- 2. Request to Review a Disciplinary Record: Because the Family Educational Rights and Privacy Act (FERPA) defines the records of a student engaged in a disciplinary process as confidential, information about the disciplinary process may only be shared with the student found responsible, his/her parents if a dependent, his/her academic College dean or adviser and school officials with a legitimate educational interest.

Other persons desiring access to disciplinary records may do so by securing a written waiver from the student whose record is requested unless otherwise permitted by federal or state law

- 3. Other College Records: A disciplinary file is only one form of information maintained by El Paso Community College related to student records. The College Catalog contains more information related to student records and other confidential information
- 4. Obtaining a copy of your Student Records: The office of the Vice President of Student and Enrollment Services does not give copies of student files. Students can view their file by scheduling an appointment to do so, under the supervision of the Vice President of Student and Enrollment Services or his/her designee.

2023-2024 Core Curriculum

## **Core Curriculum**

# Core Curriculum for Associate of Arts & Science Degrees

The Core Curriculum is designed to provide students with the foundational intellectual competencies that will enable them to meet the demands of college education and to facilitate transfer between colleges and universities. The Texas Core Curriculum is required for undergraduate students in public Texas colleges and universities. Students pursuing Associate of Arts or Science degrees are required to complete a total of 42 Semester Credit Hours (SCH) of Core Curriculum, with few exceptions. The curriculum is based on a wide range of college-level, general education coursework that will enable individuals to contribute economically, politically, and socially to our border community and ever-changing world.

# General Education for Career & Technical Degrees/Certificates

Associate of Applied Science degrees require students to complete a minimum of 15 credit hours of General Education courses. Additional information may be found in the "Associate Degree Requirements" section of the catalog. Students are encouraged to follow the degree plans in the catalog. General Education courses are Core Curriculum courses in the academic areas of Humanities/Fine Arts, Social/Behavioral Sciences, and Natural Sciences/Mathematics. Students pursuing Career & Technical Certificates may not have a General Education course requirement. Students should follow the Certificate degree plans published in the catalog.

### **Core Curriculum Requirements**

The Core Curriculum consists of nine components that provide a solid foundation of a college education and facilitate transfer between college and university. Courses chosen must satisfy at least the minimum required credit hours for each component. Students should consult the particular degree requirements for their major before selecting the courses to be used to meet the Core Curriculum requirements.

For more information on the Texas Core Curriculum, go to: thecb.state.tx.us and search "Texas Core Curriculum (TCC)."

Core Curriculum Requirements		
FCA Transcript Code	Component Area	Required SCH
010	Communication	6 SCH
020	Mathematics	3 SCH
030	Life and Physical Sciences	6 SCH
040	Language, Philosophy and Culture	3 SCH
050	Creative Arts	3 SCH
060	American History	6 SCH
070	Government/Political Science	6 SCH
080	Social and Behavioral Sciences	3 SCH
090	Component Area Option	6 SCH
Total Core Curriculum Hours 42 SCH		

Communication (Code 010)	
Complete	
ENGL 1301	Composition I
Complete one from	
SPCH 1315	Public Speaking
SPCH 1321	Business & Professional Communication
	Total Semester Credit Hours: 6

Mathematics (Code 020)		
Complete one fi	Complete one from	
MATH 1314	College Algebra	
MATH 1324	Mathematics for Business & Social Sciences	
MATH 1332	Contemporary Mathematics (Quantitative	
WATH 1332	Reasoning)	
MATH 1342	Elementary Statistical Methods	
MATH 2314	Calculus II	
MATH 2412	Pre-Calculus Math	
MATH 2413	Calculus I	
	<b>Total Semester Credit Hours: 3</b>	

\*For MATH 2412 and MATH 2413, one credit hour will be counted in the discipline degree requirement.

Life and Physical Science (Code 030)		
Complete two fr	Complete two from	
ASTR 1303	Stars and Galaxies (Lecture)	
ASTR 1304	Solar System (Lecture)	
BIOL 1306	Biology for Science Majors I (Lecture)	
BIOL 1307	Biology for Science Majors II (Lecture)	
BIOL 1308	Biology for Non-Science Majors I (Lecture)	
BIOL 1309	Biology for Non-Science Majors II (Lecture)	
BIOL 2401	Anatomy & Physiology I (Lecture + Lab)	
BIOL 2402	Anatomy & Physiology II (Lecture + Lab)	
	Anatomy & Physiology (Specialized, Single-	
BIOL 2404	Semester Course, Lecture + Lab)	
	Introductory Chemistry I (Lecture, Allied	
CHEM 1306	Health Emphasis)	
CHEM 1307	Introductory Chemistry II (Lecture)	
CHEM 1311	General Chemistry I (Lecture)	
CHEM 1312	General Chemistry II (Lecture)	
	Earth Sciences for Non-Science Majors I	
GEOL 1301	(Lecture + Lab)	
	Earth Sciences for Non-Science Majors II	
GEOL 1302	(Lecture)	
GEOL 1303	Physical Geology (Lecture)	
GEOL 1304	Historical Geology (Lecture)	
PHYS 1301	College Physics I (Lecture)	
PHYS 1302	College Physics II (Lecture)	
PHYS 1315	Physical Science I (Lecture)	
PHYS 2325	University Physics I (Lecture)	
PHYS 2326	University Physics II (Lecture)	
	Total Semester Credit Hours: 6	

\*Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

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Language, Philosophy, & Culture (Code 040)		
Complete one fr	Complete one from	
ARCH 1301	Architectural History I	
ARTS 1303	Art History I (Prehistoric to the 14th Century)	
ARTS 1304	Art History II (14th Century to the Present)	
COMM 1307	Introduction to Mass Communication	
ENGL 2322	British Literature I	
ENGL 2323	British Literature II	
ENGL 2332	World Literature I	
ENGL 2333	World Literature II	
ENGL 2341	Forms of Literature	
ENGL 2351	Mexican American Literature	
HIST 2321	World Civilizations I	
HIST 2322	World Civilizations II	
PHIL 1301	Introduction to Philosophy	
PHIL 2303	Introduction to Formal Logic	
PHIL 2306	Introduction to Ethics	
SPAN 2311	Intermediate Spanish I	
SPAN 2313	Spanish for Native/Heritage Speakers I	
SPAN 2315	Spanish for Native/Heritage Speakers II	
	<b>Total Semester Credit Hours: 3</b>	

Creative Arts (Code 050) Complete one from	
ARTS 1301	Art Appreciation
COMM 2366	Film Appreciation
DANC 2303	Dance Appreciation
DRAM 1310	Theater Appreciation
MUSI 1306	Music Appreciation
MUSI 1310	American Music
	Total Semester Credit Hours: 3

History (Code 060) Complete	
HIST 1301	United States History I
HIST 1302	United States History II
	Total Semester Credit Hours: 6

Government/Political Science (Code 070)	
Complete	
GOVT 2305	Federal Government (Federal Constitution & Topics)
GOVT 2306	Texas Government (Texas Constitution & Topics)
	<b>Total Semester Credit Hours: 6</b>

Social and Behavioral Sciences (Code 080)		
Complete one j	Complete one from	
ECON 1301	Introduction to Economics	
ECON 2301	Principles of Macroeconomics	
ECON 2302	Principles of Microeconomics	
PSYC 2301	General Psychology	
PSYC 2306	Human Sexuality	
PSYC 2314	Lifespan Growth & Development	
SOCI 1301	Introduction to Sociology	
SOCI 2301	Marriage & the Family	
SPCH 1318	Interpersonal Communication	
	Total Semester Credit Hours: 3	

Component Area Option (Code 090)  Complete	
EDUC 1300	Learning Framework
ENGL 1302	Composition II
	Total Semester Credit Hours: 6

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# Associate Degree Requirements (AA, AAT, AS, AAS)

### Areas of Study

El Paso Community College offers Associate degrees and Certificates of Completion in eight Areas of Study based on the student's declared major and interest:

- 1. Arts, Humanities, Communication, & Design
- 2. Business
- 3. Education
- 4. Health Sciences
- 5. Industry, Manufacturing & Construction
- 6. Public Service
- 7. Science, Technology, Engineering & Math
- 8. Social & Behavioral Sciences

See the Areas of Study section located before the degree plans in this catalog for a full listing of degrees and certificates available within EPCC's Areas of Study.

It is important to consider transfer and career goals when selecting an Area of Study and major. Students interested in transferring to a four-year institution to obtain a Bachelor's degree or higher, should pursue an Associate of Arts (AA), Associate of Arts in Teaching (AAT), or Associate of Science (AS) degree because these degrees are designed to transfer. Alternatively, students interested in developing skills for immediate employment and/or career advancement should pursue an Associate of Applied Science (AAS) degree and/or Certificate of Completion; these degrees typically do not transfer to four-year institutions.

Students can choose to declare their major when they first enroll at EPCC or they may choose to follow a degree plan from a subsequent Catalog year. The student's selected major and Catalog year must be on record with the Admissions and Registration Office. Students have five years from the date of the Catalog year selected to complete their declared major; if degree completion takes longer than five years, the student must adopt the degree plan of the current Catalog year or select and declare a new major.

Each major has Degree Plans available to help students understand their program's requirements. Degree Plans are available in this Catalog, on the EPCC website in the form of Program Maps, and through the Degree Works tool which is accessed through Web Banner. Counselors and Academic Advisors are also available to help students determine their options.

### Awards

EPCC offers 32 Associate of Arts or Science degrees that are transferable to four-year institutions and 51 Associate of Applied Science degrees that are designed to prepare students for direct employment in specialized industries. EPCC also offers numerous Certificates of Completion that are focused on building workforce skills.

The Associate of Arts (AA), Associate of Arts in Teaching (AAT), and Associate of Science (AS) degrees require 60 credit hours and take approximately two years to complete if you attend full-time. These degrees are composed of the Texas Core Curriculum and additional hours in a major selected by the student. The Texas Core Curriculum includes courses such as English, mathematics, history, and government, which are considered to be core requirements for most baccalaureate degree programs.

The Associate of Applied Science (AAS) degrees require 60 credit hours (unless otherwise indicated) and take approximately two years to complete if you attend full-time. These degrees are composed of a minimum of 15 credit hours of General Education courses (primarily from the Texas Core Curriculum) as well as additional Workforce Education courses in the student's chosen major.

Students are encouraged to complete the requirements of an Associate degree at EPCC even if they plan to transfer to another college or university. Completing an Associate degree reflects commitment to a specific educational goal and opens doors to numerous employment opportunities. Students that complete an AA, AAT, or AS at EPCC, could potentially transfer into a Texas public college or university with junior (third-year) status. Students are advised to check the degree requirements of the receiving institution to verify transferability of credits.

### Associate of Arts (AA)

Prepares students to transfer to a Texas public university as a junior with the intention of declaring a major in the liberal or fine arts.

### Associate of Arts in Teaching (AAT)

Prepares students to transfer to a Texas public university as a junior with the intention of pursuing a baccalaureate program that leads to initial Texas teacher certification.

### Associate of Science (AS)

Prepares students to transfer to a Texas public university as a junior with the intention of declaring a major in science, technology, engineering, or math.

### Associate of Applied Science (AAS)

Designed to lead the recipient to immediate employment and/or aid in career advancement. This degree typically does not transfer to four-year institutions, but EPCC has formal agreements with certain partner universities that may allow transferability, students must check with the receiving institution to verify applicability of credits.

### Level 1 Certificate (CERT 1)

Can be completed by a student in one year or less and consists of between 15 and 42 semester credit hours. Students pursing this certificate are exempt from TSIA/TSIA2 requirements, but programs may perform local assessment and remediation of students, provided that these activities do not exclude the student from enrollment in the level one certificate program.

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### Level 2 Certificate (CERT 2)

Requires that students meet certain eligibility requirements prior to entry into the program and consists of between 30 and 51 semester credit hours. Students enrolling in this certificate are subject to TSIA/TSIA2 requirements.

# Enhanced Skills Certificate (ESC/CERT 3)

Accompanies an AAS degree program and is intended to provide advanced skills which are not part of the AAS degree. It consists of between 6 and 12 semester credit hours and is awarded concurrently with an AAS degree. Few programs offer an ESC, check the degree plans in this catalog or see a Counselor/Academic Advisor for more information.

# Advanced Technical Certificate (ATC/CERT 4)

Requires a defined associate or baccalaureate degree as a prerequisite. It consists of between 16 and 45 semester credit hours and must be in the same program area as the completed associate or baccalaureate degree. Few programs offer an ATC, check the degree plans in this catalog or see a Counselor/Academic Advisor for more information.

### **Graduation Requirements for an Associate Degree**

To graduate with an Associate Degree (AA, AAT, AS, or AAS), students must:

- Complete a minimum of sixty (60) semester credit hours in college-level courses. Students pursuing an AA, AAT, AS may not apply any Workforce Education courses to their degree.
- Meet EPCC's institutional residency requirement that 25% of courses toward the degree must be taken at EPCC, with at least six (6) credit hours in the student's declared major.
- Have a cumulative grade point average of 2.0 and be in good academic standing. An average of at least a "C" or better is also required for all courses within the degree plan.
- For AA, AAT, AS degrees: Complete all blocks of the Core Curriculum which total 42 credit hours (unless otherwise noted). For AAS degrees: Complete a minimum of 15 credit hours of General Education courses, with at least three credit hours in each area: Humanities/Fine Arts, Social/ Behavioral Sciences, and Mathematics/Natural Sciences.

To confirm Certificate of Completion graduation requirements, please contact the Admissions & Registration Office.

For more information on graduation/commencement requirements visit epcc.edu/Academics/Commencement

### **Transferability**

Not all majors available at four-year or upper-level colleges and universities are offered at El Paso Community College; however, students may prepare to transfer to a particular program at an upper-level institution by:

- Completing the core requirements of the Associate of Arts or Associate of Science Degree at EPCC and selecting other courses in their major, or
- Selecting courses as specified in the transfer plans developed by EPCC in cooperation with senior institutions to which students transfer. These plans are available in the Counseling Center at each campus and are designed to prepare students to transfer to a particular four-year or upper-level college or university.

The Texas Legislature has mandated that each public Texas college and university create a Texas Core Curriculum and follow the Field of Study requirements (see below). These are designed to ensure smooth transferability between colleges and universities. If a student has problems transferring a course from the Texas Core Curriculum or a Field of Study, the appeal procedure is outlined in the Admissions section of this Catalog.

All of the courses in the Field of Study are guaranteed to transfer across all public institutions of higher education in Texas, and they are required to apply toward a baccalaureate degree program in the discipline.

# Fields of Study

Transferring made easy! If you are planning to transfer to any public university in Texas, a Field of Study might be right for you.

### What is a Field of Study?

A Field of Study is a set of courses designed to satisfy the lower-division requirements of a corresponding Bachelor's degree. This means that if a student is interested in pursuing a Bachelor's degree in Criminal Justice, for example, they may complete the Criminal Justice Field of Study at EPCC and directly transfer those courses into a Criminal Justice Bachelor's degree at any Texas public university. Completing a Field of Study provides students with the peace of mind that their credits will undoubtedly transfer into their desired degree and major.

Additionally, by completing both the Core Curriculum and Field of Study at EPCC, students increase the likelihood that they will be able to meet the full requirements of the first two years of a four-year degree and enter into a Texas public university as a junior.

It is important to note that a Field of Study is not a degree; you will not receive a diploma for a Field of Study. However, some Fields of Study are incorporated into Associate of Arts or Science degree plans. Refer to the following pages or check with an EPCC Counselor/Advisor for more information.

All Texas public colleges and universities are required to accept Texas Higher Education Coordinating Board-approved Field of Study and Texas Core Curriculum courses. If any Texas public college or university does not accept Core Curriculum or Field of Study courses, students are able to dispute the decision with the institution and/or the Commissioner of Higher Education. See the Admissions and Registration section for details on the Resolution of Transfer

2023-2024 Core Curriculum

Disputes process. EPCC currently offers the following Fields of Study, with more coming soon!

### **Architecture**

The Architecture Field of Study courses are intended to fulfill all or part of various National Architectural Accrediting Board (NAAB) Student Performance Criteria. The Architecture Field of Study courses are incorporated into an Associate of Science (AS) degree; with 36 credits of Field of Study courses and 24 credits of Texas Core Curriculum courses. Completion of these courses plus EPCC graduation requirements will result in an AS in Architecture; however, students will not be considered Core complete and will need to finish the remaining Core Curriculum at the receiving institution or prior to transfer.

Architecture l	Field of Study Courses
ARCH 1301	Architectural History I
ARCH 1302	Architectural History II
ARCH 1303	Architectural Design I
ARCH 1304	Architectural Design II
ARCH 1307	Architectural Graphics I
ARCH 1308	Architectural Graphics II
ARCH 1311	Introduction to Architecture
ARCH 2312	Architectural Technology
ARCH 2603	Architectural Design III
ARCH 2604	Architectural Design IV

<sup>\*</sup>Note: Architecture students may be subject to satisfying competency and proficiency requirements at the receiving institution. Completion of the Architecture Field of Study shall not prevent a receiving institution from requiring additional lower-division courses needed for specific Bachelor's degree programs. However, these courses may not be duplicative in content of any course already completed within the Field of Study.

### **Business Administration & Management**

The Business Administration and Management Field of Study is designed to apply to any undergraduate Business-related major (other than Economics) such as Accounting, Finance, Marketing, Business/Commerce, or Management Information Systems. The Field of Study courses are incorporated into the Associate of Arts in Accounting, Business, and Economics degree. Students are encouraged to work closely with an EPCC Counselor/Advisor to select the necessary courses to complete both the Field of Study and Texas Core Curriculum at EPCC.

# **Business Administration & Management Field of Study Courses**

ACCT 2301	Principles of Financial Accounting
ACCT 2302	Principles of Managerial Accounting
BCIS 1305	<b>Business Computer Applications</b>
BUSI 1301	Business Principles

# **Business Administration & Management Field of Study Courses** (continued)

BUSI 2305	Business Statistics
ECON 2301	Principles of Macroeconomics
ECON 2302	Principles of Microeconomics
MATH 1324	Mathematics for Business & Social Sciences

\*Note: Students interested in pursuing a Bachelor's degree in Economics are encouraged to check the degree requirements at the receiving institution as this Field of Study may not apply to Economics baccalaureate degree programs.

### **Criminal Justice**

The Criminal Justice Field of Study courses are a set of lower-division courses that can be applied to a Bachelor's degree with a major in Criminal Justice, regardless of Bachelor degree designation (B.A., B.S.). The Field of Study also applies to related programs such as Criminology, Law Enforcement Administration, Corrections, and Juvenile Corrections. The Field of Study courses are incorporated into the Associate of Arts degree in Criminal Justice; with 15 credits of Field of Study courses and the remaining credits made up of Texas Core Curriculum and other major-specific courses.

Criminal Justice Field of Study Courses		
CRIJ 1301	Introduction to Criminal Justice	
CRIJ 1306	Court Systems & Practices	
CRIJ 1310	Fundamentals of Criminal Law	
CRIJ 2313	Correctional Systems & Practices	
CRIJ 2328	Police Systems & Practices	

\*Note: Although the Field of Study courses are also incorporated into the Associate of Applied Science degrees in Criminal Justice Option and Homeland Security, students intending to transfer are encouraged to pursue the Associate of Arts in order to fulfill the Texas Core Curriculum requirements required at 4-year institutions.

### **English Language & Literature**

The English Language and Literature Field of Study courses are designed to meet the lower-division requirements of a Bachelor's degree in English Language & Literature, Writing, or Rhetoric and Composition. With careful planning, these Field of Study courses can be incorporated into the Associate of Arts in English.

# English Language & Literature Field of Study Courses

ENGL 1301	Composition I		
ENGL 1302	Composition II		
Select two courses from the following:			
ENGL 2322	British Literature I		
ENGL 2323	British Literature II		
ENGL 2332	World Literature I		
ENGL 2333	World Literature II		
ENGL 2341	Forms of Literature		
ENGL 2351	Mexican American Literature		

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### **Mexican American Studies**

The Mexican American Studies Field of Study courses are designed to meet the lower-division requirements of a Bachelor's degree in Mexican American Studies. The Field of Study courses are incorporated into the Associate of Arts degree in Chicanx Studies; with 18 credits of Field of Study courses and the remaining credits made up of Texas Core Curriculum and other major-specific courses.

Mexican American Studies Field of Study Courses		
ENGL 2351	Mexican American Literature	
GOVT 2311	Mexican American Politics	
HIST 2327 OR	Mexican American History I	
HIST 2328	Mexican American History II	
HUMA 1305	Introduction to Mexican American Studies	
HUMA 1311	Mexican American Fine Arts Appreciation	
SPAN	Any Spanish Course	

### Music

The Music Field of Study is comprised of 31 credits of Music-focused courses. Students will develop skills and knowledge to prepare for a Bachelor's degree in Music. The Music Field of Study courses are incorporated into an Associate of Arts (AA) degree; with 31 credits of Field of Study courses, 27 credits of Texas Core Curriculum courses, and two credits of piano proficiency courses (recommended by the Texas Higher Education Coordinating Board for all Music majors). Completion of these courses plus EPCC graduation requirements will result in an AA in Music; however, students will not be considered Core complete and will need to finish the remaining Texas Core Curriculum at the receiving institution. Contact the Music Program Coordinator for more information.

Music Field of Study Courses			
MUAP 11XX, 21XX, AND/OR 22XX	Applied Music (8 credits total)		
MUEN 11XX,	Instrumental Ensembles and/or		
AND/OR 21XX	Vocal Ensembles (4 credits total)		
MUSI 1116, 1117, 2116,	Sight Singing & Ear Training I, II,		
AND 2117	III, IV (4 credits total)		
MUSI 1307	Music Literature		
MUSI 1311, 1312, 2311,	Music Theory I, II, III, IV		
AND 2312	(12 credits total)		

\*Note: Music students may be subject to satisfying competency and proficiency requirements at the receiving institution. Should a transferring student fail to demonstrate proficiency, the student may be encouraged, but not required, to retake relevant courses to gain proficiency. Courses selected for inclusion in the Field of Study Curriculum for Music are considered common to lower-division study for most music degrees.

Receiving institutions may require transfer students in specialized programs (e.g., jazz studies, performance, composition, music therapy, etc.) to take additional degree-specific, lower-division courses that are not included in the Field of Study Curriculum. These additional courses may not be duplicative in content of any course already completed within the Field of Study.

### Nursing

The Nursing Field of Study is intended for baccalaureate degree-seeking nursing students who plan to take their prerequisite and Texas Core Curriculum courses at community college and transfer the block of courses to a general academic teaching institution, or health-related institution in Texas. Courses are designed to meet the lower-division requirements of a Bachelor's degree in Nursing/Registered Nursing.

Students interested in obtaining an Associate degree at EPCC may want to inquire about how the Nursing Field of Study courses can apply to the Associate of Arts in Multidisciplinary Studies. These Field of Study courses are NOT incorporated into the Associate of Applied Science (AAS) degree in Nursing and do not provide the appropriate preparation for the AAS in Nursing. Students interested in pursuing the AAS in Nursing should refer to the degree plan in the Health Sciences section of the catalog or see an EPCC Counselor for more information on program requirements.

Nursing Field of Study Courses		
BIOL 2401	Anatomy and Physiology I (Lecture + Lab)	
BIOL 2402	Anatomy and Physiology II (Lecture + Lab)	
BIOL 2421	Microbiology for Science Majors (Lecture + Lab)	
CHEM	Any Chemistry course, including Lab (4 credits total)	
ENGL 1301	Composition I	
ENGL 1302 OR	Composition II	
ENGL 2311	Technical and Business Writing	
HECO 1322	Nutrition & Diet Therapy	
MATH 1342	Elementary Statistical Methods	
PSYC 2301	General Psychology	
PSYC 2314	Lifespan Growth & Development	

### **Political Science**

The Political Science Field of Study is new to EPCC and facilitates transfer into General Political Science and Government Bachelor's degree programs at Texas public universities. This Field of Study does not apply to International Relations, Political Economy, National Security Policy Studies, or other related specialized undergraduate programs. EPCC does not currently offer an Associate degree in Political Science; however, students may apply these courses to the Associate of Arts in Multidisciplinary Studies.

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Political Science Field of Study Courses		
GOVT 2304	Introduction to Political Science	
GOVT 2305	Federal Government (Federal Constitution & Topics)	
GOVT 2306	Texas Government (Texas Constitution & Topics)	
MATH 1342	Elementary Statistical Methods	

### **Psychology**

The Psychology Field of Study facilitates transfer into Psychology Bachelor's degree programs at Texas public universities, regardless of Bachelor degree designation (B.A., B.S.). These Field of Study courses can be incorporated into either the Associate of Arts or Associate of Science degrees in Psychology; students can apply these Field of Study courses to the degree plans' Elective Options.

Psychology Fi	eld of Study Courses
PSYC 2301	General Psychology
PSYC 2314	Lifespan Growth & Development
PSYC 2317	Statistical Methods in Psychology
PSYC 2319	Social Psychology
PSYC 2320	Abnormal Psychology
PSYC 2330	Biological Psychology

### Sociology

The Sociology Field of Study applies to baccalaureate programs in Sociology. EPCC does not currently offer an Associate degree in Sociology; however, students may apply these courses to the Associate of Arts in Multidisciplinary Studies.

Sociology Field of Study Courses		
SOCI 1301	Introduction to Sociology	
SOCI 1306	Social Problems	
SOCI 2301	Marriage & the Family	
SOCI 2319	Minority Studies	

### **Teaching**

Similar to a Field of Study, the Associate of Arts in Teaching (AAT) is a Board-approved, specialized lower-division academic degree program designed to transfer in its entirety to a baccalaureate program that leads to initial Texas teacher certification. See the Education section of the catalog for more information about the AAT EC-6, 4-8, EC-12 Special Education program.

For more information on Fields of Study, go to, thecb.state.tx.us and search for "Field of Study Curricula."

Areas of Study 2023-2024

# El Paso Community College Areas of Study

Areas of Study are career-focused categories designed to help students make connections between their academic and career interests. EPCC offers degrees and certificates that fall within eight Areas of Study.

Arts, Humanities, Communication & Design			
AAS-ARTC	Advertising Graphics & Design	pg 68	
C1-ARCC	Advertising Graphics & Design	pg 68	
AA-ARTS	Art	pg 68	
AA-CHIX	Chicanx Studies *	pg 69	
AA-COAP	Communication-Advertising & Public Relations	pg 70	
AA-COMM	Communication-Journalism & Mass Communication	pg 71	
AA-CORT	Communication-Radio & Television Broadcasting- Cinematic Production	pg 72	
AA-DANC	Dance	pg 72	
AA-ENGL	English *	pg 73	
AAS-FSHD	Fashion Technology- Design Option	pg 74	
C1-FSHC	Fashion Technology- Industrial Patternmaking	pg 74	
AAS-FSHN	Fashion Technology- Illustration Option	pg 75	
AAS-FSHM	Fashion Technology- Merchandising Option	pg 75	
AA-AAMS	Multidisciplinary Studies	pg 76	
AA-MUSI	Music *	pg 76	
AA-PHIL	Philosophy	pg 77	
AA-SPCH	Speech Communication	pg 78	
AA-THEA	Theater *	pg 79	

Business			
AAS-ACNT	Accounting	pg 81	
C2-ACCC	Computerized Accounting Applications	pg 81	
AA-BUSI	Accounting, Business, and Economics *	pg 81	
AAS-POFT	Business Management-Office Administration Option	pg 82	
C1-POFC	Business Management-Office Assistant	pg 83	
AAS-RELE	Business Management-Real Estate Option	pg 83	
C1-RELC	Business Management-Real Estate	pg 84	
AAS-BMGT	Business Management-Small Business Management Option	pg 84	
C2-BMGC	Business Management-Small Business Management	pg 85	

Education			
AAS-TEAC	Child Development	pg 87	
C1-CDIT	Infants and Toddlers	pg 87	
C1-CDTA	Teacher Assistant	pg 88	
AAT-EDUC	EC-6, 4-8, EC-12 Special Education	pg 88	
AA-TEED	Teacher Preparation (All Grade Levels)	pg 89	

Health Sciences			
AA-PHED	Kinesiology	pg 91	
C3-HLTH	Border Health Issues	pg 98	
AAS-DNTA	Dental Assisting	pg 98	
C2-DNTC	Dental Assisting	pg 99	
AAS-DHYG	Dental Hygiene	pg 99	
AAS-DMSO	Diagnostic Medical Sonography	pg 100	
C4-DMSB	Diagnostic Medical Sonography	pg 101	
AAS-ECHO	Echocardiography (Adult)	pg 102	
С4-ЕСНС	Echocardiography (Adult)	pg 102	
AAS-EMSP	Emergency Medical Services-Paramedic	pg 103	
C2-EMSC	EMS-Paramedic	pg 104	
C1-EMTC	EMS-Emergency Medical Technician (EMT)	pg 105	
C2-EMAD	EMS-Advanced EMT	pg 105	
С3-ЕМСР	EMS-Community Paramedic	pg 106	
C3-EMFP	EMS-Critical Care/Flight Paramedic	pg 106	
AAS-HIMA	Health Information Management	pg 107	
C2-HIMC	Medical Coding and Billing	pg 108	
C2-MRMT	Medical Transcription	pg 108	
AAS-MDCA	Medical Assisting Technology	pg 109	
C1-MDMA	Administrative Medical Assistant	pg 110	
C2-MDCC	Medical Assisting Technology	pg 110	
AAS-MITR	Medical Imaging Technology-Radiography	pg 111	
AAS-MLAB	Medical Laboratory Technology	pg 111	
AAS-RNSG	Nursing	pg 112	
C2-RNVN	Fundamentals of Nursing	pg 112	
AAS-LVRN	LVN to RN Transition Option	pg 113	
AAS-PHRA	Pharmacy Technology	pg 114	
C2-PHRC	Pharmacy Technology	pg 115	
AAS-PTHA	Physical Therapist Assistant	pg 116	
AAS-RSPT	Respiratory Care Technology	pg 117	
AAS-SRGT	Surgical Technology	pg 117	
C2-VNSG	Vocational Nursing	pg 118	
C2-VCNA	Fundamentals of Vocational Nursing	pg 118	

AA, AAT, and AS degrees transfer to four-year institutions; AAS degrees and Certificates are work-ready programs and typically do not transfer.

<sup>\*</sup> Field of Study Available

2023-2024 Areas of Study

# El Paso Community College Areas of Study *Continued...*

Industry, Manufacturing			
ď	<b>Construction</b>		
AAS-AUMT	Automotive Technology	pg 121	
C1-AUMC	Automotive Technology- One Year	pg 121	
C2-AITY	Automotive Technology- Two Year	pg 122	
C1-AUDT	Driveability Technician	pg 122	
AAS-DFTG	Computer-Aided Design	pg 122	
C1-DFCS	Construction Specialization	pg 123	
C1-DFMS	Mechanical Specialization	pg 123	
C1-CSME	Cosmetology	pg 123	
AAS-CHEF	Culinary Arts	pg 124	
C1-CHEC	Culinary Arts	pg 124	
AAS-PSTR	Culinary Arts - Pastry	pg 125	
C1-PSTC	Pastry	pg 125	
AAS-RSTO	Culinary Arts - Restaurant Management	pg 126	
C1-RSTC	Restaurant Management	pg 126	
AAS-DEMA	Diesel Technology	pg 127	
C1-DMAC	Diesel Mechanic Assistant	pg 127	
C2-DEMR	Diesel Mechanics	pg 127	
C1-ELPT	Electrical Technology	pg 128	
AAS-HART	Heating, Ventilation, and Air Conditioning	pg 128	
C1-HVAC	Residential HVAC Technician	pg 129	
C2-HARC	Heating, Ventilation, and Air Conditioning	pg 129	
AAS-HTEL	Hotel Operations	pg 129	
C1-HTEC	Front Desk Operations	pg 130	
AAS-MAIN	Industrial Maintenance Option	pg 130	
C1-IMMT	Mechanic Technician	pg 131	
C2-RBTC	Robotics and Automation	pg 131	
AAS-MANU	Industrial Manufacturing Option	pg 131	
AAS-INDS	Interior Design Technology	pg 132	
C1-INDC	Personal Design	pg 133	
C2-INKB	Kitchen and Bath Design	pg 133	
C1-MCHN	Machining Technology- CNC Machinist	pg 133	
AAS-RETS	Renewable Energy Technology Systems	pg 134	
C1-REPV	Photovoltaic (PV) Installer	pg 134	
C2-RETC	Renewable Energy Technology Systems	pg 134	
AAS-TRVM	Travel and Tourism	pg 135	
C1-TRVC	Travel Counselor/Airline Reservationist	pg 136	
C1-WELD	Welding	pg 136	

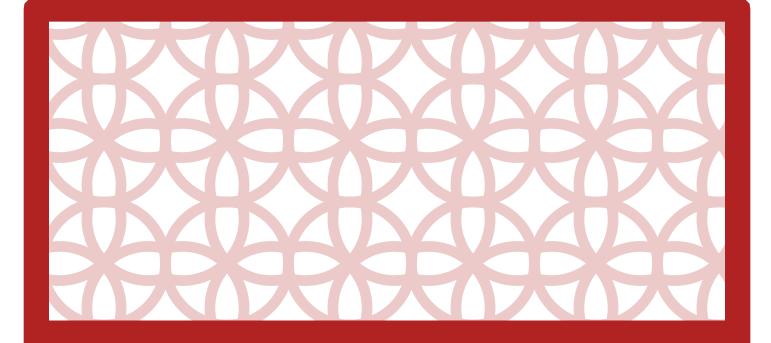
Public Service			
AAS-CRTR	Court Reporting	pg 138	
C2-CRCC	Court Reporting	pg 138	
C1-CMSS	Machine Shorthand Scopist	pg 139	
C2-CART	Realtime Closed Captioning/CART	pg 139	
AA-CRIJ	Criminal Justice *	pg 139	
AAS-CJCR	Criminal Justice Option	pg 140	
C2-LAWE	Law Enforcement	pg 141	
AAS-HMSY	Homeland Security Option	pg 141	
C1-HMSC	Homeland Security	pg 142	
AAS-FIRS	Basic Firefighter Option	pg 142	
C2-FIRC	Basic Firefighter	pg 142	
AAS-FIRT	Fire Science Option	pg 143	
AAS-FIRE	Fire Management	pg 143	
C3-FICC	Fire Inspector	pg 144	
AAS-LGLA	Paralegal	pg 144	
C4-LGLB	Paralegal	pg 145	

STEM			
	ence, Technology		
	gineering & Matl		
AS-ARCH	Architecture *	pg 147	
AS-BIOL	Biological Sciences	pg 147	
AS-CHEM	Chemistry	pg 148	
AA-COSC	Computer Science	pg 148	
AAS-ITSC	Computer Programming	pg 149	
C1-ITEL	Entry-Level Computer Programming	pg 150	
AAS-CYBE	Cyber Security	pg 150	
C1-ITCS	Computer Support Technician A+	pg 151	
AAS-ITIB	Information Technology in Business	pg 151	
C1-ITBC	Information Technology in Business	pg 152	
C1-DSSC	Data Support Specialist	pg 152	
AAS-NETW	Information Networking	pg 152	
C2-CNTC	Cisco Networking Training	pg 153	
C3-ITNC	Networking and Security Technologies	pg 153	
AS-CIVI	Civil Engineering	pg 153	
AS-ECEP	Electrical and Computer Engineering Principles	pg 154	
AS-IASE	Industrial and Systems Engineering	pg 155	
AS-MATE	Materials Engineering	pg 155	
AS-MECH	Mechanical Engineering	pg 156	
AS-GEOL	Geological Sciences	pg 156	
AS-MATH	Mathematics	pg 157	
AS-ASMS	Multidisciplinary Studies in Sciences	pg 157	
AS-PHYS	Physics	pg 158	
AS-PSYS	Psychology *	pg 159	

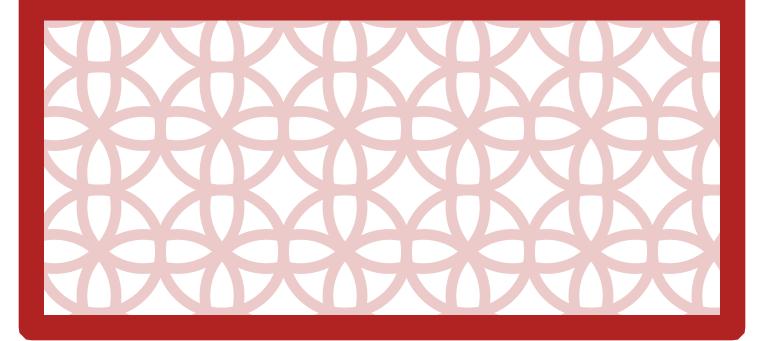
Social & Behavioral Sciences			
AA-PSYC	Psychology *	pg 161	
AAS-SLNG	Sign Language/Interpreter Preparation	pg 161	
C1-SLNC	American Sign Language- Deaf Studies	pg 162	
AAS-SCWK	Social Work	pg 162	
C1-DAAC	Drug /Alcohol Abuse Counseling	pg 163	

 $AA, AAT, and AS \ degrees \ transfer \ to \ four-year \ institutions; AAS \ degrees \ and \ Certificates \ are \ work-ready \ programs \ and \ typically \ do \ not \ transfer.$ 

<sup>\*</sup> Field of Study Available



# Arts, Humanities, Communication & Design



2023-2024 Core Curriculum

# ARTS, HUMANITIES, COMMUNICATION & **DESIGN**

### Advertising Graphics & Design

Associate of Applied Science Degree (AAS-ARTC)

The Associate of Applied Science Degree in Advertising Graphics & Design program follows the professional industry standards of advertising agencies, print shops, and freelance graphic designers. Students prepare for a variety of employment opportunities in Advertising Graphics & Design including advertising agencies, media/entertainment, publishing, printing, and as in-house graphic designers. Students will develop their visual communication and computer graphic skills necessary to move on to the next level. The capstone course for the AAS is ARTC 2335, Portfolio Development for Graphic Design; students will need to contact the Program Coordinator prior to registering for this course.

For more information visit: epcc.edu/Academics/AdvertisingandGraphicDesign

First S	emeste	er Credit H	our
ARTC	1325	Introduction to Computer Graphics	3
ARTC	1327	Typography	3
ARTC	2311	History of Communication Graphics	3

ARTC	1325	Introduction to Computer Graphics	3
ARTC	1327	Typography	3
ARTC	2311	History of Communication Graphics	3
ARTS	1311	Design I (2-Dimensional)	3
ARTS	1316	Drawing I	<u>3</u>
			15

Second	d Seme	ster Credit	Hours
ARTC	1353	Computer Illustration	3
ARTS	1317	Drawing II	3
<b>ENGL</b>	1301	Composition I (C)	3
		Mathematics Elective <sup>1</sup> (C) (MNS)	3
		Social and Behavioral Sciences	
		Elective <sup>2</sup> (C) (SBS)	<u>3</u>
			15

Third S	Semest	er	<b>Credit Hours</b>
ARTC	1302	Digital Imaging I	3
ARTC	1321	Illustration Techniques I	3
ARTV	1303	Basic Animation	3
COMM	2327	Introduction to Advertising	g 3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	<b>Business &amp; Professional</b>	
		Communication (C)	<u>3</u>
			15

Fourth	Seme	ster Credit H	lours
ARTC	1349	Art Direction I	3
ARTC	2301	Illustration Techniques II	3
ARTC	2335	Portfolio Development for Graphic Design	3
ARTC	2340	Computer Illustration II	3
ARTS	1301	Art Appreciation (C) (HFA)	3 15
Total Cr	edit Hour	rs	60

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>2</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, 2301, 2302, GOVT 2305, 2306, HIST 1301, 1302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

### **Advertising Graphics & Design** Certificate

Certificate of Completion (C1-ARCC)

The Certificate of Completion in Advertising Graphics & Design program follows the professional industry standards of advertising agencies, print shops, and freelance graphic designers. Students prepare for a variety of employment opportunities in Advertising advertising & Design agencies, Graphics including media/entertainment, publishing, printing, and as in-house graphic designers. Students will develop their visual communication and computer graphic skills necessary to move on to the next level. The capstone course for the Certificate of Completion is ARTC 2335, Portfolio Development for Graphic Design; students will need to contact the Program Coordinator prior to registering for this course.

For more information visit: epcc.edu/Academics/AdvertisingandGraphicDesign

First S	emeste	r Credit I	lours
ARTC	1302	Digital Imaging I	3
ARTC	1321	Illustration Techniques I	3
ARTC	1325	Introduction to Computer Graphics	3
ARTC	1327	Typography	3
ARTC	1353	Computer Illustration	<u>3</u>
		•	15

Second	d Seme	ster C	redit Hours
ARTC	1349	Art Direction I	3
ARTC	2301	Illustration Techniques II	3
ARTC	2335	Portfolio Development for Gr	raphic
		Design	3
ARTC	2340	Computer Illustration II	3
ARTS	1311	Design I (2-Dimensional)	<u>3</u>
			15
Total Cr	edit Hou	rs ·	30

### Art

Associate of Arts Degree (AA-ARTS)

The two-year Associate of Arts Degree in Art program is designed for individuals interested in pursuing a career in the field of art and/or for expressive personal endeavors by providing fundamental training in the visual arts. Studio coursework provides the opportunity to develop skills in drawing, design, painting, ceramics, sculpture, life drawing, metals, printmaking, and photography. Lecture courses include art history and art appreciation. Upon completion of this degree, students will gain knowledge, skills, and confidence in their abilities to express themselves through the visual arts.

For more information visit: epcc.edu/Academics/Arts

Core Curriculum 2023-2024

First S	<b>Credit Hours</b>		
ARTS	1311	Design I (2-Dimensional)	3
ARTS	1316	Drawing I	3
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I (C)	3
HIST	1301	United States History I(C	<u>3</u>
		•	15

Second	l Seme	ster Credi	t Hours
ARTS	1303	Art History I	
ARTS	1304	(Prehistoric to the 14 <sup>th</sup> Century) (C Art History II (14 <sup>th</sup> Century to the Present) (C)	) <b>or</b> 3
ARTS	1317	Drawing II	3
<b>ENGL</b>	1302	Composition II (C)	3
HIST	1302	United States History II (C)	<u>3</u>
			12

Third S	Semeste	<b>Credit Hours</b>	
ARTS	1301	Art Appreciation (C)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			6

Fourth	<b>Semes</b>	ster Credit H	lours
GOVT	2305	Federal Government	
		(Federal Constitution & Topics) (C)	3
		Mathematics <sup>1</sup> (C)	3
		Life and Physical Sciences <sup>2</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>3</sup>	1
		Art Elective <sup>4</sup>	3
		Elective Option <sup>5</sup>	1
			14

Fifth S	emeste	er Credit H	ours
ARTS	1312	Design II (3-Dimensional)	3
GOVT	2306	Texas Government	
		(Texas Constitution & Topics) (C)	3
		Social and Behavioral Sciences (C)	3
		Life and Physical Sciences <sup>2</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>3</sup>	1
			13

### Total Credit Hours 60

<sup>1</sup>Mathematics: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>2</sup>Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

<sup>3</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

**Art Elective:** Complete one course from ARTS 1303, 1304, 2316, 2317, 2323, 2326, 2333, 2341, 2346, 2347, 2348, 2356, or 2357. Courses may only apply once within the degree plan.

**Elective Option:** Complete one course from ARTS 1303, 1304, 2316, 2317, 2323, 2326, 2333, 2341, 2346, 2347, 2348, 2356, 2357, or any academic course. See the Course Descriptions section for courses with a "**T**." Courses may only apply once within the degree plan.

**Social and Behavioral Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

### **Chicanx Studies**

Associate of Arts Degree (AA-CHIX)

### FIELD OF STUDY IN MEXICAN AMERICAN STUDIES

The Associate of Arts Degree program in Chicanx Studies aims to promote critical understanding of the history, politics, and culture of the Chicanx population in the United States. It encourages and advances the discourse of Chicanx expression and thought as it intersects with a diversity of cultures in contemporary society. The program utilizes an interdisciplinary approach that promotes cultural affirmation, social justice, and community leadership/service.

For more information visit: epcc.edu/Academics/ChicanxStudies

First S	emeste	er Ci	redit Hours
EDUC	1300	Learning Framework(C)	3
ENGL	1301	Composition I (C)	3
HUMA	1305	Introduction to Mexican Ame	rican
		Studies (F)	3
		Life and Physical Sciences <sup>1</sup> (Control of the Control of the Contr	3
		Life and Physical Sciences	
		Laboratory <sup>2</sup>	<u>1</u>
		•	13

Second	l Seme	ster (	Credit Hours
<b>ENGL</b>	1302	Composition II (C)	3
GOVT	2305	Federal Government (Federal	al
		Constitution & Topics) (C)	3
		Mathematics <sup>3</sup> (C)	3
		Life and Physical Sciences <sup>1</sup>	(C) 3
		Life and Physical Sciences	
		Laboratory <sup>2</sup>	<u>1</u>
		-	13

Third :	Semest	er (Summer)	Credit Hours
HIST	1301	United States History I (C)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	<b>Business &amp; Professional</b>	
		Communication (C)	<u>3</u>
			6

Fourth	Seme	ster Credit H	ours
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
HIST	1302	United States History II (C)	3
		Creative Arts <sup>4</sup> (C)	3
		Social and Behavioral Sciences <sup>5</sup> (C)	3
		Elective Option <sup>6</sup>	<u>1</u>
			13

2023-2024 Core Curriculum

Fifth So	emeste	er Credit H	ours
ENGL	2351	Mexican American Literature (CF)	3
GOVT	2311	Mexican American & Latinx Politics	
		(F)	3
HIST	2327	Mexican American History I (to the	
		United States-Mexico War Era) (F)	
		or	
HIST	2328	Mexican American History II (from	
		the United States-Mexico War Era)	
		(F)	3
HUMA	1311	Mexican American Fine Arts	
		Appreciation (F)	3
		Spanish Language Elective <sup>7</sup>	3
			15
Total Cre	dit Hour	rs	60

<sup>1</sup>Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

<sup>3</sup>**Mathematics:** Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>4</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

<sup>5</sup>Social and Behavioral Sciences: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

**Elective Option:** Complete any academic course. See the Course Descriptions section for courses with a "**T**." Courses may only apply once within the degree plan.

<sup>7</sup>Spanish Language Elective: Complete one course from SPAN 2311, 2312, 2313, or 2315.

# Communication - Advertising & Public Relations

Associate of Arts Degree (AA-COAP)

The two-year Associate of Arts Degree in Communication-Advertising & Public Relations teaches students the ins-and-outs of crafting effective messages in the advertising and public relations fields. Throughout the program, students learn to write concisely to grab media attention using images; draft clear press releases; create/edit commercials and print advertisements; develop marketing and promotional campaigns for specialized clients; and speaking in an honest manner that provides information to the public, while protecting and representing potential clients. Upon successful completion of this area, students may begin careers as entry-level advertising representatives and public relations associates, or continue on to a Bachelor's degree in Advertising/PR or General Communication.

COMM 2389: Students must secure an internship before the first day of class. Please contact EPCC Career and Transfer Services to review a list of possible Mass Communication internships at 915-831-2636 or in room S16 of the Student Services Center at the Valle Verde Campus.

For more information visit:

epcc.edu/Academics/MassCommunication

First So	emeste	er Credit	Hours
COMM	1307	Introduction to Mass Communication	on
		(C)	3
EDUC	1300	Learning Framework (C)	3
ENGL	1301	Composition I(C)	3
HIST	1301	United States History I (C)	3
		Mathematics <sup>1</sup> (C)	<u>3</u>
			15

Second	Seme	ster	Credit Hours
COMM	1336	Digital Video Production I	3
COMM	2311	Media Writing	3
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C	<u>3</u>
		•	12

Third S	Semest	er (Summer)	dit Hours
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Communication Elective <sup>2</sup>	3
		Social and Behavioral Sciences <sup>3</sup>	(C) <u>3</u>
			9

Fourth	Seme	ster Credit Ho	ours
COMM	2315	News Reporting or	
COMM	2339	Writing for Radio, Television, & Film	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
		Creative Arts <sup>4</sup> (C)	3
		Life and Physical Sciences <sup>5</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>6</sup>	1
			13

Fifth S	emeste	er Credit l	Hours
COMM	2327	Introduction to Advertising or	
COMM	2330	Introduction to Public Relations	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
		Life and Physical Sciences <sup>5</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>6</sup>	1
		Elective Option <sup>7</sup>	<u>1</u>
			11
Total Cre	edit Hour	rs	60

<sup>1</sup>Mathematics: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>2</sup>Communication Elective: Complete one course from COMM 1316, 2315, 2324, 2327, 2330, 2339, or 2389.

<sup>3</sup>Social and Behavioral Sciences: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>4</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

5Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

Core Curriculum 2023-2024

**Life and Physical Sciences Laboratory:** Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

**Telective Option:** Complete one course from COMM 1316, 2315, 2324, 2327, 2330, 2339, 2389, or any academic course. See Course Descriptions section of catalog for courses with a "**T**." Courses may only apply once within the degree plan.

Students who plan to transfer to the NMSU Journalism and Mass Communication Program are encouraged to enroll in COMM 2315 because it fulfills a core course requirement in the program.

# Communication - Journalism & Mass Communication

Associate of Arts Degree (AA-COMM)

The two-year Associate of Arts Degree in Communication-Journalism & Mass Communication teaches students how to write and cover breaking news events. Students learn how to collect accurate facts, information, and images to write informative, concise, and engaging news stories. In addition, students will learn how to present their information and news stories honestly and effectively to the public. This program builds a solid foundation in journalistic skills, terms, and processes that will benefit students who choose to further their education at universities.

COMM 2389: Students must secure an internship before the first day of class. Please contact EPCC Career and Transfer Services to review a list of possible Mass Communication internships at 915-831-2636 or in room S16 of the Student Services Center at the Valle Verde Campus.

For more information visit:

epcc.edu/Academics/MassCommunication

First Sc	emeste	er Credit Ho	ours
COMM	1307	Introduction to Mass Communication	
		(C)	3
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I(C)	3
HIST	1301	United States History I (C)	3
		Mathematics <sup>1</sup> (C)	<u>3</u>
			15

Second	Seme	ster	<b>Credit Hours</b>
COMM	1316	News Photography I	3
<b>ENGL</b>	1302	Composition II (C)	3
HIST	1302	United States History II (C	) 3
		Creative Arts <sup>2</sup> (C)	3
		Communication Elective <sup>3</sup>	<u>3</u>
			15

Third S	Semest	er (Summer)	<b>Credit Hours</b>
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Elective Option <sup>4</sup>	<u>1</u>
		-	4

Fourth	ster Credit H	lours	
COMM	2311	Media Writing	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
		Social and Behavioral Sciences <sup>5</sup> (C)	3
		Life and Physical Sciences (C)	3
		Life and Physical Sciences	
		Laboratory <sup>7</sup>	<u>1</u>
		-	13

Fifth Se	emeste	er Credit Ho	ours	
COMM	2315	News Reporting or		
COMM	2339	Writing for Radio, Television, & Film	3	
GOVT	2306	Texas Government (Texas		
		Constitution & Topics) (C)	3	
		Life and Physical Sciences (C)	3	
		Life and Physical Sciences		
		Laboratory	1	
		Communication Elective <sup>3</sup>	<u>3</u>	
			13	
Total Credit Hours 60				

<sup>1</sup>Mathematics: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>2</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

<sup>3</sup>Communication Elective: Complete two courses from COMM 1336, 2303, 2315, 2327, 2330, 2339, or 2389.

**Elective Option:** Complete one course from COMM 1336, 2303, 2315, 2327, 2330, 2339, 2389, or any academic course. See Course Descriptions section of catalog for courses with a "**T**." Courses may only apply once within the degree plan.

Students who plan to transfer to the NMSU Journalism and Mass Communication Program are encouraged to enroll in COMM 2315 because it fulfills a core course requirement in the program.

**Social and Behavioral Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

6Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

**Life and Physical Sciences Laboratory:** Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

2023-2024 Core Curriculum

# Communication - Radio & Television Broadcasting/Cinematic Production

Associate of Arts Degree (AA-CORT)

The Associate of Arts Degree in Communication-Radio & Television Broadcasting-Cinematic Production seeks students who thrive in a fast-paced work environment that draws on their creative writing and audio/video talents. Students gain hands-on experience using the tools of their desired trade such as editing software like Photoshop, Adobe Premiere, and Audition; film equipment; and recording equipment. This degree prepares students for careers in journalism and/or entertainment programming.

COMM 2389: Students must secure an internship before the first day of class. Please contact EPCC Career and Transfer Services to review a list of possible Mass Communication internships at 915-831-2636 or in room S16 of the Student Services Center at the Valle Verde Campus.

For more information visit: epcc.edu/Academics/MassCommunication

First So	emeste	er Credit H	lours
COMM	1307	Introduction to Mass Communication	
		(C)	3
EDUC	1300	Learning Framework (C)	3
ENGL	1301	Composition I (C)	3
HIST	1301	United States History I (C)	3
		Mathematics <sup>1</sup> (C)	<u>3</u>
			15

Second Semester			<b>Credit Hours</b>
COMM	2303	Audio Production	3
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C	) 3
		Focus Area Option <sup>2</sup>	3
		Elective Option <sup>3</sup>	<u>1</u>
		-	13

Third S	emest	er (Summer)	<b>Credit Hours</b>
COMM	2366	Film Appreciation (C)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	<b>Business &amp; Professional</b>	
		Communication (C)	<u>3</u>
			6

Fourth Semester Credit H			
COMM	1336	Digital Video Production I	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
		Social and Behavioral Sciences <sup>4</sup> (C)	3
		Life and Physical Sciences <sup>5</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>6</sup>	<u>1</u>
			13

Fifth Semester			dit Hours
COMM	1337	Digital Video Production II	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
		Life and Physical Sciences <sup>5</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>6</sup>	1
		Communication Elective <sup>7</sup>	<u>3</u>
			13
Total Credit Hours			60

<sup>1</sup>Mathematics: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>2</sup>Focus Area Option: Complete one course from Radio-Broadcast Students: COMM 2311

Cinematic Production Students: COMM 2339

<sup>3</sup>Elective Option: Complete one course from COMM 1316, 2311, 2315, 2324, 2327, 2330, 2389, or any academic course. See Course Descriptions section of catalog for courses with a "**T**." Courses may only apply once within the degree plan.

Students who plan to transfer to the NMSU Journalism and Mass Communication Program are encouraged to enroll in COMM 2315 because it fulfills a core course requirement in the program.

**Social and Behavioral Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

5Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

**Life and Physical Sciences Laboratory:** Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

<sup>7</sup>Communication Elective: Complete one course from COMM 1316, 2311, 2315, 2324, 2327, 2330, or 2389.

### **Dance**

### Associate of Arts Degree (AA-DANC)

The Associate of Arts in Dance encompasses the first two years of a 4-year Bachelor's degree in Dance. The Dance program exposes students to a well-rounded curriculum of ballet, modern, ballroom, and jazz dance techniques. It also introduces students to skills in performance, composition, choreography, concert production, and improvisation as well as cultural, historical, and aesthetic aspects of dance. Students have the opportunity to teach and choreograph as well as attend regional, national, and international conferences through the student dance club, Canvas Dance. Professional guest artists from the various career paths are brought in regularly to set choreography and advise students about careers in dance.

For more information visit: epcc.edu/Academics/Dance

First Semester			<b>Credit Hours</b>
DANC	1241	Beginning Ballet	2
DANC	1247	Beginning Jazz Dance	2
EDUC	1300	Learning Framework (C)	3
ENGL	1301	Composition I(C)	3
HIST	1301	United States History I (C)	3
		Mathematics <sup>1</sup> (C)	<u>3</u>
			16

Core Curriculum 2023-2024

60

Second	l Seme	ster Credit	Hours
DANC	1151	Freshman Dance Performance	1
DANC	2241	Intermediate Ballet or	
DANC	2247	Intermediate Jazz Dance	2
DANC	2303	Dance Appreciation (C)	3
<b>ENGL</b>	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
		Language, Philosophy and Culture <sup>2</sup>	
		(C)	<u>3</u>
			15

Third S	Semest	er Credit H	ours
DANC	1110	Tap Dance or	
DANC	1128	Ballroom & Social Dance	1
DANC	1201	Dance Composition-Improvisation	2
DANC	2151	Sophomore Dance Performance	1
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
		Life and Physical Sciences <sup>3</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>4</sup>	1
		Social and Behavioral Sciences <sup>5</sup> (C)	3
			14

Fourth	Seme	ster Credit	Hours
DANC	1245	Beginning Modern Dance	2
DANC	1301	Dance Composition-Choreography	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Life and Physical Sciences <sup>3</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>4</sup>	<u>1</u>
			15

<sup>1</sup>Mathematics: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

**Total Credit Hours** 

<sup>2</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>3</sup>Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

<sup>4</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

**Social and Behavioral Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

## **English**

Associate of Arts Degree (AA-ENGL)

# FIELD OF STUDY IN ENGLISH LANGUAGE & LITERATURE

The Associate of Arts Degree in English provides students with useful skills in written communication and basic skills in the understanding and analysis of literature. Students learn to think, write, and read critically and analytically in our 21st-century society. This is accomplished through rigorous study in Composition, Rhetoric, Literature, and the Humanities. Completing the required core courses and concentrating in courses beyond the core offered through the English discipline will prepare the student for a seamless transfer into a bachelor's degree program at a four-year college or university.

For more information visit: epcc.edu/Academics/English

First Semester (			t Hours
<b>EDUC</b>	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I (CF)	3
HIST	1301	United States History I(C)	3
		Life and Physical Sciences <sup>1</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>2</sup>	<u>1</u>
			13

Second Semester			redit Hours
ENGL	1302	Composition II (CF)	3
HIST	1302	United States History II (C)	3
		$Mathematics^{3}(C)$	3
		Life and Physical Sciences <sup>1</sup> (	<b>C</b> ) 3
		Life and Physical Sciences	
		Laboratory <sup>2</sup>	<u>1</u>
			13

Third S	Semest	er (Summer)	<b>Credit Hours</b>
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		English Option <sup>4</sup>	3
		Elective Option <sup>5</sup>	<u>1</u>
			7

Fourth Semester			Credit Hours
<b>ENGL</b>	2322	British Literature I(CF) or	
<b>ENGL</b>	2323	British Literature II (CF)	3
GOVT	2305	Federal Government (Fede	ral
		Constitution & Topics) (C)	3
		Creative Arts <sup>6</sup> (C)	3
		English Option <sup>4</sup>	3
		English Option <sup>4</sup>	<u>3</u>
			15

Fifth Semester Credit 1			ours	
GOVT	2306	Texas Government (Texas		
		Constitution & Topics) (C)	3	
		Social and Behavioral Sciences <sup>7</sup> (C)	3	
		English Option <sup>4</sup>	3	
		English Option <sup>4</sup>	<u>3</u>	
			12	
Total Cre	Total Credit Hours 60			

2023-2024 Core Curriculum

Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

<sup>2</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

Mathematics: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>4</sup>English Options: Complete five courses from ENGL 2307, 2311, 2322, 2323, 2332, 2333, 2341, or 2351.

ENGL 2322 or 2323 can only be counted once to fulfill the Language, Philosophy, and Culture Block of the Core Curriculum; however, students can complete the other British Literature course not taken to fulfill one of the English Options.

**Elective Option:** Complete any academic course. See the Course Descriptions section for courses with a "**T**." Courses may only apply once within the degree plan.

Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

**Social and Behavioral Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

## Fashion Technology - Design Option

Associate of Applied Science Degree (AAS-FSHD)

The Associate of Applied Science Degree in Fashion Technology-Fashion Design Option prepares students to work in the fashion industry as it relates to the design and manufacture of apparel, garment construction, techniques of pattern development, midmanagement, and wholesale promotion. This two-year program includes the art of pattern design and draping, computer-aided apparel design, clothing construction, manufacturing techniques, advertising and promotion techniques, and illustration techniques. The capstone experience for the AAS Degree for Fashion Design Option is FSHD 2344, Fashion Collection Production and FSHD 2371, Apparel Product Development.

For more information visit: epcc.edu/Academics/FashionTechnology

<b>-</b> 4 . ~		Q 14. TT	
First S	emeste	er Credit H	ours
ENGL	1301	Composition I (C)	3
FSHD	1311	Fashion History	3
FSHN	1301	Textiles	3
FSHN	2305	Fashion Retailing	3
MATH	1324	Mathematics for Business & Social	
		Sciences (C) (MNS) or	
MATH	1332	Contemporary Mathematics	
		(Quantitative Reasoning) (C) (MNS)	<u>3</u>
			15

Second	redit Hours		
ARTS	1301	Art Appreciation (C) (HFA)	or
DRAM	1310	Theater Appreciation (C) (HI	FA) 3
FSHN	1311	Garment Construction	3
FSHN	2303	Fashion Buying	3
SPCH	1321	Business & Professional	
		Communication (C)	3
		Social and Behavioral Science	es
		Elective <sup>1</sup> (C) (SBS)	<u>3</u>
			15

Third Semester			Credit Hours
FSHD	1322	Fashion Sketching	3
FSHD	1328	Flat Pattern Design I	3
FSHD	2343	Fashion Collection Design	3
FSHN	1315	Draping (Apparel and Text	ile
		Marketing Management)	<u>3</u>
			12

Fourth	Seme	ster Credit I	lours
FSHD	1346	Fashion Illustration Media	3
FSHD	2305	Computer Aided Apparel Design	3
FSHD	2306	Draping (Fashion/Apparel Design)	3
FSHD	2344	Fashion Collection Production	3
FSHD	2371	Apparel Product Development	3
FSHN	2301	Fashion Promotion	<u>3</u>
			18
<b>Total Credit Hours</b>			

<sup>1</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, GOVT 2305, PSYC 2301, 2306, or SPCH 1318.

## **Industrial Patternmaking Certificate**

Certificate of Completion (C1-FSHC)

The Certificate of Completion in Industrial Patternmaking provides students with a practical study of the fashion industry as it relates to the creation and production of commercial patterns for apparel manufacturing. The capstone course for the Certificate of Completion is FSHD 2371, Apparel Product Development.

For more information visit: epcc.edu/Academics/FashionTechnology

First S	emeste	er	Credit Hours
FSHD	1322	Fashion Sketching	3
FSHD	1328	Flat Pattern Design I	3
FSHD	2343	Fashion Collection Design	3
FSHN	1301	Textiles	3
FSHN	1315	Draping (Apparel and Text	ile
		Marketing Management)	<u>3</u>
			15

Second	d Seme	ster Credit	Hours
FSHD	1346	Fashion Illustration Media	3
FSHD	2305	Computer Aided Apparel Design	3
FSHD	2306	Draping (Fashion/Apparel Design)	3
FSHD	2344	Fashion Collection Production	3
FSHD	2371	Apparel Product Development	3
<b>FSHN</b>	1311	Garment Construction	3
			18
Total Cr	33		

Core Curriculum 2023-2024

# Fashion Technology - Illustration Option

#### Associate of Applied Science Degree (AAS-FSHN)

The Associate of Applied Science Degree in Fashion Technology-Illustration Option prepares students to work in the fashion industry as it relates to the design and drawing of fashion figures/accessories for advertising, creative design, textile design, product display, and sales promotion. This two-year program includes the study of drawing, layout, advertising and promotion techniques, and fashion illustration techniques. The capstone course for the AAS Degree in Illustration Option is FSHD 1346, Fashion Illustration Media.

For more information visit: epcc.edu/Academics/FashionTechnology

First S	emeste	er Credit H	ours
ENGL	1301	Composition I (C)	3
FSHD	1311	Fashion History	3
FSHN	1301	Textiles	3
FSHN	2305	Fashion Retailing	3
MATH	1324	Mathematics for Business & Social	
		Sciences (C) (MNS) or	
MATH	1332	Contemporary Mathematics	
		(Quantitative Reasoning) (C) (MNS)	<u>3</u>
			15

Second	l Seme	ster Cre	edit Hours
ARTS	1301	Art Appreciation (C) (HFA) or	
DRAM	1310	Theater Appreciation (C) (HFA	3
FSHN	1311	Garment Construction	3
FSHN	2303	Fashion Buying	3
SPCH	1321	Business & Professional	
		Communication (C)	3
		Social and Behavioral Sciences	S
		Elective <sup>1</sup> (C) (SBS)	<u>3</u>
			15

Third S	Semest	er (Summer)	Credit	Hours
MRKG	2349	Advertising and Sales	Promotion	3
				3

Fourth	Semes	ster Credit H	ours
ARTC	1327	Typography <b>or</b>	
ARTC	2311	History of Communication Graphics	3
ARTS	1311	Design I (2-Dimensional)	3
ARTS	1316	Drawing I	3
FSHD	1322	Fashion Sketching	3
FSHD	2343	Fashion Collection Design	3
			15

Fifth S	emeste	er Credit H	Iours
ARTS	1312	Design II (3-Dimensional)	3
FSHD	1346	Fashion Illustration Media	3
FSHN	2301	Fashion Promotion	3
FSHN	2380	Cooperative Education-Apparel and	
		Textile Manufacture or	
		Elective Option <sup>2</sup>	<u>3</u>
			12
Total Cr	edit Hour	°S	60

<sup>1</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, GOVT 2305, PSYC 2301, 2306, or SPCH 1318. <sup>2</sup>Elective Option: Complete one course from BMGT 1305, BUSG 1301, ITSC 1301, MRKG 1311, or POFT 1329.

# Fashion Technology - Merchandising Option

Associate of Applied Science Degree (AAS-FSHM)

The Associate of Applied Science Degree in Fashion Technology-Merchandising Option prepares students to work in the fashion industry as it relates to buying and vending merchandise. This two-year program includes the art of product display, retail store windows, and counter arrangement, advertising and promotion techniques; and mid-management techniques involving wholesaling, retailing, sales promotion and dollar unit planning using merchandising mathematics. The capstone course for the AAS Degree in Merchandising Option is FSHN 2301, Fashion Promotion.

For more information visit: epcc.edu/Academics/FashionTechnology

First S	emeste	er Credit H	ours
ENGL	1301	Composition I (C)	3
FSHD	1311	Fashion History	3
FSHN	1301	Textiles	3
FSHN	2305	Fashion Retailing	3
MATH	1324	Mathematics for Business & Social	
		Sciences (C) (MNS) or	
MATH	1332	Contemporary Mathematics	
		(Quantitative Reasoning) (C) (MNS)	<u>3</u>
			15

Second	l Seme	ster Cre	dit Hours
ARTS	1301	Art Appreciation (C) (HFA) or	
DRAM	1310	Theater Appreciation (C) (HFA	) 3
FSHN	1311	Garment Construction	3
FSHN	2303	Fashion Buying	3
SPCH	1321	Business & Professional	
		Communication (C)	3
		Social and Behavioral Sciences	
		Elective <sup>1</sup> (C) (SBS)	<u>3</u>
			15

Third S	Semest	er (Summer)	<b>Credit Hours</b>
ITSC	1301	Introduction to Computers	<u>3</u>
			2

Fourth	Seme	ster C	Credit Hours
ACCT	2301	Principles of Financial Acco	ounting <b>or</b>
ACNT	1303	Introduction to Accounting	I 3
ARTS	1311	Design I (2-Dimensional)	3
FSHD	2343	Fashion Collection Design	3
ITSW	2334	Advanced Spreadsheets	3
MRKG	1311	Principles of Marketing	<u>3</u>
			15

Fifth S	emeste	er Credit H	ours
FSHN	2301	Fashion Promotion	3
FSHN	2382	Cooperative Education-Fashion	
		Merchandising or	
		Elective Option <sup>2</sup>	3
IBUS	1305	Introduction to International Business	
		and Trade	3
MRKG	2349	Advertising and Sales Promotion	<u>3</u>
			12
Total Cre	edit Hou	rs ·	60

<sup>1</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, GOVT 2305, PSYC 2301, 2306, or SPCH 1318. <sup>2</sup>Elective Option: Complete one course from BMGT 1305, BUSG 1301, or BUSI 1301. 2023-2024 Core Curriculum

## **Multidisciplinary Studies**

Associate of Arts Degree (AA-AAMS)

The Associate of Arts Degree in Multidisciplinary Studies teaches students a broad array of subjects to develop skills such as communication, critical-thinking, and research. This program prepares graduates for transfer to Bachelor's Degree programs by introducing a broad base of concepts in the humanities, social/behavioral sciences, mathematics, and natural/physical sciences. Graduates receiving the AA Degree in Multidisciplinary Studies will be prepared for further study at the university level in the performing arts, service professions, and related fields to seek entrylevel jobs in various industries.

For more information visit: epcc.edu/Academics/MultidisciplinaryStudies

First S	emeste	er Cr	edit Hours
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I (C)	3
HIST	1301	United States History I (C)	3
		Life and Physical Sciences <sup>1</sup> (C	3
		Life and Physical Sciences	
		Laboratory <sup>2</sup>	<u>1</u>
			13

Second Semester		ster (	Credit Hours
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
		Mathematics <sup>3</sup> (C)	3
		Life and Physical Sciences <sup>1</sup>	(C) 3
		Life and Physical Sciences	
		Laboratory <sup>2</sup>	<u>1</u>
		-	13

Third	Semest	er (Summer)	<b>Credit Hours</b>
SPCH	1315	Public Speaking (C) or	
SPCH	1321	<b>Business &amp; Professional</b>	
		Communication (C)	3
		Language, Philosophy, ar	nd
		Culture <sup>4</sup> (C)	3
		Elective Option <sup>5</sup>	3
		Elective Option <sup>5</sup>	<u>3</u>
			12

Fourth Semester			redit Hours
GOVT	2305	Federal Government (Federa	ıl
		Constitution & Topics) (C)	3
		Elective Option <sup>5</sup>	3
		Elective Option <sup>5</sup>	3
		Creative Arts <sup>6</sup> (C)	<u>3</u>
			12

Fifth S	emeste	er Credit H	ours
GOVT	2306	Texas Government (Texas Constitution & Topics) (C) Elective Option <sup>5</sup> Elective Option <sup>5</sup> Social and Behavioral Sciences <sup>7</sup> (C)	3 3 1 3 10
Total Credit Hours			60

Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

<sup>2</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

<sup>3</sup>Mathematics: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>4</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

**Elective Options:** Complete 16 credit hours of any academic course. See the Course Descriptions section for courses with a "**T**." Courses may only apply once within the degree plan.

<sup>6</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

**Social and Behavioral Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

#### Music

Associate of Arts Degree (AA-MUSI)

#### FIELD OF STUDY IN MUSIC

The Associate of Arts in Music is designed for individuals interested in pursuing a career in the field of music and covers the first two years of a four-year Bachelor's Degree in Music. Students planning to transfer to a four-year institution should check the degree requirements of the institution to which they plan to transfer and see an advisor. The Field of Study provides a balanced program, including music theory, ear-training, music history (literature), applied music, and performance ensembles. The prospective music major should complete 31-credit hours in all five parts of the Field of Study. Any student interested in completing the Field of Study in Music should work closely with the Music Program Coordinator.

Due to Music program requirements, students may not complete all Core Curriculum Blocks at EPCC. If necessary, students may complete the remaining Core Curriculum Blocks at the receiving university.

**Important Information for Music Students:** 

- Students will be evaluated for instrument proficiency by the Music Program Coordinator. Students needing remedial work with their principal instrument will be placed into MUAP 11XX, Introduction to Individual Instruction, in their first and second semesters. These two courses will be the equivalent to the first semester MUAP 12XX course.
- Students must demonstrate piano proficiency through exams that will be administered by the Music Department.

For more information visit: epcc.edu/Academics/Music

**Core Curriculum** 2023-2024

First Sc	emester	Credit H	ours
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I (C)	3
MUAP	12XX	Individual Instruction <sup>1</sup> (F)	2
MUEN	11XX	Ensemble Course <sup>2</sup> (F)	1
MUSI	1116	Sight Singing & Ear Training I (F)	1
MUSI	1181	Piano Class I	1
MUSI	1311	Music Theory I (F)	<u>3</u>
		•	14

Second	l Semes	ter Credit H	ours
HIST	1301	United States History I (C)	3
MUAP	12XX	Individual Instruction <sup>1</sup> (F)	2
MUEN	11XX	Ensemble Course <sup>2</sup> (F)	1
MUSI	1117	Sight Singing & Ear Training II (F)	1
MUSI	1182	Piano Class II	1
MUSI	1306	Music Appreciation (C)	3
MUSI	1312	Music Theory II (F)	<u>3</u>
			14

Third Semester (Summer)			<b>Credit Hours</b>
<b>ENGL</b>	1302	Composition II (C)	3
HIST	1302	United States History l	II (C) <u>3</u>
			6

Fourth	Semes	ter Credit Ho	ours
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
MATH	1324	Mathematics for Business & Social	
		Sciences (C) or	
MATH	1332	Contemporary Mathematics	
		(Quantitative Reasoning) (C)	3
MUAP	22XX	Individual Instruction <sup>1</sup> (F)	2
MUEN	21XX	Ensemble Course <sup>2</sup> (F)	1
MUSI	2116	Sight Singing & Ear Training III (F)	1
MUSI	2311	Music Theory III (F)	3
			13

Fifth Semester		Credit Ho	ours
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
MUAP	22XX	Individual Instruction <sup>1</sup> (F)	2
MUEN	21XX	Ensemble Course <sup>2</sup> (F)	1
MUSI	2117	Sight Singing & Ear Training IV (F)	1
MUSI	2312	Music Theory IV (F)	3
MUSI	1307	Music Literature (F)	<u>3</u>
			13
Total Credit Hours			

<sup>1</sup>Individual Instruction (MUAP): Complete 8 credit hours of MUAP courses. Students must complete these 8 credit hours in the same instrument.

Strings: MUAP (1101 and 1102 or 1201), 1202, 2201, and 2202. Woodwind: MUAP (1117 and 1118 or 1217), 1218, 2219, and

Brass: MUAP (1137 and 1138 or 1237), 1238, 2239, and 2240. Percussion: MUAP (1157 and 1158 or 1257), 1258, 2259, and

Guitar: MUAP (1161 and 1162 or 1261), 1262, 2261, and 2262. Keyboard: MUAP (1165 and 1166 or 1265), 1266, 2267, and

Voice: MUAP (1181 and 1182 or 1281), 1282, 2283, and 2284.

<sup>2</sup>Ensemble Courses (MUEN): Complete 4 courses from ONE ensemble area. Students must complete these 4 courses in the same ensemble area.

Concert Band: MUEN 1121, 1122, 2121, and 2122. Orchestra: MUEN 1123, 1124, 2123, and 2124. Mariachi: MUEN 1131, 1132, 2131, and 2132.

Guitar Ensemble: MUEN 1133, 1134, 2133, and 2134. **Percussion Ensemble:** MUEN 1135, 1136, 2135, and 2136. Jazz Ensemble: MUEN 1137, 1138, 2137, and 2138. Chorus: MUEN 1141, 1142, 2141, and 2142.

## Philosophy

## Associate of Arts Degree (AA-PHIL)

The two-year Associate of Arts Degree in Philosophy prepares students to transfer directly into a Bachelor's Degree program in Philosophy at a four-year institution. Students are responsible for completing all prerequisite courses within the program. Students planning to transfer to four-year institutions should check the degree requirements of the college or university to which they plan to transfer. Arts degrees (Associate of Arts, Bachelor of Arts, and Master of Arts) are generally recommended for individuals interested in theoretical applications or service-focused careers; however, these options are not restricted to the Arts degree. The Philosophy Program is designed to give individuals a solid foundation in critical thinking that can be applied to a wide variety of professions and fields of study. Regardless of the intellectual and professional interests of the student, he or she will find philosophy relevant and useful in business, technology, medicine, law, science, mathematics, and the humanities.

For more information visit: epcc.edu/Academics/Philosophy

First Semester			edit Hours
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I(C)	3
HIST	1301	United States History I(C)	3
PHIL	1301	Introduction to Philosophy (C)	3
		Life and Physical Sciences <sup>1</sup> (C	) 3
		Life and Physical Sciences	
		Laboratory <sup>2</sup>	<u>1</u>
			16

Second	d Seme	ster Cre	dit Hours
<b>ENGL</b>	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
PHIL	2306	Introduction to Ethics (C)	3
		Mathematics <sup>3</sup> (C)	3
		Life and Physical Sciences <sup>1</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>2</sup>	<u>1</u>
			16

Third S	Semest	er Credit	Hours
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
PHIL	2303	Introduction to Formal Logic (C)	3
PHIL	2307	Introduction to Social & Political	
		Philosophy	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Philosophy Elective <sup>4</sup>	<u>3</u>
			15

2023-2024 Core Curriculum

Fourth	Seme:	ster Credit H	lours
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
PHIL	2321	Philosophy of Religion	3
		Social and Behavioral Sciences <sup>5</sup> (C)	3
		Creative Arts <sup>6</sup> (C)	3
		Elective Option <sup>7</sup>	<u>1</u>
			13
Total Cr	Total Credit Hours		

<sup>1</sup>Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

<sup>2</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

Mathematics: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

Philosophy Elective: Complete one course from PHIL 1304 or 2316.

**Social and Behavioral Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>6</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

**Elective Option:** Complete one course from PHIL 1304, 2316, or any academic course. See the Course Descriptions section for courses with a "**T**." Courses may only apply once within the degree plan.

# **Speech Communication**

Associate of Arts Degree (AA-SPCH)

Effective Speech Communication is an art and a skill that empowers individuals to succeed in personal and professional endeavors. Oral & written communication skills are integral elements in academic, professional, technical, & personal/social facets of one's life. Coursework in the Associate of Arts in Speech Communication is intended to provide students with heightened self-awareness, dynamic presentational, persuasive, and interpersonal skills. The skills learned in this program help promote career attainment, develop/enrich personal relationships, enhance the ability to apply critical-thinking and performance skills, increase technical proficiency, and deepen sensitivity toward multiculturalism.

For more information visit: epcc.edu/Academics/SpeechCommunication

First Semester			<b>Credit Hours</b>
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I(C)	3
HIST	1301	United States History I(C)	3
SPCH	1311	Introduction to Speech	
		Communication	3
		Mathematics <sup>1</sup> (C)	<u>3</u>
			15

Second	l Seme	ster Credit 1	Hours
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
SPCH	1315	Public Speaking (C)	3
		Language, Philosophy, and Culture <sup>2</sup>	
		(C)	3
		Life and Physical Sciences <sup>3</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>4</sup>	<u>1</u>
			16

Third S	Semest	er (	Credit Hours
GOVT	2305	Federal Government (Federal	al
		Constitution & Topics) (C)	3
SPCH	1321	Business & Professional	
		Communication (C)	3
SPCH	2333	Discussion & Small Group	
		Communication	3
SPCH	2341	Oral Interpretation	3
		Creative Arts <sup>5</sup> (C)	<u>3</u>
			15

Fourth	Seme:	ster Credit	t Hours
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
SPCH	1318	Interpersonal Communication (C)	3
SPCH	2335	Argumentation & Debate	3
		Life and Physical Sciences <sup>3</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>4</sup>	1
		Elective Option <sup>6</sup>	<u>1</u>
			14
Total Cr	odit Hom	re	60

<sup>1</sup>**Mathematics:** Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>2</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

³Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

<sup>4</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

<sup>5</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

**Elective Option:** Complete any academic course. See the Course Descriptions section for courses with a "**T**." Courses may only apply once within the degree plan.

Core Curriculum 2023-2024

#### Theater

#### Associate of Arts Degree (AA-THEA)

The two-year Associate of Arts Degree in Theater prepares students to transfer directly into a Bachelor's Degree program in Drama and/or Theater Arts at a four-year institution. This program provides graduates with the necessary understanding and appreciation of the basic theories and practices associated with theatrical performance.

For more information visit: epcc.edu/Academics/Theater

First So	emeste	r	<b>Credit Hours</b>
DRAM	1310	Theater Appreciation (C)	3
DRAM	1351	Acting I	3
EDUC	1300	Learning Framework (C)	3
ENGL	1301	Composition I (C)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			15

Second Semester (			<b>Credit Hours</b>
DRAM	1120	Theater Practicum I	1
DRAM	1352	Acting II	3
ENGL	1302	Composition II (C)	3
HIST	1301	United States History I(C)	) 3
		Mathematics <sup>1</sup> (C)	<u>3</u>
			13

Third S	Semest	er (Summer)	Hours
HIST	1302	United States History II (C)	3
		Social and Behavioral Sciences <sup>2</sup> (C)	<u>3</u>
			6

Fourth	Seme	ster Cr	edit Hours
DRAM	1121	Theater Practicum II	1
DRAM	1330	Stagecraft I	3
PHIL	1301	Introduction to Philosophy (C)	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
		Life and Physical Sciences <sup>3</sup> (C	) 3
		Life and Physical Sciences	
		Laboratory <sup>4</sup>	<u>1</u>
			14

Fifth S	emeste	er Cre	edit Hours
DRAM	2120	Theater Practicum III	1
DRAM	2331	Stagecraft II	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
		Life and Physical Sciences <sup>3</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>4</sup>	1
		Elective Option <sup>5</sup>	<u>1</u>
			12
Total Credit Hours			60

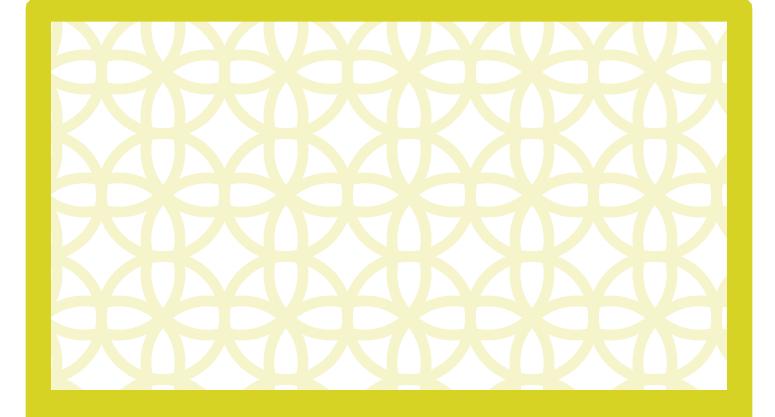
<sup>&</sup>lt;sup>1</sup>Mathematics: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>3</sup>Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

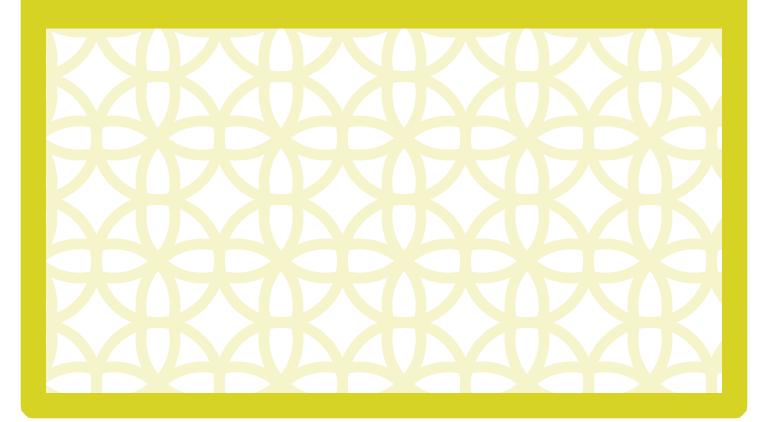
<sup>4</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

<sup>5</sup>Elective Option: Complete one course from DRAM 2121, 2355, 2361, or any academic course. See the Course Descriptions section for courses with a "T." Courses may only apply once within the degree plan.

**Social and Behavioral Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.



# Business



Core Curriculum 2023-2024

## **BUSINESS**

## Accounting

Associate of Applied Science Degree (AAS-ACNT)

The Associate of Applied Science Degree in Accounting prepares students to enter the Accounting profession at an Accounting Technician position. The two-year program emphasizes internal accounting procedures and Generally Accepted Accounting Principles (GAAP) as they apply to external reporting. The program of study allows students the option to strengthen their overall education and to select accounting electives in their area of special interest or job opportunity. The capstone course for the AAS Degree is ACNT 2302, Accounting Capstone.

For more information visit: epcc.edu/Academics/Accounting

First S	emeste	er Credit Ho	ours
ACCT	2301	Principles of Financial Accounting	3
ACNT	1303	Introduction to Accounting I	3
ACNT	1329	Payroll and Business Tax Accounting	3
BCIS	1305	Business Computer Applications	3
		Mathematics Elective (C) (MNS)	<u>3</u>
			15

Second	d Seme	ster Credit H	ours
ACCT	2302	Principles of Managerial Accounting	3
ACNT	1304	Introduction to Accounting II	3
ACNT	1311	Introduction to Computerized	
		Accounting	3
ACNT	1313	Computerized Accounting	
		Applications	3
<b>ENGL</b>	1301	Composition I (C)	<u>3</u>
		-	15

Third S	Semest	er Credit H	ours
ACNT	1331	Federal Income Tax: Individual	3
ACNT	2303	Intermediate Accounting I	3
ACNT	2380	Cooperative Education-Accounting I	3
<b>ECON</b>	2301	Principles of Macroeconomics (C)	
		(SBS)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			15

Fourth	Seme	ster Credit Ho	ours
ACNT	1305	Forensic Accounting or	
ACNT	2381	Cooperative Education-Accounting II	3
ACNT	2302	Accounting Capstone	3
<b>ECON</b>	2302	Principles of Microeconomics (C)	
		(SBS)	3
ITSW	2334	Advanced Spreadsheets	3
		Humanities or Fine Arts Elective <sup>2</sup> (C)	
		(HFA)	<u>3</u>
			15
Total Cr	edit Hou	rs	60

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1324 (preferred), 1314, 1342, 2314, 2412, or 2413.

**Humanities or Fine Arts Elective:** Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, ENGL 2322, 2323, 2332, 2333, 2341, 2351, DANC 2303, DRAM 1310, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

# Computerized Accounting Applications Certificate

Certificate of Completion (C2-ACCC)

The Computerized Accounting Applications Certificate of Completion prepares students to enter the Accounting profession at an entry-level Bookkeeping/Accounting Technician position. The one-year program emphasizes internal accounting procedures and Generally Accepted Accounting Principles (GAAP) as they apply to external reporting. The capstone course for the Certificate of Completion is ACNT 1313, Computerized Accounting Applications.

For more information visit: epcc.edu/Academics/Accounting

First S	emeste	r Credit Ho	ours
ACCT	2301	Principles of Financial Accounting	3
ACNT	1303	Introduction to Accounting I	3
ACNT	1329	Payroll and Business Tax Accounting	3
BCIS	1305	Business Computer Applications	3
		Mathematics Elective <sup>1</sup> (C)	<u>3</u>
			15

Second	d Seme	ster Credit H	ours	
ACCT	2302	Principles of Managerial Accounting	3	
ACNT	1304	Introduction to Accounting II	3	
ACNT	1311	Introduction to Computerized		
		Accounting	3	
ACNT	1313	Computerized Accounting		
		Applications	3	
<b>ENGL</b>	1301	Composition I (C)	<u>3</u>	
			15	
Total Cr	Total Credit Hours			

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1324 (preferred), 1314, 1342, 2314, 2412, or 2413.

# Accounting, Business, & Economics

Associate of Arts Degree (AA-BUSI)

# FIELD OF STUDY IN BUSINESS ADMINISTRATION AND MANAGEMENT

The Associate of Arts in Accounting, Business, and Economics prepares students to transfer directly into a Bachelor's Degree program in Accounting, Business, and/or Economics and enter into a wide variety of careers in those industries.

#### BCIS 1305 or MATH 1325 Option:

- Students planning to transfer to a Texas public university are encouraged to enroll in BCIS 1305 to complete the Field of Study in Business Administration.
- If transferring to UTEP, students are encouraged to enroll in MATH 1325 to meet UTEP's College of Business Administration program requirements.

2023-2024 Core Curriculum

For more information visit:

epcc.edu/Academics/AccountingBusinessandEconomics

First S	emeste	er Credit I	Hours
BUSI	1301	Business Principles (F)	3
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I (C)	3
HIST	1301	United States History I(C)	3
MATH	1324	Mathematics for Business & Social	
		Sciences (CF)	<u>3</u>
			15

Second	d Seme	ster Credit	Hours
<b>ECON</b>	2301	Principles of Macroeconomics (CF)	3
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
		Life and Physical Sciences <sup>1</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>2</sup>	1
		Creative Arts <sup>3</sup> (C)	<u>3</u>
			16

Third S	Semest	er Credit Ho	urs
ACCT	2301	Principles of Financial Accounting (F)	3
BCIS	1305	Business Computer Applications (F)	
		or	
MATH	1325	Calculus for Business & Social	
		Sciences	3
ECON	2302	Principles of Microeconomics (CF)	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
		Life and Physical Sciences <sup>1</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>2</sup>	1
			16

Fourth	Seme	ster Credit H	ours
ACCT	2302	Principles of Managerial Accounting	
		(F)	3
BUSI	2305	Business Statistics (F)	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
		Language, Philosophy, and Culture <sup>4</sup>	
		(C)	3
		Elective Option <sup>5</sup>	<u>1</u>
			13

**Total Credit Hours** 

<sup>1</sup>Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

<sup>2</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

<sup>3</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

**Language, Philosophy, and Culture:** Complete one course from PHIL 2306 (preferred), ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, SPAN 2311, 2313, or 2315.

**Elective Option:** Complete one course from SPCH 1315, 1321 (preferred), or any academic course. See the Course Descriptions section for courses with a "T." Courses may only apply once within the degree plan.

## Business Management - Office Administration Option

Associate of Applied Science Degree (AAS-POFT)

The Associate of Applied Science Degree in Business Management-Office Administration Option prepares students to work in an office as an administrative assistant, executive secretary, or word processor. Students will be exposed to the latest technology and challenges affecting the profession and increased job responsibility in general office management. During their first year of study, students acquire a broad range of general business, office, and computer skills. In their second year, students develop their communication skills and enhance their knowledge of software, business practices, and the use of technology in the business environment. This program also offers a Certificate of Completion and prepares students to take Microsoft Office Specialist certification exams. These exams are global certifications that validate students' Microsoft Office program skills. To be certified, an exam must be taken from a third-party testing company. The program of study allows students the option to strengthen their overall education and to select business electives in their area of special interest of job opportunity. The Office Administration Option offers a Two-Year Associate of Applied Science Degree or a One-Year Certificate of Completion. The capstone course for the AAS Degree in Business Management-Office Administration Option is POFT 1309, Administrative Office Procedures I.

This degree transfers to many institutions in Texas and New Mexico that offer Bachelor of Applied Science Technology degrees. A few of the four-year institutions are New Mexico State University, Texas A&M at Commerce, and University of North Texas. Please check with the transferring institution on the transferability and applicability of courses.

For more information visit: epcc.edu/Academics/BusinessManagement

First S	emeste	r Credit Ho	ours
ACCT	2301	Principles of Financial Accounting (F)	
		or	
ACNT	1303	Introduction to Accounting I	3
BCIS	1305	Business Computer Applications (F)	3
BUSI	1301	Business Principles (F)	3
<b>ECON</b>	2301	Principles of Macroeconomics (CF)	
		(SBS)	3
PHIL	2303	Introduction to Formal Logic (C)	
		(HFA)	3
			15

Core Curriculum 2023-2024

Second	d Seme	ster Credit Ho	ours
ACCT	2302	Principles of Managerial Accounting	
		(F) or	
ACNT	1313	Computerized Accounting	
		Applications	3
ECON	2302	Principles of Microeconomics (CF)	
		(SBS)	3
ENGL	1301	Composition I (C)	3
IBUS	1305	Introduction to International Business	
		and Trade	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			15

Third S	Semest	er (Summer) Credit	Hours
POFT	1329	Beginning Keyboarding	3
		Mathematics Elective (C) (MNS)	<u>3</u>
			6

Fourth	Semes	ster Credit Ho	ours
POFI	1104	Computer Fundamentals	1
POFI	1270	Introduction to Microsoft PowerPoint	2
POFI	1349	Spreadsheets	3
POFI	2301	Word Processing	3
POFT	1301	Business English	<u>3</u>
			12

Fifth S	emeste	er Credit Ho	ours
BMGT	1341	Business Ethics	3
POFI	2350	Databases	3
POFT	1309	Administrative Office Procedures I	3
POFT	2380	Cooperative Education-Administrative	
		Assistant and Secretarial Science,	
		General	<u>3</u>
			12
Total Cro	edit Hour	rs.	60

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

### Office Assistant Certificate

#### Certificate of Completion (C1-POFC)

The Certificate of Completion in Business Management-Office Assistant prepares students to work in an office as an administrative assistant, executive secretary, or word processor. Students completing the first two semesters of the Business Management-Office Administration Option will earn an Office Assistant Certificate of Completion. This certificate prepares students to apply their skills in an automated office environment. Students develop skills in keyboarding, databases, spreadsheets, web page design, PowerPoint, and word processing. This certificate prepares students to take Microsoft Office Specialist certification exams. These exams are global certifications that validate students' Microsoft Office program skills. To be certified, an exam must be taken from a third-party testing company. The Office Administration Option offers a Two-Year Associate of Applied Science Degree or a One-Year Certificate of Completion. The capstone course for the Certificate of Completion is POFT 2380, Cooperative Education-Administrative Assistant and Secretarial Science, General.

For more information visit:

epcc.edu/Academics/BusinessManagement

First S	emeste	r (Summer) Credit Ho	urs
POFT	1329	Beginning Keyboarding	$\frac{3}{3}$
			3
Second	l Seme	ster Credit Ho	urs
POFI	1104	Computer Fundamentals	1
POFI	1270	Introduction to Microsoft PowerPoint	2
POFI	1349	Spreadsheets	3
POFI	2301	Word Processing	3 <u>3</u> <b>12</b>
POFT	1301	Business English	3
			12
Third S	Semest	er Credit Ho	urs
BMGT	1341	Business Ethics	3
POFT	1309	Administrative Office Procedures I	3
POFT	2380	Cooperative Education-Administrative	
		Assistant and Secretarial Science,	
		General	3

## Business Management - Real Estate Option

24

Associate of Applied Science Degree (AAS-RELE)

The Associate of Applied Science Degree in Business Management-Real Estate Option prepares individuals to enter the job market as Real Estate Agents. Students who have completed the AAS program will be fully prepared to take the exam for a Texas Real Estate Agent License. The Two-Year program emphasizes practices in owning, operating, and working in a small real estate business. The program of study allows students the option to strengthen their overall education and to select business electives in their area of special interest. The Business Management-Real Estate Option offers a Two-Year Associate of Applied Science Degree or a One-Year Certificate of Completion. The capstone course for the AAS is BUSG 2309, Small Business Management/Entrepreneurship.

For more information visit:

**Total Credit Hours** 

epcc.edu/Academics/BusinessManagement

First S	emeste	r Credit H	ours
ACCT	2301	Principles of Financial Accounting	
		(F) or	
ACNT	1303	Introduction to Accounting I	3
BCIS	1305	Business Computer Applications (F)	3
BUSI	1301	Business Principles (F)	3
ECON	2301	Principles of Macroeconomics (CF)	
		(SBS)	3
PHIL	2303	Introduction to Formal Logic (C)	
		(HFA)	3
			15

2023-2024 Core Curriculum

Second	d Seme	ster Credit Ho	ours
ACCT	2302	Principles of Managerial Accounting	
		(F) or	
ACNT	1313	Computerized Accounting	
		Applications	3
ECON	2302	Principles of Microeconomics (CF)	
		(SBS)	3
ENGL	1301	Composition I (C)	3
IBUS	1305	Introduction to International Business	
		and Trade	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
			15

Third Semester			<b>Credit Hours</b>
BUSI	2305	Business Statistics (F)	3
RELE	1300	Contract Forms and Adden	da 3
RELE	1301	Principles of Real Estate I	3
RELE	1309	Real Estate Law	3
RELE	1319	Real Estate Finance	<u>3</u>
			15

Fourth	Semes	ster Credit	Hours
BUSG	2309	Small Business Management/	
		Entrepreneurship	3
RELE	1311	Law of Contracts	3
RELE	1338	Principles of Real Estate II	3
RELE	2301	Law of Agency	3
		Mathematics Elective (C) (MNS)	<u>3</u>
			15

Total Credit Hours 60

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

### **Real Estate Certificate**

#### Certificate of Completion (C1-RELC)

The Certificate of Completion in Business Management-Real Estate prepares students to enter the job market as Real Estate Agents. Students completing this certificate program will be fully prepared to take the exam for a Texas Real Estate Agent License. The two-year program emphasizes practices in owning, operating, and working in a small real estate business. The Business Management-Real Estate Option offers a Two-Year Associate of Applied Science Degree or a One-Year Certificate of Completion. The capstone course for the Certificate of Completion is RELE 1338, Principles of Real Estate II.

For more information visit: epcc.edu/Academics/BusinessManagement

**Total Credit Hours** 

First S	emeste	er C	redit Hours
RELE	1300	Contract Forms and Addenda	a 3
RELE	1301	Principles of Real Estate I	3
RELE	1309	Real Estate Law	3
RELE	1319	Real Estate Finance	<u>3</u>
			12

Second	l Seme	ster	<b>Credit Hours</b>
RELE	1311	Law of Contracts	3
RELE	1338	Principles of Real Estate I	I 3
RELE	2301	Law of Agency	<u>3</u>
			9

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# Business Management - Small Business Management Option

Associate of Applied Science Degree (AAS-BMGT)

The Associate of Applied Science Degree in Business Management-Small Business Management Option trains students to enter a wide range of management fields. The program provides students with management skills needed in today's changing workplace. Students are introduced to global trade, E-Business/Commerce, labor relations, and relationships in the workplace. The program of study allows students to strengthen their overall education and select business electives in their area of special interest. The Small Business Management Option offers a Two-Year Associate of Applied Science Degree or a One-Year Certificate of Completion. The capstone course for the AAS Degree is BUSG 2309, Small Business Management/Entrepreneurship.

For more information visit:

epcc.edu/Academics/BusinessManagement

First S	emeste	er Credit Ho	ours
ACCT	2301	Principles of Financial Accounting (F)	
		or	
ACNT	1303	Introduction to Accounting I	3
BCIS	1305	Business Computer Applications (F)	3
BUSI	1301	Business Principles (F)	3
ECON	2301	Principles of Macroeconomics (CF)	
		(SBS)	3
PHIL	2303	Introduction to Formal Logic (C)	
		(HFA)	<u>3</u>
			15

Second	d Seme	ster Credit Ho	ours
ACCT	2302	Principles of Managerial Accounting (F) or	
ACNT	1313	Computerized Accounting	
		Applications	3
ECON	2302	Principles of Microeconomics (CF)	
		(SBS)	3
ENGL	1301	Composition I (C)	3
IBUS	1305	Introduction to International Business	
		and Trade	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
			15

Third S	Semest	er Credit	Hours
BMGT	1305	Communications in Management	3
BUSI	2305	Business Statistics (F)	3
HRPO	2301	Human Resources Management	3
MRKG	1311	Principles of Marketing	3
		Mathematics Elective <sup>1</sup> (C) (MNS)	<u>3</u>
			15

Fourth	Seme	ster Credit 1	Hours
BMGT	1341	Business Ethics	3
BMGT	2382	Cooperative Education-Business Administration and Management,	
		General I	3
BUSG	2305	Business Law/Contracts	3
BUSG	2309	Small Business	
		Management/Entrepreneurship	3
MRKG	2349	Advertising and Sales Promotion	<u>3</u>
			15
Total Cre	edit Hou	rs	60

Core Curriculum 2023-2024

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

## Small Business Management Certificate

#### Certificate of Completion (C2-BMGC)

The Certificate of Completion in Business Management-Small Business Management prepares students to acquire skills needed as an entry-level manager. Students will be prepared and exposed to several fields such as human resources, international business, and marketing. The program of study allows students the option to strengthen their overall education and to select business electives in their area of special interest. The Small Business Management Option offers a Two-Year Associate of Applied Science Degree or a One-Year Certificate of Completion. The capstone course for the Certificate of Completion is BUSG 2309, Small Business Management/Entrepreneurship.

For more information visit: epcc.edu/Academics/BusinessManagement

First S	emeste	r Credit Ho	ours
ACCT	2301	Principles of Financial Accounting (F)	
		or	
ACNT	1303	Introduction to Accounting I	3
BCIS	1305	Business Computer Applications (F)	3
BUSI	1301	Business Principles (F)	3
ECON	2301	Principles of Macroeconomics (CF)	3
PHIL	2303	Introduction to Formal Logic (C)	<u>3</u>
			15

Second	d Seme	ster Credit Ho	ours
ACCT	2302	Principles of Managerial Accounting	
		(F) or	
ACNT	1313	Computerized Accounting	
		Applications	3
BUSG	2309	Small Business	
		Management/Entrepreneurship	3
<b>ECON</b>	2302	Principles of Microeconomics (CF)	3
IBUS	1305	Introduction to International Business	
		and Trade	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			15
<b>Total Credit Hours</b>			

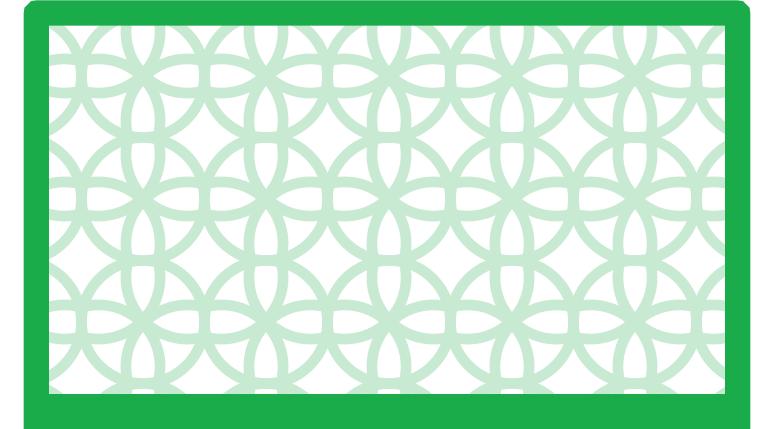
### **Archived Business Programs**

The following programs are no longer accepting new students as of Fall 2022. Students have up to five years from their selected Catalog year to complete any outstanding degree requirements. Please consult with the program coordinator or a counselor to develop an academic plan.

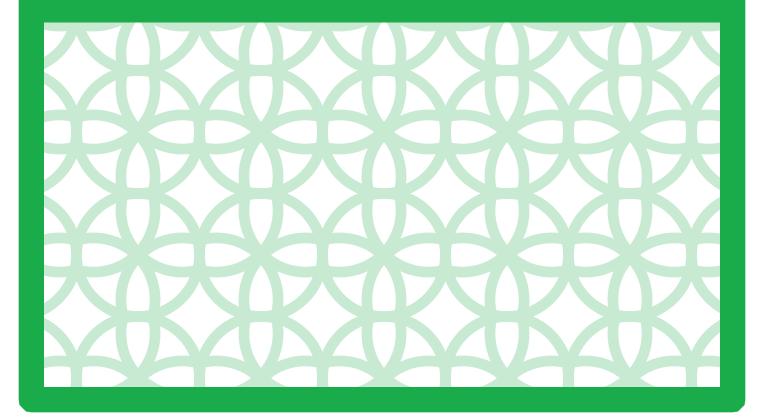
- Business Management Insurance Option Associate of Applied Science Degree (AAS-INSR)
- Business Management Insurance Certificate of Completion (C1-INSC)

For program coordinator contact information visit: epcc.edu/Academics/BusinessManagement

For access to past degree plans visit: epcc.edu/Academics/Catalog



# Education



Education 2023-2024

# Education

## **Child Development**

Associate of Applied Science Degree (AAS-TEAC)

The two-year Associate of Applied Science degree in Child Development prepares students for positions in child care facilities and Head Start programs. An Associate of Applied Science Degree is awarded upon completion of the program. A criminal background history check is required of all students in this program. Students should contact the Child Development faculty for more information. Graduates of this program are qualified to work with infants, toddlers, preschoolers, and school age children, including children with special needs. The capstone course for the AAS Degree in Child Development is CDEC 2384, Cooperative Education-Child Development I.

For more information visit: epcc.edu/Academics/ChildDevelopment

First S	emeste	er Credit Ho	urs
CDEC	1313	Curriculum Resources for Early	
		Childhood Programs	3
CDEC	1356	Emergent Literacy for Early	
		Childhood or	
CDEC	1370	Language and Literacy for Infants and	
		Toddlers	3
CDEC	2307	Math and Science for Early Childhood	3
<b>ENGL</b>	1301	Composition I (C)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
			15

Second	d Seme	ster Credit	Hours
CDEC	1319	Child Guidance	3
CDEC	1358	Creative Arts for Early Childhood	3
CDEC	2315	Diverse Cultural/Multilingual	
		Education	3
		Child Development Elective <sup>1</sup>	3
		Mathematics Elective <sup>2</sup> (C) (MNS)	<u>3</u>
			15

Third S	Semest	er Credit I	<b>Hours</b>
CDEC	1303	Families, School & Community or	
TECA	1303	Families, School, & Community	3
CDEC	1339	Early Childhood Development: 0-3	
		Years	3
CDEC	1359	Children with Special Needs or	
CDEC	2326	Administration of Programs for	
		Children I	3
CDEC	2341	The School Age Child or	
CDEC	2374	Managing Non-Center Based Child	
		Care Settings	3
		Social and Behavioral Sciences	
		Elective <sup>3</sup> (C) (SBS)	<u>3</u>
			15

Fourth	Seme	ster Credit H	ours
CDEC	1321	The Infant and Toddler	3
CDEC	1323	Observation and Assessment	3
CDEC	2384	Cooperative Education-Child	
		Development I	3
ITSC	1301	Introduction to Computers	3
		Humanities or Fine Arts Elective <sup>4</sup> (C)	
		(HFA)	<u>3</u>
			15
Total Credit Hours			

<sup>1</sup>Child Development Elective: Complete one course from TECA 1311, 1318, or CDEC 1318.

<sup>2</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>3</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>4</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

## **Infants and Toddlers Certificate**

Certificate of Completion (C1-CDIT)

The Certificate of Completion in Infants and Toddlers curriculum is designed to provide knowledge and skills to individuals employed in child care and Head Start programs. The capstone course for the Certificate of Completion is CDEC 2384, Cooperative Education-Child Development I.

For more information visit: epcc.edu/Academics/ChildDevelopment

First S	emeste	r Credit Ho	ours
CDEC	1318	Wellness of the Young Child	3
CDEC	1339	Early Childhood Development: 0-3	
		Years	3
CDEC	1359	Children with Special Needs	3
CDEC	1370	Language and Literacy for Infants and	
		Toddlers	3
			12

Second	d Seme	ster Cred	lit Hours
CDEC	1303	Families, School & Community	3
CDEC	1319	Child Guidance	3
CDEC	1321	The Infant and Toddler	3
CDEC	1323	Observation and Assessment	3
CDEC	2384	Cooperative Education-Child	
		Development I	<u>3</u>
			15
Total Credit Hours			

2023-2024 Education

## **Teacher Assistant Certificate**

Certificate of Completion (C1-CDTA)

The Certificate of Completion in Teacher Assistant curriculum is designed to provide entry-level skills to individuals employed in child care facilities. The capstone course for the Certificate of Completion is CDEC 2384, Cooperative Education-Child Development I.

For more information visit: epcc.edu/Academics/ChildDevelopment

First Se	meste	r Credit Ho	urs
CDEC	1313	Curriculum Resources for Early	
		Childhood Programs	3
CDEC	1339	Early Childhood Development: 0-3	
		Years	3
CDEC	1356	Emergent Literacy for Early	
		Childhood	3
CDEC	2307	Math and Science for Early Childhood	3
			12

Second Semester Cr			Hours
CDEC	1319	Child Guidance	3
CDEC	1358	Creative Arts for Early Childhood	3
CDEC	2315	Diverse Cultural/Multilingual	
		Education	3
CDEC	2384	Cooperative Education-Child	
		Development I	3
		Child Development Elective <sup>1</sup>	$\frac{3}{15}$
			15
Total Credit Hours			

<sup>1</sup>Child Development Elective: Complete one course from CDEC 1359, 2326, or 2341.

# EC-6, 4-8, EC-12 Special Education

Associate of Arts in Teaching Degree (AAT-EDUC)

The Associate of Arts in Teaching (AAT) Degree in EC-6, 4-8, EC-12 Special Education is fully transferable to the College of Education at the University of Texas at El Paso (UTEP) where students may pursue a Bachelor of Science in Education through the certified teacher pathway. This degree is also fully transferable to all other public Texas universities. Students who complete this degree are required to meet all entrance requirements of the receiving university and the educator preparation program, including GPA and/or testing requirements. Students are encouraged to complete the requirements of the AAT Degree at EPCC before transferring to another college/university to complete a bachelor's degree.

#### CRIMINAL BACKGROUND CHECK REQUIRED

EDUC 1301 and EDUC 2301 require 30 field-based volunteer hours in a child setting. All students must complete and pass a criminal background check to perform the volunteer hours for courses requiring volunteer service in Pre-K to 12th grade schools. During the 2nd week of class in EDUC 1301 and EDUC 2301, students must obtain criminal background check clearance from their chosen school district to fulfill the 30-hour volunteer lab requirement. The instructor of these courses will provide more information regarding this process during the first week of class.

Student advising will be conducted by program faculty.

For more information visit: epcc.edu/Academics/TeacherPreparation

First S	emeste	er	<b>Credit Hours</b>
EDUC	1300	Learning Framework (C)	3
EDUC	1301	Introduction to the Teachin	ng
		Profession (F)	3
ENGL	1301	Composition I(C)	3
HIST	1301	United States History I (C)	<u>3</u>
			12

Second	l Semes	ster Credit 1	Hours
EDUC	2301	Introduction to Special Populations	
		(F)	3
<b>ENGL</b>	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
MATH	1342	Elementary Statistical Methods (C)	<u>3</u>
			12

Third S	Semest	er (Summer)	<b>Credit Hours</b>
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professiona	ıl
		Communication (C)	3
		Language, Philosophy,	and Culture <sup>1</sup>
		(C)	3
		Creative Arts <sup>2</sup> (C)	<u>3</u>
			9

Fourth	Seme	ster Credit Ho	ours
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
MATH	1350	Mathematics for Teachers I	
		(Fundamentals of Mathematics I) (F)	3
PHYS	1315	Physical Science I (Lecture) (CF)	3
PHYS	1115	Physical Science I (Lab) (F)	1
		Life and Physical Sciences <sup>3</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>4</sup>	1
			14

Fifth S	emeste	er Credit Ho	ours
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
MATH	1351	Mathematics for Teachers II	
		(Fundamentals of Mathematics II) (F)	3
		Social and Behavioral Sciences <sup>5</sup> (C)	3
		Life and Physical Sciences <sup>3</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>4</sup>	<u>1</u>
			13

<sup>1</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

**Total Credit Hours** 

<sup>2</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

<sup>3</sup>Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

<sup>4</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

60

Education 2023-2024

<sup>5</sup>Social and Behavior Sciences: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

# Teacher Preparation (All Grade Levels)

Associate of Arts Degree (AA-TEED)

The Associate of Arts degree in Teacher Preparation (All Grade Levels) prepares students for multiple career opportunities in agencies providing child related services such as childcare licensing, child-care facilities, early childhood education programs, and hospitals. Courses in this program teach skills such as critical thinking, problem solving, communication, and provide opportunities to volunteer in various community activities. Students also develop and enhance their technology skills to communicate with others. Planning and organizational skills learned and applied in classes are used to develop leadership strengths.

Upon graduation, students have the option to enter the workforce or transfer as juniors to the College of Education at the University of Texas at El Paso (UTEP) to complete their Bachelor of Science in Education in one of the following two concentrations: 1. Early Childhood Care & Education ECCE (Focus on Birth to Age 5) or 2. Education and Community Studies EDCS (Focus on Youth or Adults). Alternative Teaching Certification is also available upon graduation and requires admission to the Alternative Teaching Certification Program at UTEP.

#### CRIMINAL BACKGROUND CHECK REQUIRED

EDUC 1301 and EDUC 2301 require 30 field-based volunteer hours in a child setting. TECA 1303, TECA 1318, TECA 1311 each require 16 field-based volunteer hours in a child setting. These field-based hours are completed in the community and qualify as Service Learning opportunities. All students must complete and pass a criminal background check in order to perform the volunteer hours for courses that require volunteer service in Pre-K to 12th grade schools. By the second week of class, students enrolled in EDUC 1301 and EDUC 2301 must obtain a criminal background check from the student's chosen school district to conduct their 30-hour volunteer lab requirement. The instructor of the course will provide more information during the first week of class.

Student advising will be conducted by program faculty.

For more information visit: epcc.edu/Academics/TeacherPreparation

First S	emeste	er	Credit Hours
EDUC	1300	Learning Framework (C)	3
EDUC	1301	Introduction to the Teachin	g
		Profession	3
<b>ENGL</b>	1301	Composition I(C)	3
HIST	1301	United States History I(C)	3
TECA	1354	Child Growth & Developm	ent <u>3</u>
		_	15

Second	l Seme	ster Credit	Hours
EDUC	2301	Introduction to Special Populations	3
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
		Mathematics <sup>1</sup> (C)	3
		Creative Arts <sup>2</sup> (C)	<u>3</u>
			15

Third S	Semest	er Credit	Hours
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
TECA	1303	Families, School, & Community	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Life and Physical Sciences <sup>3</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>4</sup>	1
		Elective Option <sup>5</sup>	<u>1</u>
			14

Fourth	Semes	ster Credit H	lours
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
TECA	1311	Educating Young Children or	
TECA	1318	Wellness of the Young Child	3
		Language, Philosophy, and Culture <sup>6</sup>	
		(C)	3
		Social and Behavioral Sciences <sup>7</sup> (C)	3
		Life and Physical Sciences <sup>3</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>4</sup>	1
		•	16
Total Credit Hours			60

<sup>1</sup>Mathematics: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>2</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

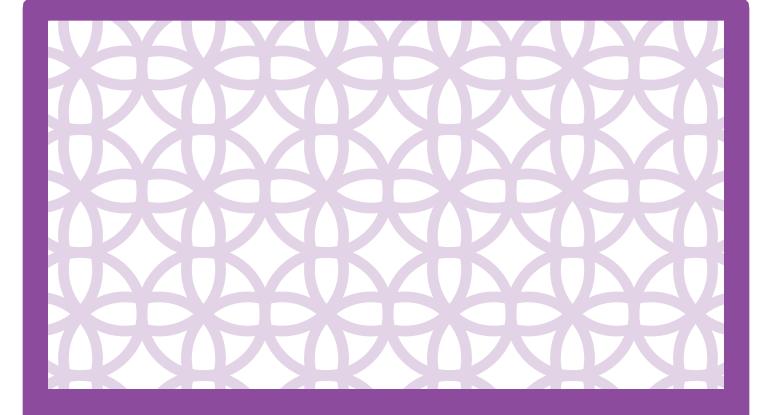
<sup>3</sup>Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

<sup>4</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

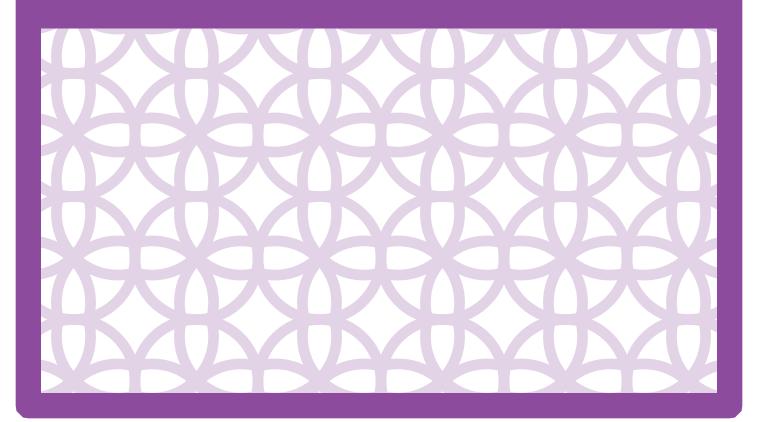
**Elective Option:** Complete any academic course. See the Course Descriptions section for courses with a "**T**." Courses may only apply once within the degree plan.

**Language, Philosophy, and Culture:** Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

**Social and Behavior Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.



# Health Sciences



# **Health Sciences**

# Associate of Arts Program

## Kinesiology

Associate of Arts Degree (AA-PHED)

The two-year Associate of Arts Degree in Kinesiology prepares students to transfer to a Bachelor of Arts Degree at a four-year university/college. Kinesiology is the science of human movement and physical activity. In this program, students study how people learn new motor skills, the effects of exercise on the physiology/biomechanics of the human body, how to best treat/rehabilitate sports injuries, and more. In addition to providing students with basic courses and prerequisites, classes in the Kinesiology degree program introduce them to the many subdisciplines in the field. After completion, students may enroll in four-year degree programs focused on teaching physical education/coaching, exercise science, fitness careers, or preparation for graduate studies in physical and occupational therapy.

This program does not require students to fulfill Specialized Admissions criteria or procedures. For more information visit: epcc.edu/Academics/Kinesiology

First S	emeste	er Credit H	lours
BIOL	1306	Biology for Science Majors I	
		(Lecture) (C)	3
BIOL	1106	Biology for Science Majors I (Lab)	1
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I (C)	3
HIST	1301	United States History I (C)	3
KINE	1301	Foundations of Kinesiology	<u>3</u>
			16

Second	d Seme	ster	Credit Hours
<b>ENGL</b>	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
KINE	1338	Concepts of Physical Fitner	ss 3
		Mathematics <sup>1</sup> (C)	3
		Elective Option <sup>2</sup>	<u>1</u>
		•	13

Third	Semeste	er (Summer)	Credit Hours
SPCH	1315	Public Speaking (C) or	
SPCH	1321	<b>Business &amp; Professional</b>	
		Communication (C)	3
		Creative Arts <sup>3</sup> (C)	3
		Language, Philosophy, an	nd Culture <sup>4</sup>
		(C)	<u>3</u>
			0

Fourth	Semes	ster Credit H	ours
BIOL	2401	Anatomy & Physiology I (Lecture +	
		Lab) (C)	4
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
KINE	1164	Introduction to Physical Fitness &	
		Wellness	1
KINE	1306	First Aid	<u>3</u>
			11

Fifth Semester Credit Hou			
BIOL	2402	Anatomy & Physiology II (Lecture +	
		Lab) (C)	4
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
		Social and Behavioral Sciences <sup>5</sup> (C)	3
		Elective Option <sup>2</sup>	1
			11
Total Credit Hours 60			

<sup>1</sup>Mathematics: Complete MATH 1324 (preferred) or one course from MATH 1314, 1332, 1342, 2314, 2412, or 2413.

<sup>2</sup>Elective Option: Complete two credits from KINE 1100, 1104, 1108, 1116, 1120, 2100, 2116, 2124, HECO 1322, or PSYC 2317. <sup>3</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

<sup>4</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

**Social and Behavioral Sciences:** Complete PSYC 2301 (preferred) or one course from ECON 1301, 2301, 2302, PSYC 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

# Career & Technical Education Programs

Congratulations on choosing a career in healthcare! At El Paso Community College, you can choose from numerous Health Career & Technical Education majors such as:

- Border Health Issues (Health Professions & Related Sciences)
- Dental Assisting
- Dental Hygiene
- Diagnostic Medical Sonography
- Echocardiography (Adult)
- Emergency Medical Services
- Health Information Management
- Medical Assisting Technology
- Medical Imaging Technology-Radiography
- Medical Laboratory Technology
- Nursing
- Pharmacy Technology
- Physical Therapist Assistant
- Respiratory Care Technology
- Surgical Technology
- Vocational Nursing

Many of these programs have special admissions requirements in addition to the College's standard admissions requirements. Some of these requirements are mandated by state or federal legislation. Others are based on the standards set by accrediting agencies. These requirements will either need to be completed prior to entering a program (Pre-Program Specific Requirements) or after being accepted into a program (Post-Acceptance Requirements).

Note: The Associate of Arts in Kinesiology is not considered a Health Career & Technical Education program and does not require students to fulfill any of the following Specialized Admissions criteria or procedures.

Each Health Career & Technical Education or Nursing Program's website provides a helpful Program Information Guide that details all of the Specialized Admissions requirements for each program, if applicable. To view these guides, visit epcc.edu/Academics/Health. Students will also need to complete a Health Careers Orientation (online or in person) and meet with a counselor to review the requirements for the specific program they have selected.

#### Specialized Admissions Procedure

If you wish to declare a major in one of the Health Career & Technical Education Programs currently requiring a Specialized Admissions procedure, you must go through the regular EPCC admissions process first.

Non-traditional credit, articulated credit, or Dual Credit from high schools may be accepted, depending on the program. Students applying for entry under the Non-Traditional Credit process must still meet Specialized Admission requirements and ranking.

To qualify to be ranked for entrance into a Health Career & Technical Education or Nursing Program, you must satisfy and submit the following requirements to the Office of Specialized Admissions, prior to the appropriate ranking deadlines for your selected program.

- Attend a mandatory Health Careers Orientation.
- Submit a Health Careers Admission Application with a \$10.00, one-time, non-refundable fee.
- Request official, final transcripts from all institutions to include high school/GED scores and all prior colleges/universities and have them sent directly to: EPCC Admissions Office P.O. Box 20500 El Paso, TX 79998
- Demonstrate minimum competency levels on the current assessment test as stated on the Program Information Guide for the selected program. Nursing will use the TEAS test (Test of Essential Academic Skills) for qualification and ranking. A second qualifying exam, the ATI PN Comprehensive Predictor Exam, is required for placement and qualification into the Nursing LVN-RN Program.
- Respond to all correspondence by the date indicated, attend scheduled program orientations and complete physical examination/post-admission requirements.

- Complete any course prerequisites and mandatory courses as indicated in the Program Information Guide and course descriptions.
- All applicants must have at least a 2.0 cumulative grade point average (G.P.A.) for Health Career & Technical Education or Nurisng Programs, although some programs require a higher G.P.A. See the Program Information Guide on the program's website for the minimum G.P.A. requirement for your selected program. A minimum grade of "C" is required in all specialized courses in the degree plan, unless otherwise indicated.

It is ultimately the student's responsibility to submit all required documentation to allow for normal processing. Normal processing can take place in a few days or a few months depending on document type and individual circumstances. It is reasonable to expect that the student will not be ranked if documentation is not submitted in a timely manner. For more information, contact a Health Career & Technical Education Program or Nursing Counselor or Coordinator, or you may contact the Office of Specialized Admissions at specialized.adm@epcc.edu.

Since many of the Health Career & Technical Education <u>or Nursing Programs</u> have limited enrollment, completion of the Specialized Admissions requirements does not guarantee acceptance into a program. Acceptance is competitive and based on individual academic performance and current assessment testing.

See the Program Information Guide on the program's website for current ranking deadlines and special course requirements. To obtain the most recent requirements please visit a Health Career & Technical Education Program Counselor or Coordinator for your selected major.

## Program Requirements (Pre-Program & Post- Acceptance)

The following is a defined list of program requirements for Health Career & Technical Education or Nursing Programs. Not all programs require each item below and some programs may require additional special requirements. To see which items are required prior to, or after acceptance into your selected Health Career & Technical Education or Nursing Program, check the Program Information Guide on the program's website or visit a Health Career & Technical Education or Nursing Program Counselor for more details.

A tracking system, COMPLIO, assists students to be compliant with immunizations, CPR and First Aid, physical, etc. All students participating in Health Career & Technical Education Programs must be part of the American DataBank, in order to keep their clinical data in compliance and updated. Implementation is pending for the Nursing program. Students are expected to pay all associated fees.

#### Degree Plan

All students must file a degree plan with the designated counselor for their selected Health Career & Technical Education or Nursing Program. View the Program

<u>Information Guide on the program's website to find the</u> designated Health Counselor(s) for each program.

#### **Background Checks**

The Joint Commission, which accredits healthcare facilities across the country, has set requirements mandating that students in a healthcare field must complete the same background check as hospital employees.

A background investigation must be completed prior to students' acceptance into most health programs or health courses at EPCC. Students are responsible for the cost associated with the background investigation. Only background checks from the approved vendor, American DataBank, are accepted. The background clearance will be sent directly to the dean/director of the specific Health Career & Technical Education or Nursing program at the college.

There are two levels of background screening: Level I includes all students, while Level II is specifically for students already licensed or certified in any area. Go to elpasoex.com to request a background check.

#### **Level I Background Check Requirements:**

- Social Security Number Verification
- Criminal Search (7 years or up to 5 criminal searches)
- Violent Sexual Offender and Predator Registry Search
- OIG List of Excluded Individuals/Entities
- GSA List of Parties Excluded from Federal Programs
- US Treasury, Office of Foreign Assets Control (OFAC), List of Specially Designated Nationals (SDN)
- State Exclusion List

#### **Level II Background Check Requirements:**

- All of Level I Elements
- License Verification
- Certification Verification
- Employment Verification (Include reason for separation and eligibility for rehire for each employer)

Two background checks are required for the Nursing programs: 1) American DataBank criminal background statement is completed prior to entry into the program; 2) Texas Board of Nursing (BON) background check with fingerprinting from the FBI are required prior to the end of the first semester.

#### **Community Wide Orientation**

Students are required to participate in an online Community Wide Orientation every year while in a Health Career & Technical Education or Nursing program. For more information, visit

epcc.edu/Admissions/Orientation/community-wide-orientation

#### **CPR Certification**

Programs may require students to have current, up-to-date CPR certification at a professional level. American Heart Association (AHA) CPR/BLS is the only healthcare provider training accepted. Military Training Network (AHA recognized) cards and Hybrid AHA courses with live skills demonstration may also be accepted, depending on the program's guidelines. Certain programs require that

certification remain current throughout the entirety of the program and may not be older than a year.

#### **First Aid Certification**

Students in programs that require First Aid Certification must complete an 8-hour course from the National Safety Council Course. Nursing students may also receive their First Aid Certification from the American Academy of Orthopedic Surgeons. LVN to RN Transition Nursing students may submit their current, up-to-date LVN or EMF-LP licensure in lieu of First Aid Certification.

#### **Healthcare Insurance**

Evidence of healthcare insurance is required of students participating in clinicals at healthcare facilities. Visit a Health Career & Technical Education or Nursing Program Counselor or Coordinator for a list of approved contracted health insurance companies if you need to purchase insurance.

#### **Health Careers Orientation**

The Specialized Admissions procedure requires all students to attend a Health Careers Orientation either online or in person. Visit epcc.edu/Admissions/Orientation/health-careers-orientation or contact a Health Career & Technical Education or Nursing Program Counselor for more information.

#### **HIPAA Training**

Students are required to participate in online HIPAA training yearly. To complete the HIPAA training, visit epcc.edu/Academics/Health/hipaa

#### **Immunizations & Titers**

Acceptance and enrollment in any Health Career & Technical Education or Nursing Program requires students to submit evidence of titers and immunizations as listed below. This policy is mandated by OSHA, the Texas State Department of Health Services, and EPCC clinical affiliates to protect both students and the patients they will encounter during clinical training. The cost of titers and immunizations are the student's responsibility and at their own expense.

- POSITIVE TITER required for Hepatitis B vaccination series of three and Titer (can take 4-6 months to complete). If a student has started the Hepatitis B series by ranking deadline, they may be cleared for ranking or registration with the understanding that the series must be completed in a timely manner prior to starting clinical courses. Documentation of starting the series must be on file.
- Tuberculosis (TB) Screening required annually. NOTE: It is highly recommended to complete any and all TB skin testing prior to receiving the MMR and/or Varicella vaccines. MMR or Varicella vaccines could cause a false negative TB skin test result.
  - o Individuals who previously tested negative, have never tested, or are not sure if previously tested:
    - Initial two step TB Skin Test (effective January 1, 2018, for all students/faculty new to health programs).
    - Initial TB Skin Test (TST) administered and read 48-72 hours later.
    - If initial TST is negative, the second TST must be administered no sooner than seven days and

no later than 21 days after administration of the initial TST.

- If initial TST is positive, DO NOT ADMINISTER a second TST. Individual needs Chest X-ray and annual TB Assessment/Clearance (or equivalent document) from Health Care Provider.
- Individuals who previously tested positive are required to complete annual TB Assessment/ Clearance form.
- POSITIVE TITER required after two doses Measles, Mumps and Rubella Vaccinations (MMR) (completed) and Titer.
- POSITIVE TITER required after two doses Varicella Vaccination and Titer (completed).
- Tetanus/Diphtheria and Pertussis (Tdap) vaccine (completed, expires after 10 years).
- Influenza vaccine is required; done annually. Students in the Dental Hygiene program may decline this vaccination. However, if declined, students will have to wear a mask in clinicals.
- Meningitis or Booster (effective January 1, 2012, a Bacterial Meningitis Vaccination is required for all entering students under the age of 22. The term "entering students" includes new students to EPCC, transfer students, and returning students. Students must provide proof of an initial meningitis immunization or booster to Admissions and Registration Office at any campus. The meningitis immunization must be administered at least 10 days before the start of the semester and must have been administered within the last five years). NOTE: After vaccination is administered, you must wait 4-6 weeks for immunity to show up on the TITER.
- COVID-19 vaccine 1 or 2 shot series and covariant booster are now required by all hospitals. Medical or religious exemption is allowed but proof of either is expected.

#### **Observation Hours**

Certain programs require students to complete clinical or hospital observation hours with an approved facility prior to ranking and beginning the program. Visit the program's website for more information about possible observation requirements.

#### **Physical Exam**

All Health Career & Technical Education or Nursing Program students must undergo a physical exam completed by a physician, nurse practitioner, or physician's assistant licensed in the United States. The submitted physical exam may not be more than one or two years old, depending on the program. This policy is mandated by OSHA, the Texas State Department of Health Services, and EPCC clinical affiliates to protect both students and the patients they will encounter during clinical training. The cost of the physical exam is the student's responsibility and at their own expense.

#### **Physical Technical Standards Form**

Students must complete and sign the Physical Technical Standards form, which can be found on the Policies and Procedures section of the EPCC website epcc.edu/Administration/InstitutionalEffectiveness/policies, TASB Procedure FB-8.

#### **Program Orientation**

Students may be required to attend a Program Orientation that is specific to their chosen Health Career & Technical Education or Nursing Program. Attendance is mandatory. Contact a Health Career & Technical Education or Nursing Program Counselor or Coordinator for more information.

#### **Specialized Equipment**

Many Health Career & Technical Education or Nursing Programs require students to purchase specialized equipment and/or supplies for laboratory and clinical courses. The program coordinator will provide students with detailed information regarding the program's required materials. Students are also encouraged to review the syllabus of each course they register for to view a listing of required materials.

#### **Substance Abuse Screening**

Students enrolled in Health Career & Technical Education\_or Nursing Programs with clinical components are required to participate in substance abuse screening at their own expense from the approved vendor, American DataBank. Students should not have the drug screen more than 90 days prior to their first clinical course; otherwise, they must retake the substance abuse test at their own expense. Visit elpasoex.com for more information.

#### **Textbooks**

All Health Career & Technical Education and Nursing Programs require students to purchase textbooks and other course materials at their own expense in accordance with each course's syllabus.

#### **Transportation**

Students in Health Career & Technical Education or Nursing Programs that require participation in clinicals and off-campus learning sites are responsible for their own transportation. Some clinicals require students to be there for up to 12 hours a day, and therefore students will need reliable transportation to and from clinical sites.

#### Uniforms

Some programs require students to wear uniforms in accordance with particular program specifications. Students must purchase these uniforms at their own expense. The course instructor will provide students with more details about the course/program's uniform requirements.

#### **Additional Information**

#### **Deadlines**

There are different ranking dates for each Health Career & Technical Education Program. Please check the information in the Program Information Guide as well as with your Health Career & Technical Education or Nursing Program Counselor to make sure you have completed all requirements by the deadlines.

You will receive a letter from the Office of Specialized Admissions once you are accepted into the program. Please make sure the college has your current mailing address. It is

ultimately the student's responsibility to submit all required documentation to allow for normal processing. Normal processing can take place in a few days or a few months depending on document type and individual circumstances. It is reasonable to expect that the student will not be ranked if documentation is not submitted in a timely manner.

#### **General Education Options**

Each Associate of Applied Science degree plan must contain 15 credit hours of general education courses selected from the Core Curriculum. Students must take at least three credit hours from each of the following areas:

- Humanities or Fine Arts (HFA)
- Social and Behavioral Sciences (SBS)
- Mathematics or Natural Sciences (MNS)

ENGL 1301 is required for all AAS Degrees.

#### **Minimum Grade Requirements**

In order to complete the requirements for progression and graduation, students enrolled in Health Career & Technical Education or Nursing Programs must have a grade of "C" or better in all specialized courses, unless otherwise indicated in the Program Information Guide or Catalog. The term "specialized courses" refers to all courses carrying the prefix of the program in which the student is majoring (example: "DNTA" for Dental Assisting) or the prefix of another health-related discipline.

#### Fees

In addition to tuition, Health Career & Technical Education or Nursing Program students enrolled in certain courses such as clinicals are required to pay for Professional Practice Insurance (PPI), also known as Liability Insurance. The PPI fee must be paid during the enrollment process. Instructors may ask for proof of payment (on your registration receipt) on the first day of class. Check the Fees section of the Catalog for the cost of the insurance premium. The premium you pay for one course will cover all other courses requiring insurance for that semester. You may also be required to pay an additional fee for each course that requires a lab.

#### **Standardized Testing**

Many Health Career & Technical Education or Nursing Programs require students to complete end-of-course and/or end-of-program standardized tests. Standardized testing is a tool that can be utilized to evaluate whether or not a particular student is likely to be successful on a national standardized licensing and/or certification exam that graduates are required to take. Many accrediting agencies for Health Career & Technical Education or Nursing Programs require standardized testing or advise the programs to use it. The standardized tests are also used as a measure of Student Learning Outcomes for the programs as required by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC).

#### **Disability Resources**

If you have a disability that requires special assistance, your Counselor will work with the Health Career & Technical Education or Nursing Program faculty and the Center for Students with Disabilities to meet your needs.

Health Career & Technical Education Programs Testing Fees

Program	Test Description/Name	Fee per Course(s)
Diagnostic Medical Sonography	OB/GYN Mock Exam	\$40
Diagnostic Medical Sonography	ABD Mock Exam	\$40
Diagnostic Medical Sonography	Physics Mock Exam	\$40
Pharmacy Technology	Pharmacy Tech Mock Exam	\$29

Program	Test Description/Name	Fee per Course(s)
Physical Therapist Assistant	FSBPT PEAT	\$90
Physical Therapist Assistant	Score Builders Online Advantage	\$50
Nursing LVN to RN Transition Vocational Nursing	Nursing students are Assessment Technology Ins fees each semester. This fo depending on the student's	ee will vary

#### Financial Aid and VA Provisional Admission

As per VA Federal Regulations and Financial Aid guidelines, students who are applying for ranking into Health Career & Technical Education or Nursing Programs under the specialized admissions procedure may be accepted provisionally into a program for the sole purpose of completing academic and program degree plan courses in the current Catalog. This provisional acceptance does not guarantee acceptance into the limited enrollment program courses which require official admission into the program.

#### **Enhanced Skills Certificates**

An Enhanced Skills Certificate accompanies an AAS degree program and is intended to provide advanced skills which may be taken concurrently with an AAS degree.

- Border Health Issues: This certificate is available following completion of, or taken alongside a Health Career & Technical Education or Nursing Program AAS. This certificate prepares graduates to work as members of a multi-disciplinary team to meet the unique health care needs of the U.S./Mexico border community.
- Community Paramedic or Critical Care/Flight Paramedic: These certificates are available following completion of, or taken alongside the Emergency Medical Services-Paramedic Associate of Applied Science Degree.

#### **Advanced Technical Certificates**

An Advanced Technical Certificate requires a defined associate or baccalaureate degree as a prerequisite and must be in the same program area as the completed associate or baccalaureate degree.

- Diagnostic Medical Sonography: This certificate is available following completion of a related associate or baccalaureate degree. This certificate provides students with the knowledge and skills necessary to perform complex diagnostic ultrasound procedures.
- Echocardiography (Adult): This certificate is available
  to students that already have credentials by the American
  Registry of Diagnostic Medical Sonographers
  (ARDMS). This certificate provides students with the
  knowledge and skills necessary to perform complex
  diagnostic ultrasound procedures in the category of the
  adult heart and great vessels.

#### **Health Career & Technical Education Counseling**

The following campuses offer specialized counseling services for students interested in pursuing Health Career & Technical Education or Nursing programs.

#### **Emergency Medical Services and Vocational Nursing:**

Mission Del Paso Campus 915-831-7094 10700 Gateway East Room C149

#### All Other Health CTE Programs:

Rio Grande Campus 915-831-4036 103 Montana Ave. Room D310

For more information on EPCC Health Career & Technical Education or Nursing Programs visit: epcc.edu/Academics/Health

EPCCCD Health Career & Technical Education Programs are accredited, approved, or recognized by the following organizations:

# Health Accreditation Information

# Accreditation Commission for Education in Nursing (ACEN)

3390 Peachtree Road NE, Suite 1400

Atlanta, Georgia 30326

Phone: 404-975-5000 | Fax: 404-975-5020

Email: amariquit@acenursing.org Website: www.acenursing.org

# American Dental Association Commission on Dental Accreditation (CODA)

211 East Chicago Avenue, Suite 1900

Chicago, Illinois 60611-2678

Phone: 800-232-6108 | Fax: 312-440-4653

Website: www.ada.org/en/coda

# Accreditation Review Council on Education in Surgical Technology/Surgical Assisting (ARC/STSA)

Provides recommendation to CAAHEP in accordance with their published standards.

19751 E. Mainstreet, Suite #339

Parker, Colorado 80139

Phone: 303-694-9262 | Fax: 303-741-3655

Email: info@arcstsa.org | Website: www.arcstsa.org

#### Commission on Accreditation of Allied Health Education Programs (CAAHEP)

9355-113th St. N, #7709 Seminole, FL 33775

Phone: 727-210-2350 | Fax: 727-210-2354

Email: mail@caahep.org | Website: www.caahep.org

# Committee on Accreditation for the EMS Professions (CoAEMSP)

8301 Lakeview Parkway, Suite 111-312,

Rowlett, Texas 75088

Phone: 214-703-8445 | Fax: 214-703-8992

Website: www.coaemsp.org

#### Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)

200 East Randolph Street, Suite 5100

Chicago, IL 60601-5800

Phone: 312-235-3255 | Fax: 312-233-0063

Email: info@cahiim.org | Website: www.cahiim.org

# Commission on Accreditation in Physical Therapy Education (CAPTE)

3030 Potomac Ave., Suite 100 Alexandria, Virginia 22305-3085

Phone: 703-706-3245/800-999-2782 | Fax: 703-684-7343

Email: accreditation@apta.org Website: www.capteonline.org

# Commission on Accreditation for Respiratory Care (CoARC)

1248 Hardwood Rd.

Bedford, TX 76021-4244

Phone: 817-283-2835 | Fax: 817-354-8519 Email: info@coarc.com | Website: www.coarc.com

# Joint Review Committee on Education in Radiologic Technology (JRCERT)

Provides recommendations to CAAHEP in accordance with their published standards.

20 N. Wacker Drive, Suite 2850 Chicago, Illinois 60606-3182

Phone: 312-704-5300 | Fax: 312-704-5304 Email: mail@jrcert.org | Website: www.jrcert.org

# Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS)

Provides recommendations to CAAHEP in accordance with their published standards.

6021 University Boulevard, Suite 500

Ellicott, City, MD 21043

Phone: 443-973-3251 | Fax: 866-738-3444 (*Primary contact: Linda Howard or Gerry Magat*) Email: mail@jrcdms.org | Website: www.jrcdms.org

# Medical Assisting Education Review Board (MAERB)

Provides recommendations to CAAHEP in Accordance with their published standards.

20 N. Wacker Drive, Suite 1575 Chicago, Illinois 60606-2963

Phone: 800-228-2262 | Fax: 312-899-1259

Email: maerb@maerb.org | Website: www.maerb.org

# National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)

5600 N. River Rd. Suite 720 Rosemont, Illinois 60018-5119

Phone: 773-714-8880 | Fax: 773-714-8886

Email: info@naacls.org | Website: www.naacls.org

# Office of EMS/Trauma Systems Texas Department of State Health Professional Licensing and Certification Division (DSHS)

8407 Wall Street, Suite N-410

Austin, TX 78754

Phone: 512-834-6700 | Fax: 512-834-6736

Email: emsinfo@dshs.texas.gov

Website: www.dshs.texas.gov/emstraumasystems

# Pharmacy Technician Accreditation Commission (PTAC)

4500 East-West Highway, Suite 900

Bethesda, MD 20814

Phone: 301-664-8835 | Fax: 301-657-1251

Website: www.ashp.org

#### Texas Board of Nursing (BON)

William P. Hobby Building 333 Guadalupe, Suite 3-460 Austin, Texas 78701-3944

Phone: 512-305-7400 | Fax: 512-305-7401 Toll free complaint line: 1-800-821-3205 Email: webmaster@bon.texas.gov Website: www.bon.texas.gov

#### Texas Department of State Health Services (DSHS)

1100 West 49th Street Austin, TX 78756-3199 Phone: 512-776-7111

Email: customer.service@dshs.texas.gov

Website: www.dshs.texas.gov

## Texas Health and Human Services Commission, Nurse Aide Training and Credentialing (HHS)

701 West 51st Street Austin, Texas 78751 Phone: 512-438-2050 Website: www.hhs.texas.gov

#### Texas Health and Human Services Commission, Medication Aide Program (HHS)

701 West 51st Street Austin, Texas 78751 Phone: 512-438-2025 Website: www.hhs.texas.gov

### **Border Health Issues Certificate**

## Enhanced Skills Certificate of Completion (C3-HLTH)

This one-semester Enhanced Skills Certificate of Completion in Border Health Issues prepares individuals from a variety of health occupation educational programs to work as members of a multidisciplinary team to meet the healthcare needs of the U.S./Mexico border community. Students must have completed or are currently enrolled in an AAS in a Health Program or related field (i.e. Social Work or Sign Language). Students may enroll in selected courses prior to completion of any applicable AAS programs.

• Minimum grade required for specialized courses: C

#### Important:

This program does not require students to fulfill Specialized Admissions criteria or procedures. For more information, view the Program Information Guide at epcc.edu/Academics/Health/health-professions-and-related-science

One Se	meste	r Credit H	ours
HPRS	1191	Special Topics in Health Professions	
		and Related Sciences, Other	1
HPRS	1202	Wellness and Health Promotion	2
HPRS	1205	Essentials of Medical Law/Ethics for	
		Health Professionals	2
HPRS	1206	Essentials of Medical Terminology	2
HECO	1322	Nutrition & Diet Therapy or	
HPRS	2300	Pharmacology for Health Professions	
		or	
HPRS	2332	Health Care Communications	3
			10
Total Cro	edit Hour	rs	10

## **Dental Assisting**

#### Associate of Applied Science Degree (AAS-DNTA)

The Dental Assisting program prepares students for a career that combines interpersonal and technical skills. Students learn to provide patient care, assist the dentist at chairside, take x-rays, and perform laboratory, clinical, and office management duties. Clinical applications are gained within the educational facility and/or through an internship within the local dental community.

- Capstone experience: DNTA 2363, Clinical-Dental Assisting/Assistant II.
- Minimum grade required for specialized courses: C
- The Dental Assisting program is accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and by the United States Department of Education.

#### Important

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on

the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/dental-assisting

First S	Semeste	r Credit Ho	urs
BIOL	1306	Biology for Science Majors I	
		(Lecture) (C) (MNS) and	
BIOL	1106	Biology for Science Majors I (Lab) or	
BIOL	1308	Biology for Non-Science Majors I	
		(Lecture) (C) (MNS) and	3
BIOL	1108	Biology for Non-Science Majors I	
		(Lab)	1
COSC	1301	Introduction to Computing or	
ITSC	1301	Introduction to Computers	3
		Mathematics Elective <sup>1</sup> (C) (MNS)	<u>3</u>
			10

Second Semester	<b>Credit Hours</b>
Humanities or Fine Art	ts Elective <sup>2</sup> (C)
(HFA)	3
Social and Behavioral S	Sciences
Elective <sup>3</sup> (C) (SBS)	3
Speech Communication	n Elective <sup>4</sup> 3
	Q

Third	Semes	ter (	Credit Hours
DNTA	1245	Preventive Dentistry	2
DNTA	1301	Dental Materials	3
DNTA	1305	Dental Radiology	3
DNTA	1311	Dental Science	3
DNTA	1315	Chairside Assisting	3
DNTA	1353	Dental Assisting Application	ns <u>3</u>
			17

Fourtl	h Seme	ster Credit H	ours
DNTA	1202	Communication and Behavior in the	
		Dental Office	2
DNTA	1447	Advanced Dental Science	4
DNTA	2252	Advanced Dental Radiology	2
DNTA	2350	Advanced Dental Assisting	
		Applications	3
DNTA	2360	Clinical-Dental Assisting/Assistant I	<u>3</u>
			1.4

Fifth Semester (Summer) Credit Hour				
DNTA	1251	Dental Office Manage	ement	2
DNTA	2230	Seminar for the Denta	l Assistant	2
DNTA	2363	Clinical-Dental Assist	ing/Assistant II	3
<b>ENGL</b>	1301	Composition I (C)		<u>3</u>
				10
Total Credit Hours				

<sup>&</sup>lt;sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>&</sup>lt;sup>2</sup>Humanities or Fine Arts Elective: Complete one course from ENGL 2322, 2323, 2341, PHIL 1301, or 2306.

<sup>&</sup>lt;sup>3</sup>Social and Behavioral Sciences Elective: Complete one course from PSYC 2301, 2314, or SPCH 1318.

Speech Communication Elective: SPCH 1315, 1318, or 1321. Courses may not be used more than once within the degree plan.

## **Dental Assisting Certificate**

Certificate of Completion (C2-DNTC)

The Dental Assisting program prepares students for a career that combines interpersonal and technical skills. Students learn to provide patient care, assist the dentist at chairside, take x-rays, and perform laboratory, clinical, and office management duties. Clinical applications are gained within the educational facility and/or through an internship within the local dental community.

- Capstone experience: DNTA 2363, Clinical-Dental Assisting/Assistant II.
- · Minimum grade required for specialized courses: C
- The Dental Assisting program is accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and by the United States Department of Education.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/dental-assisting

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	First Se	emeste	er	Credit Hours
	DNTA	1245	Preventive Dentistry	2
	DNTA	1301	Dental Materials	3
	DNTA	1305	Dental Radiology	3
	DNTA	1311	Dental Science	3
	DNTA	1315	Chairside Assisting	3
	DNTA	1353	Dental Assisting Application	ons <u>3</u>
				17

Second	l Seme	ster Credit H	ours
DNTA	1202	Communication and Behavior in the	
		Dental Office	2
DNTA	1447	Advanced Dental Science	4
DNTA	2252	Advanced Dental Radiology	2
DNTA	2350	Advanced Dental Assisting	
		Applications	3
DNTA	2360	Clinical-Dental Assisting/Assistant I	3
			14

Third S	Semest	er (Summer)	Iours
DNTA	1251	Dental Office Management	2
DNTA	2230	Seminar for the Dental Assistant	2
DNTA	2363	Clinical-Dental Assisting/Assistant II	3
<b>ENGL</b>	1301	Composition I (C)	<u>3</u>
			10

### **Dental Hygiene**

Associate of Applied Science Degree (AAS-DHYG)

The Associate of Applied Science Degree in Dental Hygiene is a twoyear program with competitive enrollment. Students accepted into the Dental Hygiene program attend classes in biological and dental sciences, as well as in specialized courses. This knowledge is then applied in the dental hygiene clinic where students perform dental hygiene services. Working collaboratively with dentists, dental hygienists provide oral preventive health and therapeutic services to the public. Successful completion of this program allows graduates to take the National Board, State and/or Regional Board Examinations for licensure as a Registered Dental Hygienist.

- Capstone experience: DHYG 2363, Clinical-Dental Hygiene/Hygienist IV, National Board and appropriate clinical, regional, and/or state exams.
- Minimum grade required for specialized courses: C
- The Dental Hygiene program is accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and by the United States Department of Education.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/dental-hygiene

Prereq	uisite S	Semester Credit Ho	ours
BIOL	2404	Anatomy & Physiology (Specialized,	
		Single-Semester Course, Lecture +	
		Lab) (C) (MNS)	4
CHEM	1306	Introductory Chemistry I (Lecture,	
		Allied Health Emphasis) (C) (MNS)	3
CHEM	1106	Introductory Chemistry I (Lab, Allied	
		Health Emphasis)	1
DHYG	1127	Preventive Dental Hygiene Care	1
		Humanities or Fine Arts Elective <sup>1</sup> (C)	
		(HFA)	<u>3</u>
			12

First Semester Credi			Hours
DHYG	1239	General and Oral Pathology	2
DHYG	1301	Orofacial Anatomy, Histology &	
		Embryology	3
DHYG	1304	Dental Radiology	3
DHYG	1431	Preclinical Dental Hygiene	4
		Speech Communication Elective <sup>2</sup>	<u>3</u>
		_	15

**Total Credit Hours** 

41

Second Semester		ster Credit Ho	ours
BIOL	2420	Microbiology for Non-Science Majors	
		(Lecture + Lab) or	
BIOL	2421	Microbiology for Science Majors	
		(Lecture + Lab)	4
DHYG	1235	Pharmacology for the Dental	
		Hygienist	2
DHYG	1261	Clinical-Dental Hygiene/Hygienist I	2
DHYG	1311	Periodontology	3
DHYG	1319	Dental Materials	3
DHYG	2201	Dental Hygiene Care I	2
			16

urs
1
3
3
7

Fourth	ster Credit Ho	ours	
DHYG	1207	General and Dental Nutrition	2
DHYG	1215	Community Dentistry	2
DHYG	2231	Dental Hygiene Care II	2
DHYG	2362	Clinical-Dental Hygiene/Hygienist III	3
			9

Fifth Semester		er Credit Ho	ours
DHYG	2102	Applied Community Dentistry	1
DHYG	2253	Dental Hygiene Practice	2
DHYG	2363	Clinical-Dental Hygiene/Hygienist IV	3
SOCI	1301	Introduction to Sociology (C) or	
SOCI	1306	Social Problems	<u>3</u>
			9

<sup>1</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

<sup>2</sup>Speech Communication Elective: Complete one course from SPCH 1315, 1318, or 1321.

# Diagnostic Medical Sonography

**Total Credit Hours** 

Associate of Applied Science Degree (AAS-DMSO)

The Associate of Applied Science Degree in Diagnostic Medical Sonography prepares individuals for careers in diagnostic ultrasound. This program provides students with the knowledge and skills necessary to perform complex diagnostic ultrasound procedures using high frequency sound waves in the category of abdomen, small parts, neurosonology, vascular, and obstetrics and gynecology. Successful completion of this program allows graduates to be eligible for the registry examination for certification by the American Registry of Diagnostic Medical Sonographers (ARDMS).

- Capstone experience: DMSO 2366, Practicum (or Field Experience)-Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician III.
- · Minimum grade required for specialized courses: C
- Additional testing fees are required for this program.
   Amounts are displayed in the Health Careers & Technical Education Programs Testing Fees chart at the beginning of the Health Sciences section in this catalog.

- The AAS in Diagnostic Medical Sonography is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), (9355-113th St. N, #7709, Seminole, FL 33775; 727-210-2350; www.caahep.org) upon the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS), (6021 University Boulevard, Suite 500; Ellicott City, MD 21043; 443-973-3251; www.jrcdms.org).
- Medical Advisor: Dr. Benjamin Y. Wang.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/diagnostic-medical-sonography

Prerec	<b>Juisite</b>	Semester Credit I	Iours
BIOL	2404	Anatomy & Physiology (Specialized,	
		Single-Semester Course, Lecture +	
		Lab) (C) (MNS)	4
ENGL	1301	Composition I (C)	3
MATH	1314	College Algebra (C) (MNS)	3
PHYS	1301	College Physics I (Lecture) (C)	
		(MNS)	3
PHYS	1101	College Physics I (Lab)	<u>1</u>
			1/

First Semester (Summer) Credit Hou				
DMSO	1210	Introduction to Sonography	2	
HPRS	1206	Essentials of Medical Terminology	<u>2</u>	
			4	

Second	Semes	ster	<b>Credit Hou</b>	rs
DMSO	1260	Clinical-Diagnostic Medic	al	
		Sonography/Sonographer	and	
		Ultrasound Technician I		2
DMSO	2405	Sonography of Obstetrics/	Gynecology	4
				6

Third	Semes	ter Credi	t Hours
DMSO	1302	Basic Ultrasound Physics	3
DMSO	1441	Abdominopelvic Sonography	4
DMSO	1460	Clinical-Diagnostic Medical	
		Sonography/Sonographer and	
		Ultrasound Technician II	<u>4</u>
			11

Fourtl	h Seme	ester (Summer) Credi	it Hours
DMSO	1242	Intermediate Ultrasound Physics	2
DMSO	2266	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician I	2
DSVT	1200	Principles of Vascular Technology	2
PSYC	2301	General Psychology (C) (SBS)	3
			9

68

Fifth S	Semest (	er Credit Ho	ours
DMSO	1355	Sonographic Pathophysiology	3
DMSO	2351	Doppler Physics	3
DMSO	2353	Sonography of Superficial Structures	3
DMSO	2367	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician II	<u>3</u>
			12

Sixth S	Semest	er Credit I	Iours
DMSO	2345	Advanced Sonography Practices	3
DMSO	2366	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician III	3
PHIL	2306	Introduction to Ethics (C) (HFA)	<u>3</u>
			9
Total Cı	edit Hou	rs	65

## Diagnostic Medical Sonography Certificate

Advanced Technical Certificate of Completion (C4-DMSB)

The Advanced Technical Certificate (ATC) in Diagnostic Medical Sonography prepares individuals for careers in diagnostic ultrasound. This program provides the students with the knowledge and skills necessary to perform complex diagnostic ultrasound procedures using high frequency sound waves in the category of abdomen, small parts, neurosonography, vascular, and obstetrics and gynecology. Students are highly recommended to have completed BIOL 2404, ENGL 1301, MATH 1314, PHYS 1301 and PHYS 1101. Successful completion of this program allows graduates to be eligible for the registry examination for certification by the American Registry of Diagnostic Medical Sonographers (ARDMS).

- Capstone experience: DMSO 2366, Practicum (or Field Experience)-Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician III.
- Minimum grade required for specialized courses: C
- Additional testing fees are required for this program.
   Amounts are displayed in the Health Careers & Technical Education Programs Testing Fees chart at the beginning of the Health Sciences section in this catalog.
- The Certificate in Diagnostic Medical Sonography is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), (9355-113th St. N, #7709, Seminole, FL 33775; 727-210-2350; www.caahep.org) upon the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS), (6021 University Boulevard, Suite 500; Ellicott City, MD 21043; 443-973-3251; www.rcdms.org).
- Medical Advisor: Dr. Benjamin Y. Wang.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on

the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/diagnostic-medical-sonography

Fi	rst S	emeste	er (Summer)	Hours
DN	ASO	1210	Introduction to Sonography	2
HF	RS	1206	Essentials of Medical Terminology	<u>2</u>
				4

Secon	d Seme	ester Credit Ho	ours
DMSO	1260	Clinical-Diagnostic Medical	
		Sonography/Sonographer and	
		Ultrasound Technician I	2
DMSO	2405	Sonography of Obstetrics/Gynecology	<u>4</u>
			6

Third	Semes	ter C	redit Hours
DMSO	1302	Basic Ultrasound Physics	3
DMSO	1441	Abdominopelvic Sonography	4
DMSO	1460	Clinical-Diagnostic Medical	
		Sonography/Sonographer and	i
		Ultrasound Technician II	<u>4</u>
			11

Fourth	h Seme	ster (Summer) Credit	Hours
DMSO	1242	Intermediate Ultrasound Physics	2
DMSO	2266	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician I	2
DSVT	1200	Principles of Vascular Technology	<u>2</u>
			6

Fifth S	Semest	er Credit Ho	ours
DMSO	1355	Sonographic Pathophysiology	3
DMSO	2351	Doppler Physics	3
DMSO	2353	Sonography of Superficial Structures	3
DMSO	2367	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician II	3
			12

Sixth S	Semest	er Credit 1	Hours	
DMSO	2345	Advanced Sonography Practices	3	
DMSO	2366	Practicum (or Field Experience)-		
		Diagnostic Medical		
		Sonography/Sonographer and		
		Ultrasound Technician III	3	
			6	
Total Credit Hours 4				

# **Echocardiography (Adult)**

Associate of Applied Science Degree (AAS-ECHO)

The Echocardiography (Adult) Program prepares individuals for a career in Diagnostic Cardiac Sonography. This program provides students with the knowledge and skills necessary to perform complex diagnostic ultrasound procedures using high frequency sound waves in the category of the adult heart and great vessels. Successful completion of this program allows graduates to apply for the registry examination for certification by the American Registry of Diagnostic Medical Sonographers (ARDMS) certification in the Adult Echocardiography and Sonography Principles & Instrumentation Examination (SPI).

- Capstone experience: DSAE 1367, Practicum (or Field Experience)-Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician V.
- Minimum grade required for specialized courses: C
- The AAS in Echocardiography (Adult) is pending accreditation by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), (9355-113th St. N, #7709, Seminole, FL 33775; 727-210-2350; www.caahep.org) upon the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography (JRCDMS), (6021 University Boulevard, Suite 500, Ellicott City, MD 21043; 443-973-3251; www.jrcdms.org).
- Medical Advisor: Lookman Lawal, M.D.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/echocardiography

Prerec	quisite	Semester Credit Ho	urs
BIOL	2404	Anatomy & Physiology (Specialized,	
		Single-Semester Course, Lecture +	
		Lab) (C) (MNS)	4
<b>ENGL</b>	1301	Composition I (C)	3
MATH	1314	College Algebra (C) (MNS)	3
PHYS	1301	College Physics I (Lecture) (C) (MNS)	3
PHYS	1101	College Physics I (Lab)	1
			14

First S	Semest	er (Summer)	Hours
DSAE	1203	Introduction to Echocardiography	
		Techniques	2
HPRS	1206	Essentials of Medical Terminology	<u>2</u>
			4

Second	l Seme	ster Credit Ho	urs
DSAE	1264	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician I	2
DSAE	1315	Principles of Adult Echocardiography	3
DSAE	1340	Diagnostic Electrocardiography	3

Third	Semes	ter Credit 1	Hours
DMSO	1302	Basic Ultrasound Physics	3
DSAE	1265	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician II	2
DSAE	2303	Cardiovascular Concepts	<u>3</u>
			8

Fourtl	h Seme	ster (Summer) Cred	it Hours
DMSO	1242	Intermediate Ultrasound Physics	2
DSAE	1266	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician III	2
DSVT	1200	Principles of Vascular Technology	, 2
PSYC	2301	General Psychology (C) (SBS)	3
		-	9

Fifth S	emest	er Credit H	ours
DMSO	2351	Doppler Physics	3
DSAE	1267	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician IV	2
DSAE	2304	Echocardiographic Evaluation of	
		Pathology I	3
			8

Sixth	Semest	er Credit I	lours
DSAE	1367	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician V	3
DSAE	2337	Echocardiographic Evaluation of	
		Pathology II	3
PHIL	2306	Introduction to Ethics (C) (HFA)	<u>3</u>
			9
Total Ci	redit Hou	rs	60

# Echocardiography (Adult) Certificate

Advanced Technical Certificate of Completion (C4-ECHC)

The Echocardiography (Adult) Certificate Program prepares individuals for a career in Diagnostic Cardiac Sonography. This program provides students with the knowledge and skills necessary to perform complex diagnostic ultrasound procedures using high frequency sound waves in the category of the adult heart and great vessels. The Advanced Technical Certificate is a condensed version of the A.A.S. option available to students that already have credentials by the American Registry of Diagnostic Medical Sonographers (ARDMS). Successful completion of this program allows graduates to apply for the registry examination for certification by the American Registry of Diagnostic Medical Sonographers (ARDMS) certification in the Adult Echocardiography and Sonography Principles & Instrumentation Examination (SPI).

- Capstone experience: DSAE 1367, Practicum (or Field Experience)-Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician V.
- Minimum grade required for specialized courses: C
- The Certificate in Echocardiography (Adult) is pending accreditation by the Commission on Accreditation of

Allied Health Education Programs (CAAHEP), (9355-113th St. N, #7709, Seminole, FL 33775; 727-210-2350; www.caahep.org) upon the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography (JRCDMS), (6021 University Boulevard, Suite 500, Ellicott City, MD 21043; 443-973-3251; www.jrcdms.org).

Medical Advisor: Lookman Lawal, M.D.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/echocardiography

First S	emest	er (Summer) 💢 🤇	Credit Hours
DSAE	1203	Introduction to Echocardiog	raphy
		Techniques	2
HPRS	1206	Essentials of Medical Termi	nology $\frac{2}{4}$

Secon	d Seme	ester Credit Ho	ours
DSAE	1264	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician I	2
DSAE	1315	Principles of Adult Echocardiography	3
DSAE	1340	Diagnostic Electrocardiography	3
		-	8

Third	Semes	ter Credit H	ours
DMSO	1302	Basic Ultrasound Physics	3
DSAE	1265	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician II	2
DSAE	2303	Cardiovascular Concepts	<u>3</u>
			8

Fourth	seme	ster (Summer)	Credit Hour	S
DMSO	1242	Intermediate Ultrasoun	d Physics 2	
DSAE	1266	Practicum (or Field Exp	perience)-	
		Diagnostic Medical Son	nography/	
		Sonographer and Ultras	sound	
		Technician III	2	
DSVT	1200	Principles of Vascular	Γechnology <u>2</u>	
			6	,

Fifth S	emest	er Credit	Hours
DMSO	2351	Doppler Physics	3
DSAE	1267	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician IV	2
DSAE	2304	Echocardiographic Evaluation of	
		Pathology I	<u>3</u>
			8

Sixth S	Semest	er Credit H	lours
DSAE	1367	Practicum (or Field Experience)-	
		Diagnostic Medical Sonography/	
		Sonographer and Ultrasound	
		Technician V	3
DSAE	2337	Echocardiographic Evaluation of	
		Pathology II	<u>3</u>
			6
Total Cr	edit Hou	rs	40

# **Emergency Medical Services - Paramedic**

Associate of Applied Science Degree (AAS-EMSP)

The Associate of Applied Science Degree in Emergency Medical Services-Paramedic articulates classroom, clinical, and field experience to prepare students for a career in out-of-hospital emergency medical care. Emergency Medical Services (EMS) Personnel, through performance of patient assessments and initial treatment of medical emergencies of the acutely ill or injured, work to prevent and reduce mortality and morbidity. Students entering the Paramedic program must possess a current Emergency Medical Technician (EMT) certification/registration. Successful completion of this program allows graduates to take the National Registry Examination for Emergency Medical Technician-Paramedic. Enhanced Skills Certificates of Completion in Community Paramedic or Critical Care/Flight Paramedic are available following completion of, or taken alongside, this AAS degree.

- Capstone experience: EMSP 2143, Assessment Based Management.
- Minimum grade required for specialized courses: C
- This program is approved by the Texas Department of State Health Services, Division of Emergency Management.
- This program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation of the Committee on Accreditation of Education Programs for the Emergency Medical Services Professions (CoAEMSP).
- Medical Advisor: Jose Crespo, M.D.

#### Important:

This program does not follow the Specialized Admissions procedure but it does require students to fulfill certain program-specific criteria including (but not limited to): minimum GPA, testing scores, background check, substance abuse screening, and immunizations/titers. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including pre/post-admissions requirements and program contact information view the Program Information Guide at epcc.edu/Academics/Health/ems

Prereg	uisite S	Semester Credit Ho	ours
BIOL	2401	Anatomy & Physiology I (Lecture +	
		Lab) (C) (MNS)	4
<b>EMSP</b>	1160	Clinical-Emergency Medical	
		Technology/Technician (EMT	
		Paramedic) I	1
<b>EMSP</b>	1501	Emergency Medical Technician	<u>5</u>
			10

First S	emester	Credit Ho	ours
BIOL	2402	Anatomy & Physiology II (Lecture	
		+ Lab) (C) (MNS)	4
EMSP	1161	Clinical-Emergency Medical	
		Technology/Technician (EMT	
		Paramedic) II	1
EMSP	1356	Patient Assessment and Airway	
		Management	3
EMSP	1438	Introduction to Advanced Practice	4
<b>ENGL</b>	1301	Composition I (C)	<u>3</u>
			15

Second	d Semes	ter Credit I	<b>Hours</b>
EMSP	1162	Clinical-Emergency Medical	
		Technology/Technician (EMT	
		Paramedic) III	1
EMSP	1355	Trauma Management	3
<b>EMSP</b>	2305	EMS Operations	3
FIRS	1103	Firefighter Agility and Fitness	
		Preparation or	
KINE	11XX	Kinesiology Elective <sup>1</sup> (C) (1100	
		Series)	1
		Humanities or Fine Arts Elective <sup>2</sup>	
		(C) (HFA)	3
			11

Third S	Semesto	er (Summer)	Credit Hours
EMSP	2306	Emergency Pharmac	ology <b>or</b>
RNSG	1301	Pharmacology	3
<b>EMSP</b>	2444	Cardiology	<u>4</u>
			7

Fourth	<b>Semes</b>	ter Credit I	<b>lours</b>
<b>EMSP</b>	2160	Clinical-Emergency Medical	
		Technology/Technician (EMT	
		Paramedic) IV	1
EMSP	2430	Special Populations	4
<b>EMSP</b>	2534	Medical Emergencies	5
PSYC	2301	General Psychology (C) (SBS) or	
PSYC	2314	Lifespan Growth & Development	
		(C) (SBS)	<u>3</u>
			13

Fifth	Semester	Credit	Hours
EMSP	2143	Assessment Based Management	1
EMSP	2266	Practicum (or Field Experience)-	
		Emergency Medical Technology/	
		Technician (EMT Paramedic)	2
		Open Elective <sup>3</sup>	<u>1</u>
			4
Total	Credit Hours		60

<sup>1</sup>Kinesiology Elective: Complete one course from KINE 1100, 1104, 1108, 1116, or 1120.

<sup>2</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306. <sup>3</sup>Open Elective: Complete one course from EMSP 1147, 2135, HPRS 1205, 1206, or any college-level course. Courses may not be used more than once within the degree plan.

#### **Paramedic Certificate**

#### Certificate of Completion (C2-EMSC)

The Certificate of Completion in Emergency Medical Services-Paramedic articulates classroom, clinical, and field experience to prepare students for a career in out-of-hospital emergency medical care. Emergency Medical Services (EMS) Personnel, through performance of patient assessments and initial treatment of medical emergencies of the acutely ill or injured, work to prevent and reduce mortality and morbidity. Students entering the Paramedic program must possess a current Emergency Medical Technician (EMT) certification/registration. Successful completion of this program allows graduates to take the National Registry Examination for Emergency Medical Technician-Paramedic.

- Capstone experience: EMSP 2143, Assessment Based Management.
- Minimum grade required for specialized courses: C
- This program is approved by the Texas Department of State Health Services, Division of Emergency Management.
- This program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation of the Committee on Accreditation of Education Programs for the Emergency Medical Services Professions (CoAEMSP).
- Medical Advisor: Jose Crespo, M.D.

#### Important:

This program does not follow the Specialized Admissions procedure but it does require students to fulfill certain program-specific criteria including (but not limited to): minimum GPA, testing scores, background check, substance abuse screening, and immunizations/titers. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including pre/post-admissions requirements and program contact information view the Program Information Guide at epcc.edu/Academics/Health/ems

Prerec	quisite	Semester C	credit Hours
<b>EMSP</b>	1160	Clinical-Emergency Medica	1
		Technology/Technician (EM	IT
		Paramedic) I	1
<b>EMSP</b>	1501	Emergency Medical Technic	cian <u>5</u>
			6

I	First Se	emeste	r Credit Ho	ours
	<b>EMSP</b>	1161	Clinical-Emergency Medical	
			Technology/Technician (EMT	
			Paramedic) II	1
	EMSP	1356	Patient Assessment and Airway	
			Management	3
	EMSP	1438	Introduction to Advanced Practice	<u>4</u>
				0

Secon	d Seme	ester Credi	t Hours
<b>EMSP</b>	1162	Clinical-Emergency Medical	
		Technology/Technician (EMT	
		Paramedic) III	1
<b>EMSP</b>	1355	Trauma Management	3
<b>EMSP</b>	2305	EMS Operations	<u>3</u>
			7

Third	Semes	ter (Summer) Credit	Hours		
EMSP	2306	Emergency Pharmacology or			
RNSG	1301	Pharmacology	3		
EMSP	2444	Cardiology	4		
			<u>4</u> 7		
			,		
Fourt	h Seme	ster Credit	Hours		
<b>EMSP</b>	2160	Clinical-Emergency Medical			
		Technology/Technician (EMT			
		Paramedic) IV	1		
<b>EMSP</b>	2430	Special Populations	4		
<b>EMSP</b>	2534	Medical Emergencies	<u>5</u>		
		•	10		
Fifth S	Semest	er Credit	Hours		
EMSP	2143	Assessment Based Management	1		
<b>EMSP</b>	2266	Practicum (or Field Experience)-			
		Emergency Medical Technology/			
		Technician (EMT Paramedic)	2		
		,	2 3		
Total Credit Hours 41					

# Emergency Medical Technician (EMT) Certificate

#### Certificate of Completion (C1-EMTC)

The Certificate of Completion in Emergency Medical Technician (EMT) articulates classroom, clinical, and field experience to prepare students for a career in out-of-hospital emergency medical care. Emergency Medical Services (EMS) Personnel, through performance of patient assessments and initial treatment of medical emergencies of the acutely ill or injured, work to prevent and reduce mortality and morbidity. Students entering the Paramedic program must possess a current Emergency Medical Technician (EMT) certification/registration. Successful completion of this program allows graduates to take the National Registry Examinations for Emergency Medical Technician.

- Students are encouraged to have a strong reading level to succeed in the coursework, see an academic counselor or advisor for guidance.
- Capstone experience: EMSP 1501, Emergency Medical Technician.
- Minimum grade required for specialized courses: C
- This program is approved by the Texas Department of State Health Services, Division of Emergency Management.
- This program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation of the Committee on Accreditation of Education Programs for the Emergency Medical Services Professions (CoAEMSP).
- Medical Advisor: Jose Crespo, M.D.

#### Important:

This program does not follow the Specialized Admissions procedure but it does require students to fulfill certain program-specific criteria including (but not limited to): minimum GPA, testing scores, background check, substance abuse screening, and immunizations/titers. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including pre/post-admissions requirements and program contact information view the Program Information Guide at epcc.edu/Academics/Health/ems

One S	emeste	r Credit H	lours
BIOL	2401	Anatomy & Physiology I (Lecture +	
		Lab) (C)	4
<b>EMSP</b>	1160	Clinical-Emergency Medical	
		Technology/Technician (EMT	
		Paramedic) I	1
<b>EMSP</b>	1501	Emergency Medical Technician	5
<b>ENGL</b>	1301	Composition I (C)	3
FIRS	1103	Firefighter Agility and Fitness	
		Preparation or	
KINE	11XX	Kinesiology Elective <sup>1</sup> (1100 Series)	1
PSYC	2301	General Psychology (C) or	
PSYC	2314	Lifespan Growth & Development (C)	<u>3</u>
			17
Total C	redit Hou	rs	17

<sup>1</sup>Kinesiology Elective: Complete one course from KINE 1100, 1104, 1108, 1116, or 1120.

### **Advanced EMT Certificate**

Certificate of Completion (C2-EMAD)

The Certificate of Completion in Advanced EMT articulates classroom, clinical, and field experience to prepare students for a career in out-of-hospital emergency medical care. Emergency Medical Services (EMS) Personnel, through the performance of patient assessments and initial treatment of medical emergencies of the acutely ill or injured, work to prevent and reduce mortality and morbidity. Students entering the Paramedic program must possess a current Emergency Medical Technician (EMT) certification/registration. Successful completion of this program allows graduates to take the National Registry Examination for Advanced Emergency Medical Technician. Graduates may then transfer to a university to complete a Bachelor of Science in EMS or Allied Health.

- Students are encouraged to have a strong reading level to succeed in the coursework, see an academic counselor or advisor for guidance.
- Capstone experience: EMSP 2305, EMS Operations.
- Minimum grade required for specialized courses: C
- This program is approved by the Texas Department of State Health Services, Division of Emergency Management.
- This program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation of the Committee on Accreditation of Education Programs for the Emergency Medical Services Professions (CoAEMSP).
- Medical Advisor: Jose Crespo, M.D.

#### Important:

This program does not follow the Specialized Admissions procedure but it does require students to fulfill certain program-specific criteria including (but not limited to): minimum GPA, testing scores, background check, substance abuse screening, and immunizations/titers. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program

For more information including pre/post-admissions requirements and program contact information view the Program Information Guide at epcc.edu/Academics/Health/ems

First Ser	meste	r (Summer) Credit Ho	urs
BIOL	2401	Anatomy & Physiology I (Lecture +	
		Lab) (C)	4
EMSP	1160	Clinical-Emergency Medical	
		Technology/Technician (EMT	
		Paramedic) I	1
EMSP	1501	Emergency Medical Technician	<u>5</u>
			10

Second	d Seme	ster Credit H	ours
BIOL	2402	Anatomy & Physiology II (Lecture +	
		Lab) (C)	4
EMSP	1161	Clinical-Emergency Medical	
		Technology/Technician (EMT	
		Paramedic) II	1
EMSP	1356	Patient Assessment and Airway	
		Management	3
EMSP	1438	Introduction to Advanced Practice	4
		Humanities or Fine Arts Elective <sup>1</sup> (C)	<u>3</u>
			15

Third S	Semest	er Cı	redit Hours
EMSP	1162	Clinical-Emergency Medical	
		Technology/Technician (EM	Γ
		Paramedic) III	1
EMSP	1355	Trauma Management	3
EMSP	2305	EMS Operations	3
		Open Elective <sup>2</sup>	<u>1</u>
			8
Total Cr	33		

<sup>1</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306. 
<sup>2</sup>Open Elective: Complete one course from EMSP 1147, 2135, HPRS 1205, 1206, or any college-level course.

# **Community Paramedic Certificate**

Enhanced Skills Certificate of Completion (C3-EMCP)

This one semester classroom and clinical education program provides education and training for those paramedics who respond to specific health needs in the community. The Community Paramedic program will prepare students for roles in outreach, wellness, health screening assessments, health teaching, providing immunizations, wound care, recognition of mental health issues, disease management, etc. Community paramedics function as physician extenders in providing care to patients, immigrants, impoverished families and patients with overall poor health.

Community paramedics assist with minor and chronic health problems in the patient's home rather than routinely driving patients to a hospital emergency room, therefore reducing readmissions and preventing unnecessary ambulance transports. Successful completion of this program allows graduates to be eligible for the Exam by International Board for Specialty Certification (IBSC), CP-C Examination (Certified Community Paramedics).

 Students may enroll in selected courses prior to completion of an Associate of Applied Science Degree in Emergency Medical Services-Paramedic.

- Courses may be completed as co-requisites within the same semester or HPRS 2301 and HPRS 1202 may be completed as prerequisites to EMSP 1471 and EMSP 1163
- Minimum grade required for specialized courses: C
- This program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation of the Committee on Accreditation of Education Programs for the Emergency Medical Services Professions (CoAEMSP).
- Medical Advisor: Jose Crespo, M.D.

#### Important:

This program does not follow the Specialized Admissions procedure but it does require students to fulfill certain program-specific criteria including (but not limited to): minimum GPA, testing scores, background check, substance abuse screening, and immunizations/titers. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including pre/post-admissions requirements and program contact information view the Program Information Guide at epcc.edu/Academics/Health/ems

One S	emeste	r Credit	Hours
<b>EMSP</b>	1163	Clinical-Emergency Medical	
		Technology/Technician (EMT	
		Paramedic)	1
EMSP	1471	Community Paramedic	4
HPRS	1202	Wellness and Health Promotion	2
HPRS	2301	Pathophysiology	<u>3</u>
			10
Total Credit Hours			

# Critical Care/Flight Paramedic Certificate

Enhanced Skills Certificate of Completion (C3-EMFP)

This one semester classroom and clinical education program provides education and training for those paramedics who function as members of a critical care transport team. Successful completion of this program allows graduates to be eligible for the Exam by International Board for Specialty Certification (IBSC), Certified Flight Paramedic (FP-C) and Certified Critical Care Paramedic (CCP-C).

- Students may enroll in selected courses prior to completion of an Associate of Applied Science Degree in Emergency Medical Services-Paramedic.
- Courses may be completed as co-requisites within the same semester or HPRS 2301 may be completed as a prerequisite to EMSP 2458 and EMSP 2163.
- Minimum grade required for specialized courses: C
- This program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation of the Committee on Accreditation of Education Programs for the Emergency Medical Services Professions (CoAEMSP).
- Medical Advisor: Jose Crespo, M.D.

#### Important:

This program does not follow the Specialized Admissions procedure but it does require students to fulfill certain program-specific criteria including (but not limited to): minimum GPA, testing scores,

background check, substance abuse screening, and immunizations/titers. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including pre/post-admissions requirements and program contact information view the Program Information Guide at epcc.edu/Academics/Health/ems

One S	emester	Credit I	<b>Hours</b>
EMSP	2163	Clinical-Emergency Medical	
		Technology/Technician (EMT	
		Paramedic)	1
<b>EMSP</b>	2458	Critical Care Paramedic	4
HPRS	2301	Pathophysiology	<u>3</u>
			8
Total Cr	edit Hours	S	8

## **Health Information Management**

Associate of Applied Science Degree (AAS-HIMA)

The Associate of Applied Science Degree in Health Information Management (HIM) prepares individuals for a career as Health Information Professionals. HIM is the practice of acquiring, analyzing, and protecting digital and traditional medical information vital to providing quality patient care. HIM professionals are highly trained in the latest information management technology applications and understand the workflow in any healthcare provider organization from large hospital systems to the private physician practices. They are vital to the daily operations management of health information and electronic health records. Successful completion of this program allows graduates to sit for the Registered Health Information Technician (RHIT) Examination

- Capstone experience: HITT 2266, Practicum (or Field Experience)-Health Information/Medical Records Technology/Technician I.
- Minimum grade required for specialized courses: C
- The Health Information Management program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/health-information-management

Prerec	uisite :	Semester Credit H	ours
BIOL	2404	Anatomy & Physiology (Specialized,	
		Single-Semester Course, Lecture +	
		Lab) (C) (MNS)	4
HITT	2430	Pathophysiology and Pharmacology	4
HPRS	1206	Essentials of Medical Terminology	2
			10

First S	emeste	er Credit	Hours
<b>ENGL</b>	1301	Composition I (C)	3
HITT	1301	Health Data Content and Structure	3
HITT	1311	Health Information Systems	3
HITT	1345	Health Care Delivery Systems	<u>3</u>
			12

Secon	d Seme	ster Credit H	ours
HITT	1260	Clinical-Health Information/Medical	
		Records Technology/Technician I	2
HITT	1341	Coding and Classification Systems	3
HITT	1353	Legal and Ethical Aspects of Health	
		Information	3
		Social and Behavioral Sciences	
		Elective <sup>1</sup> (C) (SBS)	3
			11

Third	Semest	Credit Ho	ours	
HITT	1342	Ambulatory Coding		3
		Core Curriculum Electiv	$e^{2}(C)$	<u>3</u>
				6

Fourth	Seme	ster Credit H	ours
HITT	2260	Clinical-Health Information/Medical	
		Records Technology/Technician II	2
HITT	2335	Coding and Reimbursement	
		Methodologies	3
MATH	1342	Elementary Statistical Methods (CF)	
		(MNS)	3
PHIL	2306	Introduction to Ethics (C) (HFA)	3
			11

Fifth S	emeste	er Credit Ho	ours
HITT	2149	RHIT Competency Review	1
HITT	2266	Practicum (or Field Experience)-	
		Health Information/Medical Records	
		Technology/Technician I	2
HITT	2339	Health Information Organization and	
		Supervision	3
HITT	2443	Quality Assessment and Performance	
		Improvement	<u>4</u>
			10
Total Cr	edit Hour	rs	60

<sup>1</sup>Social and Behavioral Sciences Electives: Complete one course from GOVT 2305, 2306, PSYC 2301, 2314, SOCI 1301, or 2301. <sup>2</sup>Core Curriculum Elective: Complete SPCH 1315 or SPCH 1321 (preferred) or one course from the Core Curriculum, see the Core Curriculum section of the catalog for a listing of courses. Courses may not be used more than once within the degree plan.

# Medical Coding & Billing Certificate

Certificate of Completion (C2-HIMC)

The Certificate of Completion in Health Information Management-Medical Coding and Billing is the transformation of verbal descriptions of diseases, injuries, and procedures into alphanumeric designations. The coding of health-related data permits access to medical records by diagnoses and procedures for use in clinical care, research, and education. Today, there are many demands for accurately coded data from medical record in all types of health care institutions. In addition to their use on claims for reimbursement, codes are included on data sets used to evaluate the processes and outcomes of health care. Successful completion of this program allows graduates to take the Certified Coding Specialist (C.C.S.) examination and/or the Certified Coding Specialist for Physician's Office (C.C.S.P.) examination. At least two years of work experience is recommended prior to taking the certification examination(s).

- Capstone experience: HITT 1267, Practicum (or Field Experience)-Health Information/Medical Records Technology/Technician II.
- Minimum grade required for specialized courses: C
- Most courses in this Certificate of Completion are also applicable to students completing the Associate of Applied Science Degree in Health Information Management.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/health-information-management

Prerequ	uisite S	Semester Credit Hou	rs
BIOL	2404	Anatomy & Physiology (Specialized,	
		Single-Semester Course, Lecture +	
		Lab) (C)	4
BCIS	1305	Business Computer Applications or	
COSC	1301	Introduction to Computing or	
ITSC	1301	Introduction to Computers	3
HPRS	1206	Essentials of Medical Terminology	2
			9

First S	Semest	er Credit H	lours
HITT	1301	Health Data Content and Structure	3
HITT	1311	Health Information Systems	3
HITT	2430	Pathophysiology and Pharmacology	<u>4</u>
			10

Secon	d Seme	ester Credit H	ours
HITT	1166	Practicum (or Field Experience)-	
		Health Information/Medical Records	
		Technology/Technician I	1
HITT	1270	Documentation Practices	2
HITT	1341	Coding and Classification Systems	3
HPRS	1209	Interpretation of Laboratory Results	2
			8

Third	Semest	<b>Credit Hours</b>	
HITT	1342	Ambulatory Coding	3
HITT	1353	Legal and Ethical Aspe	cts of Health
		Information	<u>3</u>
			6

Fourt	h Seme	ster Credit H	ours
HITT	1267	Practicum (or Field Experience)-	
		Health Information/Medical Records	
		Technology/Technician II	2
HITT	2245	Coding Certification Exam Review	2
HITT	2340	Advanced Medical Billing and	
		Reimbursement	3
HITT	2346	Advanced Medical Coding	<u>3</u>
			10
Total C	redit Hou	rs	43

## **Medical Transcription Certificate**

Certificate of Completion (C2-MRMT)

The Certificate of Completion in Medical Transcription combines the disciplines of medicine and computer applications within the health care industry. Medical Transcriptionists are specialists in medical language and healthcare documentation that interpret and transcribe dictation by physicians and other healthcare professionals, editing dictated material for grammar and clarity as necessary and appropriate. Students need excellent English language skills, good hearing acuity, ability to listen, good keyboard skills, and the ability to work seated for long periods of time. The Medical Transcription Certificate of Completion program is a flexible, distance learning, internet-based program. Successful completion of this program allows graduates to take the Registered Medical Transcriptionist (R.M.T.) Examination administered by The Association for Healthcare Documentation Integrity.

- Capstone experience: MRMT 2463, Clinical-Medical Transcription/Transcriptionist II.
- Minimum grade required for specialized courses: C

#### Important:

This program does not follow the Specialized Admissions procedure but it does require students to fulfill certain program-specific criteria including (but not limited to): testing scores, background check, substance abuse screening, and immunizations/titers. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including pre/post-admissions requirements and program contact information view the Program Information Guide at epcc.edu/Academics/Health/medical-transcription

First Semester Credit Ho			ours
HITT	1205	Medical Terminology I	2
MRMT	1307	Medical Transcription I	3
MRMT	1370	Introduction to Medical Transcription	3
SCIT	1407	Applied Human Anatomy and	
		Physiology I	4
			12

Second	d Seme	ester Credit H	ours
HITT	2331	Medical Terminology-Advanced	3
HITT	2430	Pathophysiology and Pharmacology	4
MRMT	2433	Medical Transcription II	4
MRMT	2462	Clinical-Medical Transcription/	
		Transcriptionist I	<u>4</u>
		_	15
Third S	Semes	ter (Summer) Credit H	ours
Third :	<b>Semes</b> 2357	ter (Summer) Credit Ho Advanced Medical Transcription	ours 3
MRMT	2357	Advanced Medical Transcription	
MRMT	2357	Advanced Medical Transcription Clinical-Medical Transcription/	3
MRMT	2357	Advanced Medical Transcription Clinical-Medical Transcription/	3
MRMT	2357 2463	Advanced Medical Transcription Clinical-Medical Transcription/ Transcriptionist II	3

## Medical Assisting Technology

Associate of Applied Science Degree (AAS-MDCA)

The Associate of Applied Science Degree in Medical Assisting Technology prepares students to work in direct patient care, administrative clinic offices, doctor offices, or other medical facilities. Students learn about medical ethics, terminology, anatomy, physiology, pharmacology, phlebotomy, EKG's, laboratory procedures, and clinical procedures, including patient preparation and screening. Successful completion of the Medical Assisting Technology Certificate coursework allows graduates to sit for the Certified Medical Assisting (CMA) Exam offered through the American Association of Medical Assistants organization (AAMA) or the Registered Medical Assisting (RMA) exam offered through the American Medical Technologist (AMT) organization.

- Capstone experience: MDCA 1264, Practicum (or Field Experience)-Medical/Clinical Assistant.
- Minimum grade required for specialized courses: C.
- The Medical Assisting program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), (9355-113th St. N, #7709, Seminole, FL 33775; 727-210-2350; www.caahep.org) upon the recommendation of the Medical Assisting Education Review Board (MAERB).

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/medical-assisting-technology

Fall Semester		Credit Hou	
MDCA	1305	Medical Law and Ethics	3
MDCA	1313	Medical Terminology for	
		Medical Assistants	3
MDCA	1409	Anatomy and Physiology for Medical	
		Assistants	4
MDCA	1421	Administrative Procedures	4
MDCA	1443	Medical Insurance	<u>4</u>
			18

Spring	Semes	ster Credit H	ours
MDCA	1310	Medical Assistant Interpersonal and	
		Communication Skills	3
MDCA	1417	Procedures in a Clinical Setting I	4
MDCA	1448	Pharmacology & Administration of	
		Medications	4
MDCA	1452	Medical Assistant Laboratory	
		Procedures	<u>4</u>
			15

Summ	er Ses	sion Credit H	ours
ENGL	1301	Composition I (C)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Humanities or Fine Arts Elective <sup>1</sup> (C)	
		(HFA)	3
		Mathematics Elective <sup>2</sup> (C) (MNS)	3
		Social and Behavioral Sciences <sup>3</sup> (C)	
		(SBS)	3
			15

Fall Se	emester	Credit Ho	ours
ECRD	1211	Electrocardiography	2
HPRS	1202	Wellness and Health Promotion or	
HPRS	1209	Interpretation of Laboratory Results	2
MDCA	1264	Practicum (or Field Experience)-	
		Medical/Clinical Assistant	2
MDCA	1370	Procedures in a Clinical Setting II	3
MDCA	1371	Medical Assisting Credentialing Exam	
		Review	<u>3</u>
			12
Total Cr	edit Hour	s	60

**Humanities or Fine Arts Elective:** Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

<sup>2</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>3</sup>Social and Behavioral Sciences Elective: PSYC 2301, 2314, or SPCH 1318

# Administrative Medical Assistant Certificate

Certification of Completion (C1-MDMA)

The Certificate of Completion in Administrative Medical Assistant prepares students to work in the out-patient clinical setting and hospital institutions by providing clerical support to all health professionals by performing a variety of duties such as; Scheduling and confirming patients appointments, Handling Billing, Bookkeeping and Insurance Processing, Creating and Maintaining Medical Records, Handling Correspondence, Answering and Routing Telephone Calls, Arranging for Hospital Admissions. Students learn

about medical law & ethics, medical terminology, anatomy & physiology, medical insurance, including patient registration. Administrative psychomotor competencies include; Telephone calls triage, taking messages, insurance coding and filing, greeting the patient, assist the patient with community resources, and handling emergency situations. Successfully completing the Administrative Medical Assistant coursework of 18 credit hrs. allows the student to receive a certificate of completion level 1 as an Administrative Medical Assistant, a certificate on fire safety provided by the emergency management department at EPCC and the vision & hearing certificate provided by the Texas Department of State Health Services.

- Capstone experience: MDCA 1421, Administrative Procedures.
- · Minimum grade required for specialized courses: C.
- The Medical Assisting Certificate program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), (9355-113th St. N, #7709, Seminole, FL 33775; 727-210-2350; www.caahep.org) upon the recommendation of the Medical Assisting Education Review Board (MAERB).

#### Important:

This program does not follow the Specialized Admissions procedure but it does require students to fulfill certain program-specific criteria including (but not limited to): minimum GPA, a background check, substance abuse screening, and immunizations/titers. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/medical-assisting-technology

Fall Se	mester	r Credit Ho	ours
MDCA	1305	Medical Law and Ethics	3
MDCA	1313	Medical Terminology for	
		Medical Assistants	3
MDCA	1409	Anatomy and Physiology for Medical	
		Assistants	4
MDCA	1421	Administrative Procedures	4
MDCA	1443	Medical Insurance	<u>4</u>
			18
Total Credit Hours			18

# Medical Assisting Technology Certificate

Certification of Completion (C2-MDCC)

The Certificate of Completion in Medical Assisting Technology prepares students to work in direct patient care, administrative clinic offices, doctor offices, or other medical facilities. Students learn about medical ethics, terminology, anatomy, and physiology. Successful completion of the Medical Assisting Technology Certificate coursework allows graduates to sit for the Certified Medical Assisting (CMA) Exam offered through the American Association of Medical Assistants organization (AAMA) or the Registered Medical Assisting (RMA) exam offered through the American Medical Technologist (AMT) organization.

- Capstone experience: MDCA 1264, Practicum (or Field Experience)- Medical/Clinical Assistant.
- Minimum grade required for specialized courses: C

 The Medical Assisting Certificate program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), (9355-113th St. N, #7709, Seminole, FL 33775; 727-210-2350; www.caahep.org) upon the recommendation of the Medical Assisting Education Review Board (MAERB).

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/medical-assisting-technology

Fall Se	meste	r Credit Ho	ours
MDCA	1305	Medical Law and Ethics	3
MDCA	1313	Medical Terminology for	
		Medical Assistants	3
MDCA	1409	Anatomy and Physiology for Medical	
		Assistants	4
MDCA	1421	Administrative Procedures	4
MDCA	1443	Medical Insurance	<u>4</u>
			18

Spring	Seme	ster Credit H	ours
MDCA	1310	Medical Assistant Interpersonal and	
		Communication Skills	3
MDCA	1417	Procedures in a Clinical Setting I	4
MDCA	1448	Pharmacology & Administration of	
		Medications	4
MDCA	1452	Medical Assistant Laboratory	
		Procedures	4
			15

Fall Se	meste	r Credit Ho	ours
ECRD	1211	Electrocardiography	2
MDCA	1264	Practicum (or Field Experience)-	
		Medical/Clinical Assistant	2
MDCA	1370	Procedures in a Clinical Setting II	3
MDCA	1371	Medical Assisting Credentialing Exam	
		Review	<u>3</u>
			10
Total Credit Hours			43

# Medical Imaging Technology -Radiography

Associate of Applied Science Degree (AAS-MITR)

The Associate of Applied Science Degree in Medical Imaging Technology-Radiography prepares individuals to operate radiographic equipment and ready patients for various types of diagnostic procedures. Radiographers operate radiographic equipment necessary for examinations, position patients, and determine proper techniques for each image. Successful completion

of this program allows graduates to apply for certification by the American Registry of Radiologic Technologists.

- Capstone experience: RADR 2235, Radiologic Technology Seminar.
- Minimum grade required for specialized courses: C; EXCEPT for the mandatory course RADR 1317, which requires a B or better.
- This 24-month program is approved by the Joint Review Committee on Education in Radiologic Technology.
- Medical Advisor: Melhem Ghaleb,, M.D.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at: epcc.edu/Academics/Health/medical-imaging-technology

Prerec	<sub>l</sub> uisite	Semester Credit Ho	ours
BIOL	2404	Anatomy & Physiology (Specialized,	
		Single-Semester Course, Lecture +	
		Lab) (C) (MNS)	4
RADR	1317	Radiographic Anatomy and	
		Physiology I	<u>3</u>
			7

First S	emest	er Credit Ho	ours
RADR	1262	Clinical-Radiologic Technology/	
		Science-Radiographer I	2
RADR	1313	Principles of Radiographic Imaging I	3
RADR	1411	Basic Radiographic Procedures	4
RADR	2309	Radiographic Imaging Equipment	<u>3</u>
			12

Secon	d Seme	ester Credit Ho	ours
MATH	1314	College Algebra (C) (MNS)	3
RADR	1363	Clinical-Radiologic Technology/	
		Science-Radiographer II	3
RADR	2205	Principles of Radiographic Imaging II	2
RADR	2213	Radiation Biology and Protection	2
RADR	2401	Intermediate Radiographic	
		Procedures	<u>4</u>
			14

Third	Semes	ter (Summer)	Credit Hours
RADR	1462	Clinical-Radiologic Te	chnology/
		Science-Radiographer	III 4
RADR	2333	Advanced Medical Im	aging <u>3</u>
			7

Fourtl	n Seme	ester Credit H	ours
<b>ENGL</b>	1301	Composition I (C)	3
RADR	1463	Clinical-Radiologic Technology/	
		Science-Radiographer IV	4
RADR	2431	Advanced Radiographic Procedures	<u>4</u>
			11

Fifth S	Semest	er Credit I	Hours
PHIL	2306	Introduction to Ethics (C) (HFA)	3
PSYC	2301	General Psychology (C) (SBS)	3
RADR	1563	Clinical-Radiologic Technology/	
		Science-Radiographer V	5
RADR	2235	Radiologic Technology Seminar	<u>2</u>
			13
Total Cı	64		

## **Medical Laboratory Technology**

Associate of Applied Science Degree (AAS-MLAB)

The Associate of Applied Science Degree in Medical Laboratory Technology is an Allied Health specialty that assists with the diagnosis, treatment, and prevention of disease using clinical laboratory tests. Medical Laboratory Technicians (MLTs) perform, review, and report a wide range of moderate complex laboratory procedures on blood and body fluids under the supervision of a Medical Laboratory Scientist and/or Laboratory Supervisor. MLTs operate, monitor, and troubleshoot laboratory instruments using analytical skills and quality control principles to recognize factors that could lead to laboratory diagnostic errors. The Medical Laboratory Technology program is proud to have maintained a 100% student passing rate for several years.

Successful completion of this program allows graduates to take the Medical Laboratory Technician national certification examinations administered through the American Society for Clinical Pathology Board of Certification (ASCP-BOC). The awarding of the AAS Degree is not contingent upon the passing of an external licensure or certification examination. MLT students are eligible to take the AMT phlebotomy certification after having successfully completed MLAB 1201, Introduction to Clinical Laboratory Science and MLAB 2360, Clinical-Clinical/Medical Laboratory Technician.

- Capstone experience: MLAB 2238, Advanced Topics in Medical Laboratory Technician/Assistant.
- Minimum grade required for specialized courses: C
- This 18-month program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).
- Medical Advisor: Ellen Dudrey, M.D.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/medical-laboratory-technology

Prerec	quisite	Semester Credit Ho	ours
BIOL	2404	Anatomy & Physiology (Specialized,	
		Single-Semester Course, Lecture +	
		Lab) (C) (MNS) [Recommended	
		Summer Session I]	4
<b>ENGL</b>	1301	Composition I (C)	
		[Recommended Summer Session I]	3
HPRS	1206	Essentials of Medical Terminology	
		[Recommended Summer Session II]	2
MLAB	1201	Introduction to Clinical Laboratory	
		Science [Recommended Summer	
		Session II]	2
		Mathematics Elective (C) (MNS)	
		[Recommended Summer Session II]	<u>3</u>
			14

First S	emest	er Credit Ho	ours
BIOL	2420	Microbiology for Non-Science Majors	
		(Lecture + Lab) or	
BIOL	2421	Microbiology for Science Majors	
		(Lecture + Lab)	4
MLAB	1211	Urinalysis and Body Fluids	2
MLAB	1235	Immunology/Serology	2
MLAB	1415	Hematology	<u>4</u>
			12

Secon	d Seme	ester Credit Ho	ours
MLAB	1127	Coagulation	1
MLAB	2360	Clinical-Clinical/Medical Laboratory	
		Technician	3
MLAB	2431	Immunohematology	4
MLAB	2434	Clinical Microbiology	<u>4</u>
			12

	_		_
Third	Semes	ter (Summer)	Hours
MLAB	2461	Clinical-Clinical/Medical Laboratory	
		Technician	4
		Humanities or Fine Arts <sup>2</sup> (C) (HFA)	3
		Social and Behavioral Sciences <sup>3</sup> (C)	
		(SBS)	3
		` '	10

Fourth	ı Seme	ster Credit H	ours
MLAB	1231	Parasitology/Mycology	2
MLAB	2238	Advanced Topics in Medical	
		Laboratory Technician/Assistant	2
MLAB	2401	Clinical Chemistry	4
MLAB	2462	Clinical-Clinical/Medical Laboratory	
		Technician	3
			12
Total Cr	edit Hou	rs	60

<sup>&</sup>lt;sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1342, 2314, 2412, or 2413.

<sup>3</sup>Social and Behavioral Sciences Elective: Complete one course from PSYC 2301, SOCI 1301, or SPCH 1318.

#### Nursing

#### Associate of Applied Science Degree (AAS-RNSG) Certificate of Completion (C2-RNVN)

This articulated classroom and clinical education program prepares students to become eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Program graduates provide professional nursing care, patient teaching, effective communication, and management of patient care. Successful completion of the first semester of courses allows students to apply to take the examination for Certified Nursing Aides through the Texas Nurse Aide Registry. Successful completion of the AAS program allows graduates to take the NCLEX-RN exam.

- Capstone experience (Associate of Applied Science Degree): RNSG 2261, Clinical–Registered Nursing/ Registered Nurse.
- Capstone experience (Certificate of Completion)-Fundamentals of Nursing: RNSG 1260, Clinical– Registered Nursing/Registered Nurse.
- Minimum grade required for specialized <u>and</u> academic courses: C
- Students who successfully complete RNSG 1413 and RNSG 1260 with a "C" or better may apply for a Nurse Aide Certificate of Completion and are eligible to become a Certified Nursing Assistant.
- Students interested in obtaining licensure as a Licensed Vocational Nurse (LVN) may complete requirements for licensure eligibility via the VN spin-off after completing the first two semesters of the AAS Degree. The completion of the summer VN Spin-off courses, accompanied with graduation, will give the students a Vocational Nursing Certificate of Completion; the student is then eligible to take the NCLEX-PN exam.
- Students will be expected to pay all of the fees that are associated with ATI Standardized testing. Students who are admitted to the Associate Degree Nursing Program, in any of the different program tracks, will be required to pay a testing fee each semester as part of their registration fees. This fee will be assessed according to program code.
- Other fees may be assessed as needed.
- BIOL 2401, BIOL 2402, and RNSG 1301 have a ten-year limit. Biology courses may be taken prior to or concurrent with RNSG 1301. Biology courses must be lecture plus lab that totals four credits.
- BIOL 1306 and BIOL 1106 are prerequisites for BIOL 2401 and BIOL 2402. Prerequisites can be met through CLEP (College Level Examination Program) or course completion.
- RNSG 1301, Pharmacology is a mandatory and ranking course.
- This program has been approved by the Texas Education Agency, the Texas Higher Education Coordinating Board, and the Texas Board of Nursing. The AAS Degree in Nursing is accredited by the Accreditation Commission for Education in Nursing (ACEN).

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, background checks, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Nursing Counselor when considering applying to this program.

<sup>&</sup>lt;sup>2</sup>Humanities or Fine Arts Elective: Complete one course from PHIL 2306 (preferred), ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, ENGL 2322, 2323, 2332, 2333, 2341, 2351, DANC 2303, DRAM 1310, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301 or 2303

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/Nursing

Prere	quisite	Semester Credit H	ours
BIOL	2401	Anatomy & Physiology I (Lecture +	
		Lab) (C) (MNS)	4
BIOL	2402	Anatomy & Physiology II (Lecture +	
		Lab) (C) (MNS)	4
<b>ENGL</b>	1301	Composition I (C)	3
RNSG	1301	Pharmacology	3
		Mathematics Elective <sup>1</sup> (C) (MNS)	<u>3</u>
			17

First S	Semeste	er Credit Ho	ours
PSYC	2314	Lifespan Growth & Development (C) (SBS)	3
RNSG	1208	Dosage Calculations for Nursing	2
RNSG	1260	Clinical–Registered Nursing/Registered Nurse	2
RNSG	1413	Foundations for Nursing Practice Humanities or Fine Arts Elective <sup>2</sup> (C)	4
		(HFA)	3 14
Total Co	ertificate I	Hours	31

#### EXIT CERTIFICATE OF COMPLETION: Fundamentals of Nursing- C2-RNVN

Secon	d Seme	ester Credit H	ours
RNSG	1261	Clinical-Registered Nursing/	
		Registered Nurse	2
RNSG	1441	Common Concepts of Adult Health	4
RNSG	2213	Mental Health Nursing	2
RNSG	2260	Clinical-Registered Nursing/	
		Registered Nurse	<u>2</u>
			10

Third	Semes	ter Credit	Hours
RNSG	2201	Care of Children and Families	2
RNSG	2262	Clinical-Registered Nursing/	
		Registered Nurse	2
RNSG	2263	Clinical-Registered Nursing/	
		Registered Nurse	2
RNSG	2308	Maternal/Newborn Nursing and	
		Women's Health	<u>3</u>
			9

Fourt	h Seme	ster Credit H	ours	
RNSG	1343	Complex Concepts of Adult Health	3	
RNSG	2130	Professional Nursing Review and		
		Licensure Preparation	1	
RNSG	2162	Clinical-Registered Nursing/		
		Registered Nurse	1	
RNSG	2221	Professional Nursing: Leadership and		
		Management	2	
RNSG	2261	Clinical-Registered Nursing/		
		Registered Nurse	2	
		Open Elective <sup>3</sup>	<u>1</u>	
		•	10	
Total Cı	Total Credit Hours			

Mathematics Elective: Complete one course from MATH 1314,

<sup>2</sup>Humanities or Fine Arts Elective: Complete one course from ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, or 2306.

<sup>3</sup>Open Elective: Complete any college-level course. Courses may not be used more than once within the degree plan.

# Nursing - LVN to RN Transition **Option**

Associate of Applied Science Degree (AAS-LVRN)

This classroom and clinical education program prepares students to become eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Program graduates provide professional nursing care, patient teaching, effective communication, and management of patient care. Students who have previously completed a vocational nursing program will be able to transfer their vocational nursing courses to this program under the Texas Nursing Articulation Plan. Students must have current state licensure (from Texas or Compact State) as a Licensed Vocational/Practical Nurse. These students will receive credit for the first two semesters of the Associate of Applied Science Degree in Nursing (AAS). These students start the degree plan by enrolling in RNSG 1115, Health Assessment and RNSG 1347, Concepts of Clinical Decision-Making I and RNSG 1327, Transition to Professional Nursing and RNSG 1262, Clinical-Registered Nursing/Registered Nurse.

- Capstone experience: RNSG 2261, Clinical-Registered Nursing/Registered Nurse.
- Minimum grade required for specialized and academic courses: C
- Students enrolling in the LVN to RN Transition program may be given credit for the courses identified in the first and second semesters with a current LVN license. See a nursing counselor for information.
- Students will be expected to pay all of the fees that are associated with ATI Standardized testing. Students who are admitted to the Associate Degree Nursing Program, in any of the different program tracks, will be required to pay a testing fee each semester as part of their registration fees. This fee will be assessed according to program code.
- Other fees may be assessed as needed.
- In addition to the TEAS test, a second qualifying exam, the ATI PN Comprehensive Predictor Exam, is required for placement and qualification into the Nursing LVN-RN Program.
- BIOL 2401, BIOL 2402, and RNSG 1301 have a ten-year limit. Biology courses may be taken prior to or concurrent with RNSG 1301. Biology courses must be lecture plus lab that totals four credits.
- BIOL 1306 and BIOL 1106 are prerequisites for BIOL 2401 and BIOL 2402. Prerequisites can be met through CLEP (College Level Examination Program) or course
- RNSG 1301, Pharmacology is a prerequisite to RNSG 1327, RNSG 1262, and RNSG 1347.
- This program has been approved by the Texas Education Agency, the Texas Higher Education Coordinating Board, and the Texas Board of Nursing. The AAS Degree in Nursing is accredited by the Accreditation Commission for Education in Nursing (ACEN).

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, background checks, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the

Program Information Guide on the program's website and consult with a Nursing Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/Nursing

First S	Semest	er Credit H	lours
RNSG	1208	Dosage Calculations for Nursing	2
RNSG	1260	Clinical–Registered	
		Nursing/Registered Nurse	2
RNSG	1261	Clinical–Registered	
		Nursing/Registered Nurse	2
RNSG	1413	Foundations for Nursing Practice	4
RNSG	1441	Common Concepts of Adult Health	4
RNSG	2213	Mental Health Nursing	2
RNSG	2260	Clinical–Registered	
		Nursing/Registered Nurse	<u>2</u>
			18

Secon	d Seme	ester Credit Ho	ours
BIOL	2401	Anatomy & Physiology I (Lecture +	
		Lab) (C) (MNS)	4
BIOL	2402	Anatomy & Physiology II (Lecture +	
		Lab) (C) (MNS)	4
PSYC	2314	Lifespan Growth & Development (C)	
		(SBS)	3
RNSG	1301	Pharmacology	3
		Mathematics Elective (C) (MNS)	<u>3</u>
			17

Third	Semes	ter Credit 1	Hours
<b>ENGL</b>	1301	Composition I (C)	3
RNSG	1115	Health Assessment	1
RNSG	1262	Clinical-Registered Nursing/	
		Registered Nurse	2
RNSG	1327	Transition to Professional Nursing	3
RNSG	1347	Concepts of Clinical Decision-	
		Making I	3
		Open Elective <sup>2</sup>	<u>1</u>
			13

Fourt	h Seme	ester Credit Ho	ours	
RNSG	1343	Complex Concepts of Adult Health	3	
RNSG	2130	Professional Nursing Review and		
		Licensure Preparation	1	
RNSG	2162	Clinical-Registered Nursing/		
		Registered Nurse	1	
RNSG	2221	Professional Nursing: Leadership		
		and Management	2	
RNSG	2261	Clinical-Registered Nursing/		
		Registered Nurse	2	
		Humanities or Fine Arts Elective <sup>3</sup> (C)		
		(HFA)	<u>3</u>	
			12	
Total Cı	Total Credit Hours			

Mathematics Elective: Complete one course from MATH 1314, 1324, or 1342.

# **Pharmacy Technology**

Associate of Applied Science Degree (AAS-PHRA)

The Associate of Applied Science Degree in Pharmacy Technology provides specialized classroom and clinical education that prepares students with the knowledge, skills, and techniques to become vital members of the pharmacy care team. Typical job duties include reading and interpreting prescriptions, preparing and packaging prescriptions, managing pharmacy inventory, and preparing nonsterile and sterile pharmaceuticals. Successful completion of this program and passing of the Pharmacy Technician Certification Examination allows graduates to become a Certified Pharmacy Technician and subsequently should apply to become a Registered Pharmacy Technician by the Texas State Board of Pharmacy.

Disclaimer: The Pharmacy Technician Certification Board (PTCB) does not allow anyone to take the National Pharmacy Technician Certification Exam if they have been convicted of a felony that occurred within the last five years, and/or if the conviction was drug or pharmacy-related.

- Capstone experience: PHRA 2161, Clinical-Pharmacy Technician/Assistant III.
- · Minimum grade required for specialized courses: C
- Additional testing fees are required for this program. Amounts are displayed in the Health Careers & Technical Education Programs Testing Fees chart at the beginning of the Health Sciences section in this catalog.
- Students are required to register with Texas State Board of Pharmacy prior to clinical training.
- The Pharmacy Technology program is accredited by the Pharmacy Technician Accreditation Commission (PTAC) 4500 East-West Highway, Suite 900, Bethesda, MD 20814, phone: 301-664-8835, fax: 301-657-1251. www.ashp.org.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/pharmacytechnology

First S	emest	er Credit Ho	ours
PHRA	1215	Pharmacy Terminology	2
PHRA	1306	Computerized Drug Delivery Systems	3
PHRA	1309	Pharmaceutical Mathematics I	3
PHRA	1413	Community Pharmacy Practice	4
PHRA	1541	Pharmacy Drug Therapy and	
		Treatment	<u>5</u>
			17

<sup>&</sup>lt;sup>2</sup>Open Elective: Complete any college-level course. Courses may not be used more than once within the degree plan.

<sup>&</sup>lt;sup>3</sup>Humanities or Fine Arts Elective: Complete one course from ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, or 2306.

Secon	d Seme	ester Credit 1	Hours
PHRA	1243	Pharmacy Technician Certification	
		Review	2
PHRA	1261	Clinical-Pharmacy	
		Technician/Assistant I	2
PHRA	1304	Pharmacotherapy and Disease	
		Process	3
PHRA	1345	Compounding Sterile Preparations	3
PHRA	1347	Pharmaceutical Mathematics II	3
PHRA	2160	Clinical-Pharmacy Technician/	
		Assistant II	<u>1</u>
			11
			4

Third	Semes	ter Credit Ho	ours
ENGL	1301	Composition I (C)	3
		Life and Physical Sciences Elective <sup>1</sup>	
		(C) (MNS)	3
		Life and Physical Sciences Laboratory	
		Elective <sup>2</sup>	1
		Life and Physical Sciences Elective <sup>1</sup>	
		(C) (MNS)	3
		Life and Physical Sciences Laboratory	
		Elective <sup>2</sup>	1
		Humanities or Fine Arts Elective <sup>3</sup> (C)	
		(HFA)	<u>3</u>
			14

PHRA 2161 Clinical-Pharmacy Technician/ Assistant III Life and Physical Sciences Elective¹ (C) (MNS) 3 Life and Physical Sciences Laboratory Elective² 1 Life and Physical Sciences Elective¹ (C) (MNS) 3 Life and Physical Sciences Elective¹ (C) (MNS) 3 Life and Physical Sciences Laboratory Elective² 1 Social and Behavioral Sciences Elective⁴ (C) (SBS) 3 Speech Communication Elective⁵ 3	Fourt	h Seme	ester Credit Ho	ours
Life and Physical Sciences Elective <sup>1</sup> (C) (MNS)  Life and Physical Sciences Laboratory Elective <sup>2</sup> Life and Physical Sciences Elective <sup>1</sup> (C) (MNS)  Life and Physical Sciences Elective <sup>1</sup> (C) (MNS)  Life and Physical Sciences Laboratory Elective <sup>2</sup> Social and Behavioral Sciences Elective <sup>4</sup> (C) (SBS)  Speech Communication Elective <sup>5</sup> 3	PHRA	2161	Clinical-Pharmacy Technician/	
(C) (MNS)  Life and Physical Sciences Laboratory Elective <sup>2</sup> Life and Physical Sciences Elective <sup>1</sup> (C) (MNS)  Life and Physical Sciences Laboratory Elective <sup>2</sup> Social and Behavioral Sciences Elective <sup>4</sup> (C) (SBS)  Speech Communication Elective <sup>5</sup> 3			Assistant III	1
Life and Physical Sciences Laboratory Elective <sup>2</sup> 1 Life and Physical Sciences Elective <sup>1</sup> (C) (MNS) 3 Life and Physical Sciences Laboratory Elective <sup>2</sup> 1 Social and Behavioral Sciences Elective <sup>4</sup> (C) (SBS) 3 Speech Communication Elective <sup>5</sup> 3			Life and Physical Sciences Elective <sup>1</sup>	
Elective <sup>2</sup> 1 Life and Physical Sciences Elective <sup>1</sup> (C) (MNS) 3 Life and Physical Sciences Laboratory Elective <sup>2</sup> 1 Social and Behavioral Sciences Elective <sup>4</sup> (C) (SBS) 3 Speech Communication Elective <sup>5</sup> 3			(C) (MNS)	3
Life and Physical Sciences Elective <sup>1</sup> (C) (MNS) 3 Life and Physical Sciences Laboratory Elective <sup>2</sup> 1 Social and Behavioral Sciences Elective <sup>4</sup> (C) (SBS) 3 Speech Communication Elective <sup>5</sup> 3			Life and Physical Sciences Laboratory	
(C) (MNS)  Life and Physical Sciences Laboratory  Elective <sup>2</sup> Social and Behavioral Sciences  Elective <sup>4</sup> (C) (SBS)  Speech Communication Elective <sup>5</sup> 3			Elective <sup>2</sup>	1
Life and Physical Sciences Laboratory Elective <sup>2</sup> 1 Social and Behavioral Sciences Elective <sup>4</sup> (C) (SBS) 3 Speech Communication Elective <sup>5</sup> 3			Life and Physical Sciences Elective <sup>1</sup>	
Elective <sup>2</sup> 1 Social and Behavioral Sciences Elective <sup>4</sup> (C) (SBS) 3 Speech Communication Elective <sup>5</sup> 3			(C) (MNS)	3
Social and Behavioral Sciences Elective <sup>4</sup> (C) (SBS) 3 Speech Communication Elective <sup>5</sup> 3			Life and Physical Sciences Laboratory	
Elective <sup>4</sup> (C) (SBS) 3 Speech Communication Elective <sup>5</sup> 3			Elective <sup>2</sup>	1
Speech Communication Elective <sup>5</sup> $\underline{3}$			Social and Behavioral Sciences	
			Elective <sup>4</sup> (C) (SBS)	
			Speech Communication Elective <sup>5</sup>	<u>3</u>
15				15

Life and Physical Sciences Elective: Complete four courses from BIOL 1306 and 1307 (preferred), or CHEM 1311 and 1312 (preferred), or ASTR 1303, 1304, BIOL 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the Life & Physical Sciences Laboratory elective.

<sup>2</sup>Life and Physical Sciences Laboratory: Complete four Life and Physical Sciences Laboratory courses BIOL 1106 and 1107 (preferred) or CHEM 1111 and 1112 (preferred) or ASTR 1103, 1104, BIOL 1108, 1109, CHEM 1106, 1107, GEOL 1101, 1102, 1103, 1104, PHYS 1101, 1102, 1115, 2125, or 2126.

<sup>3</sup>Humanities or Fine Arts Elective: Complete one course from PHIL 2306 (preferred) or ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1301, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, or 2303.

<sup>4</sup>Social and Behavioral Sciences Elective: Complete one course from PSYC 2301 (preferred) or ECON 1301, 2301, 2302, PSYC 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

Speech Communication Elective: Complete one course from SPCH 1315 (preferred), 1318, or 1321. Courses may not be used more than once within the degree plan.

# **Pharmacy Technology Certificate**

Certificate of Completion (C2-PHRC)

The Certificate of Completion in Pharmacy Technology provides specialized classroom and clinical education that prepares students with the knowledge, skills, and techniques to become vital members of the pharmacy care team. Typical job duties include reading and interpreting prescriptions, preparing and packaging prescriptions, managing pharmacy inventory, and preparing non-sterile and sterile pharmaceuticals. Successful completion of this program and passing of the Pharmacy Technician Certification Examination allows graduates to become a Certified Pharmacy Technician and subsequently should apply to become a Registered Pharmacy Technician by the Texas State Board of Pharmacy.

Disclaimer: The Pharmacy Technician Certification Board (PTCB) does not allow anyone to take the National Pharmacy Technician Certification Exam if they have been convicted of a felony that occurred within the last five years, and/or if the conviction was drug or pharmacy-related.

- Capstone experience: PHRA 2161, Clinical-Pharmacy Technician/Assistant III.
- Minimum grade required for specialized courses: C
- Additional testing fees are required for this program.
   Amounts are displayed in the Health Careers & Technical Education Programs Testing Fees chart at the beginning of the Health Sciences section in this catalog.
- Students are required to register with Texas State Board of Pharmacy prior to clinical training.
- The Pharmacy Technology program is accredited by the Pharmacy Technician Accreditation Commission (PTAC) 4500 East-West Highway, Suite 900, Bethesda, MD 20814, phone: 301-664-8835, fax: 301-657-1251. www.ashp.org.

#### Important:

60

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/pharmacytechnology

First S	emest	er Credit Ho	ours
PHRA	1215	Pharmacy Terminology	2
PHRA	1306	Computerized Drug Delivery Systems	3
PHRA	1309	Pharmaceutical Mathematics I	3
PHRA	1413	Community Pharmacy Practice	4
PHRA	1541	Pharmacy Drug Therapy and	
		Treatment	<u>5</u>
			17

**Total Credit Hours** 

Secon	d Seme	ester Credit l	Hours
PHRA	1243	Pharmacy Technician Certification	
		Review	2
PHRA	1261	Clinical-Pharmacy	
		Technician/Assistant I	2
PHRA	1304	Pharmacotherapy and Disease	
		Process	3
PHRA	1345	Compounding Sterile Preparations	3
PHRA	1347	Pharmaceutical Mathematics II	3
PHRA	2160	Clinical-Pharmacy	
		Technician/Assistant II	1
PHRA	2161	Clinical-Pharmacy	
		Technician/Assistant III	<u>1</u>
			15
Total Credit Hours			32

## **Physical Therapist Assistant**

#### Associate of Applied Science Degree (AAS-PTHA)

The full-time Associate of Applied Science Degree in Physical Therapist Assistant prepares individuals for careers as Physical Therapist Assistants (PTAs). Licensed Physical Therapist Assistants work under the supervision of a licensed Physical Therapist to perform treatment interventions such as: manual therapy, motor relearning and supervised custom designed exercise programs to address movement impairments, chronic pain, and movement education for lifelong health and wellness. Successful completion of this program allows graduates to take the Licensure Examination administrated by the Federation of State Boards of Physical Therapy.

- Capstone experience: PTHA 2339, Professional Issues, this course is designed to prepare the student for the National Licensing Exam, professional engagement and successful employment.
- Minimum grade required for specialized <u>and</u> academic courses: B; EXCEPT for the following courses: ENGL 1301, HPRS 1206, PHIL 2306, and PSYC 2314, which require a C or better.
- HPRS 1206, Essentials of Medical Terminology is a prerequisite to PTHA 1309, Introduction to Physical Therapy.
- Additional testing fees are required for this program. Amounts are displayed in the Health Careers & Technical Education Programs Testing Fees chart at the beginning of the Health Sciences section in this catalog. FEES ARE NON-REFUNDABLE.
- The Physical Therapist Assistant program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE). 3030 Potomac Ave., Suite 100, Alexandria, Virginia 22305-3085. Phone: 703-706-3245/ 800-999-2782. Email: accreditation@apta.org Website: www.capteonline.org.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/physical-therapist-assistant

Prereq	uisite :	Semester Credit H	ours
BIOL	2401	Anatomy & Physiology I (Lecture +	
		Lab) (C) (MNS)	4
BIOL	2402	Anatomy & Physiology II (Lecture +	
		Lab) (C) (MNS)	4
<b>ENGL</b>	1301	Composition I (C)	3
HPRS	1206	Essentials of Medical Terminology	2
			13

First S	emeste	er Cred	lit Hours
PTHA	1225	Communication in Health Care	2
PTHA	1309	Introduction to Physical Therapy	3
PTHA	1321	Pathophysiology for the PTA	3
PTHA	1413	Functional Anatomy	<u>4</u>
		•	12

Second	l Seme	ster Credit 1	Hours
PTHA	1166	Practicum (or Field Experience)-	
		Physical Therapist Assistant	1
PTHA	1431	Physical Agents	4
PTHA	2301	Essentials of Data Collection	3
PTHA	2509	Therapeutic Exercise	<u>5</u>
			13

Third:	Semest	er (Summer) Credit H	ours
PHIL	2306	Introduction to Ethics (C) (HFA)	3
PSYC	2314	Lifespan Growth & Development (C)	
		(SBS)	3
PTHA	1167	Practicum (or Field Experience)-	
		Physical Therapist Assistant	1
PTHA	2166	Practicum (or Field Experience)-	
		Physical Therapist Assistant	<u>1</u>
			8

Fourth	Fourth Semester Cr		
PTHA	1491	Special Topics in Physical Therapy	
		Assistant	4
PTHA	2305	Neurology	3
PTHA	2431	Management of Neurological	
		Disorders	4
PTHA	2435	Rehabilitation Techniques	<u>4</u>
			15

Fifth S	emeste	er Credit H	Iours
PTHA	2266	Practicum (or Field Experience)-	
		Physical Therapist Assistant	2
PTHA	2339	Professional Issues	<u>3</u>
			5
Total Cr	edit Hou	rs	66

# Respiratory Care Technology

Associate of Applied Science Degree (AAS-RSPT)

The Associate of Applied Science Degree in Respiratory Care Technology is a health specialty program, which prepares students to be credentialed and licensed in the field of Respiratory Care. A respiratory therapist is directly involved in the care of patients with various forms of acute or chronic respiratory illnesses. Successful completion of this program allows graduates to sit for the NBRC's Therapist Multiple Choice Exam and Clinical Simulation Exam,

Pulmonary Function Technologist Exam, and the Perinatal/Pediatric Specialist Exam.

- Capstone experience: RSPT 2361, Clinical-Respiratory Care Therapy/Therapist IV.
- Minimum grade required for specialized courses: C
- The Respiratory Care Technology program is accredited by the Commission on Accreditation for Respiratory Care (CoARC).
- Medical Advisor: Gonzalo Diaz, M.D.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/respiratory-caretechnology

Prere	quisite	Semester Credit H	ours
BIOL	2404	Anatomy & Physiology (Specialized,	
		Single-Semester Course, Lecture +	
		Lab) (C) (MNS)	4
HPRS	1206	Essentials of Medical Terminology	2
RSPT	1201	Introduction to Respiratory Care	2
RSPT	2317	Respiratory Care Pharmacology	<u>3</u>
			11

First S	First Semester Credit Hot			
<b>ENGL</b>	1301	Composition I (C)	3	
RSPT	1340	Advanced Cardiopulmonary Anatomy		
		and Physiology	3	
RSPT	1360	Clinical-Respiratory Care		
		Therapy/Therapist I	3	
RSPT	1410	Respiratory Care Procedures I	<u>4</u>	
			13	

Secon	d Seme	ester Credit H	Iours
CHEM	1306	Introductory Chemistry I (Lecture)	
		(C) (MNS)	3
CHEM	1106	Introductory Chemistry I (Lab)	1
RSPT	1411	Respiratory Care Procedures II	4
RSPT	2310	Cardiopulmonary Disease	3
RSPT	2461	Clinical-Respiratory Care Therapy/	
		Therapist II	<u>4</u>
			15

Third	Semes	ter (Summer)	Credit Hours
RSPT	2239	Advanced Cardiac Life	Support 2
RSPT	2360	Clinical-Respiratory C	are
		Therapy/Therapist III	3
RSPT	2414	Mechanical Ventilation	n 4
		Social and Behavioral	Sciences
		Elective <sup>1</sup> (C) (SBS)	<u>3</u>
			12

Fourt	h Seme	ster Credit H	ours
PHIL	2306	Introduction to Ethics (C) (HFA)	3
RSPT	2130	Respiratory Care Examination	
		Preparation	1
RSPT	2135	Pediatric Advanced Life Support	1
RSPT	2358	Respiratory Care Patient Assessment	3
RSPT	2361	Clinical-Respiratory Care Therapy/	
		Therapist IV	3
RSPT	2453	Neonatal/Pediatric Cardiopulmonary	
		Care	4
			15
Total Credit Hours 66			

<sup>1</sup>Social and Behavioral Sciences Elective: Complete one course from PSYC 2301, 2314, or SOCI 1301.

## Surgical Technology

Associate of Applied Science Degree (AAS-SRGT)

Surgical Technologists are vital members of high-functioning surgical teams and work closely with physicians, registered nurses, and other surgical personnel to provide optimal patient care. Surgical technologists are responsible for creation and maintenance of the sterile field; anticipating the surgeon's needs; organization and care of surgical instrumentation; prevention of potential retained surgical items by performance of appropriate counts; and managing all areas of surgical procedures within their scope of practice and in coordination with the other team members before, during, and after surgery. Successful completion of this program allows graduates to take the Certified Surgical Technologist examination to become a Certified Surgical Technologist (CST) administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

- Capstone experience: taking the Certified Surgical Technologist examination.
- Minimum grade required for specialized <u>and</u> academic courses: C
- The AAS in Surgical Technology is accredited by the Commission on Accreditation of Allied Health Education Program (CAAHEP), (9355-113th St. N, #7709, Seminole, FL 33775; 727-210-2350; www.caahep.org) upon the recommendation of the Accreditation Review Council on Education in Surgical Technology/Surgical Assisting (19751 E. Mainstreet, Suite #339; Parker, Colorado 80138; Phone: 303-694-9262; email: info@arcstsa.net; web: www.arcstsa.org).

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, a background check, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/surgical-technology

First S	semest	er (Summer) Credi	it Hours
BIOL	2401	Anatomy & Physiology I (Lecture	+
		Lab) (C) (MNS)	4
HPRS	1206	Essentials of Medical Terminology	y <u>2</u>
			6

Secon	d Seme	ester Credit Ho	ours
BIOL	2402	Anatomy & Physiology II (Lecture +	
		Lab) (C) (MNS)	4
BIOL	2420	Microbiology for Non-Science Majors	
		(Lecture + Lab) or	
BIOL	2421	Microbiology for Science Majors	
		(Lecture + Lab)	4
<b>ENGL</b>	1301	Composition I (C)	<u>3</u>
		-	11

Third	Semest	ter Credit Ho	ours
PSYC	2301	General Psychology (C) (SBS) or	
PSYC	2314	Lifespan Growth & Development (C)	
		(SBS)	3
		Humanities or Fine Arts Elective <sup>1</sup> (C)	
		(HFA)	3
		Mathematics Elective <sup>2</sup> (C) (MNS)	3
		Speech Communication Elective <sup>3</sup>	3
		•	12

Fourt	h Seme	ster (Summer)	Credit Ho	ours
SRGT	1405	Introduction to Surgical	Technology	4
SRGT	1509	Fundamentals of Periop	erative	
		Concepts and Technique	es	<u>5</u>
				9

Fifth S	Semest	er Credit i	Hours
SRGT	1244	Technological Sciences for the	
		Surgical Technologist	2
SRGT	1541	Surgical Procedures I	5
SRGT	2560	Clinical-Surgical Technology/	
		Technologist I	<u>5</u>
			12

Sixth Semester			Credit Hours	
SRGT	1542	Surgical Procedures II	5	
SRGT	2561	Clinical-Surgical Technolog	gy/	
		Technologist II	<u>5</u>	
			10	
Total Cr	Total Credit Hours			

<sup>1</sup>Humanities or Fine Arts Elective: Complete one course from ENGL 2332, 2333, or 2341.

<sup>2</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>3</sup>Speech Communication Elective: Complete one course from SPCH 1315, 1318, or 1321.

# **Vocational Nursing Certificates**

Certificate of Completion (C2-VNSG) Certificate of Completion (C2-VCNA)

This articulated classroom and clinical education program prepares students to become eligible to take the Licensure Examination for Practical (Vocational) Nurses (NCLEX-PN). Vocational Nurses perform routine nursing procedures under the supervision of a Registered Nurse or physicians. These procedures include observation, reporting, and the environmental and physical

management of patients. Successful completion of the first semester of VNSG courses allows students to apply to test for Certified Nursing Aide through the Texas Nurse Aide Registry.

- Capstone experience (Certificate of Completion, C2-VNSG): VNSG 1263, Clinical–Licensed Practical/Vocational Nurse Training.
- Capstone experience (Certificate of Completion, C2-VCNA): VNSG 1260, Clinical Licensed Practical/Vocational Nurse Training.
- Minimum grade required for specialized <u>and</u> academic courses: C
- Students will be expected to pay all of the fees that are associated with ATI Standardized testing. Students who are admitted to the Vocational Nursing Program will be required to pay a testing fee each semester as part of their registration fees.
- Other fees may be assessed as needed.
- BIOL 2401, BIOL 2402, and RNSG 1301 have a ten-year limit. Biology courses may be taken prior to or concurrent with RNSG 1301. Biology courses must be lecture plus lab that totals fours credits.
- BIOL 1306 and BIOL 1106 are prerequisites for BIOL 2401 and BIOL 2402. Prerequisites can be met through CLEP (College Level Examination Program) or course completion.
- RNSG 1301, Pharmacology is a mandatory and ranking course.
- Students who successfully complete VNSG 1323, VNSG 1160 and VNSG 1402, VNSG 1260 with a "C" or better may apply for a Nurse Aide Certificate of Completion and are eligible to become a Certified Nursing Assistant.
- Only the high school students pursuing the Vocational Nursing program will not have to have Pharmacology and Math as a prerequisite for the first semester.
- VNSG 1160, VNSG 1260, VNSG 1323, VNSG 1402 may run concurrently and can be co-requisites for high school students only as appropriate.
- Students by special exception may take RNSG 1301 and VNSG 1227 after the first semester courses, VNSG 1160, VNSG 1260, VNSG 1323, and VNSG 1402.
- This program has been approved by the Texas Education Agency, the Texas Higher Education Coordinating Board, and the Texas Board of Nursing.

#### Important:

This program requires students to fulfill Specialized Admissions criteria and procedures, including (but not limited to): minimum GPA, testing scores, background checks, substance abuse screening, and immunizations/titers. Acceptance into this program is determined by a competitive ranking formula which factors in individual academic performance, Specialized Admissions criteria, and the successful completion of ranking and/or mandatory courses, as applicable. Students should view the Program Information Guide on the program's website and consult with a Health Career & Technical Education Counselor when considering applying to this program.

For more information including ranking dates, pre/post-admissions requirements, and program contact information, view the Program Information Guide at epcc.edu/Academics/Health/Nursing

30-32

Prere	nnisite :	Semester Credit H	lours
RNSG	1301	Pharmacology	3
VNSG	1133	Growth and Development <b>or</b>	
PSYC	2314	Lifespan Growth & Development (C)	1-3
VNSG	1405	Health Science or	
BIOL	2401	Anatomy & Physiology I (Lecture +	
		Lab) (C)	4
VNSG	1420	Anatomy and Physiology for Allied	
		Health or	
BIOL	2402	Anatomy & Physiology II (Lecture +	
		Lab) (C)	4
		Mathematics Elective <sup>1</sup> (C)	<u>3</u>
			15-17

First S	Semest	er C	redit Hours
<b>ENGL</b>	1301	Composition I (C)	3
VNSG	1160	Clinical-Licensed Practical/	
		Vocational Nurse Training	1
VNSG	1227	Essentials of Medication	
		Administration	2
VNSG	1260	Clinical-Licensed Practical/	
		Vocational Nurse Training	2
VNSG	1323	Basic Nursing Skills	3
VNSG	1402	Applied Nursing Skills I	<u>4</u>
			15

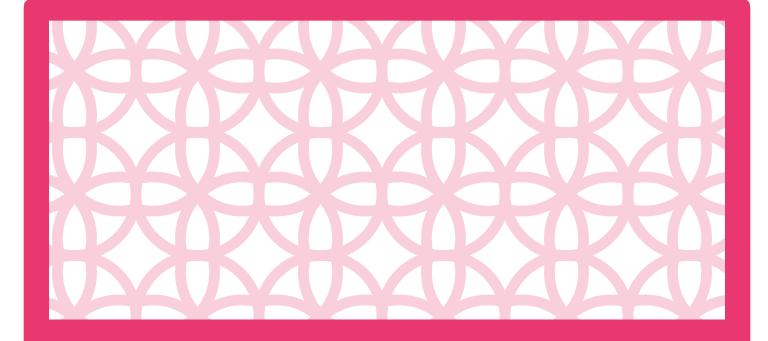
# **EXIT CERTIFICATE OF COMPLETION:** Fundamentals of Vocational Nursing-C2-VCNA

**Total Certificate Hours** 

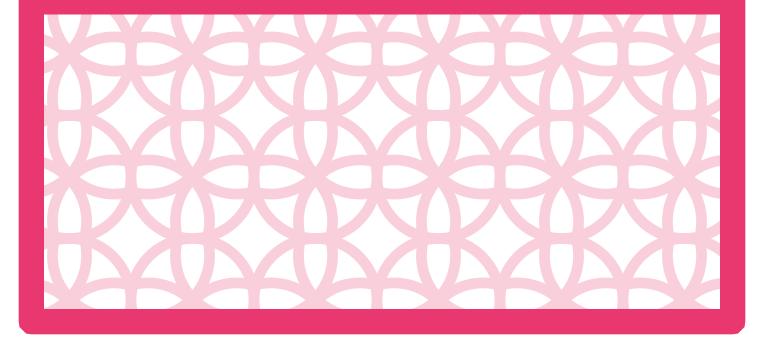
Secon	d Semo	ester Credit	Hours
VNSG	1161	Clinical-Licensed Practical/	
		Vocational Nurse Training	1
VNSG	1163	Clinical-Licensed Practical/	
		Vocational Nurse Training	1
VNSG	1166	Practicum (or Field Experience)-	
		Licensed Practical/Vocational	
		Nurse Training	1
VNSG	2214	Applied Nursing Skills III	2
VNSG	2413	Applied Nursing Skills II	<u>4</u>
		11 0	9

Third	Semes	ter (Summer) Cred	lit Hours	
VNSG	1219	Leadership and Professional		
		Development	2	
VNSG	1230	Maternal-Neonatal Nursing	2	
VNSG	1234	Pediatrics	2	
VNSG	1262	Clinical-Licensed Practical/		
		Vocational Nurse Training	2	
VNSG	1263	Clinical-Licensed Practical/		
		Vocational Nurse Training	<u>2</u>	
			10	
Total Cı	Total Credit Hours			

<sup>&</sup>lt;sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, or 1342.



# Industry, Manufacturing & Construction



# Industry, Manufacturing & Construction

# **Automotive Technology**

Associate of Applied Science Degree (AAS-AUMT)

The two-year Associate of Applied Science Degree in Automotive Technology provides the knowledge and skills necessary for entry-level employment in the automotive field and related areas. Students will learn the necessary skills needed to work in the repairing of engines, automatic transmission/transaxle; manual drive & axles; suspension & steering; brakes; electrical/electronic systems; heating & air conditioning; and engine performance. All courses abide by the National Institute of Automotive Service Excellence. The AAS Degree also offers certificate options; the certificates include some of the courses in the degree plan, providing students with alternate exit points. Students are required to obtain a basic tool kit and OSHA-approved safety glasses. The capstone course for the AAS Degree is AUMT 2310, Automotive Service Consultant.

For more information visit: epcc.edu/Academics/AutomotiveTechnology

First S	emeste	er Credit	Hours
AUMT	1307	Automotive Electrical Systems	3
AUMT	1319	Automotive Engine Repair	3
AUMT	2317	Automotive Engine Performance	
		Analysis I	3
		Social and Behavioral Sciences	
		Elective <sup>1</sup> (C) (SBS)	3
		Computer Elective <sup>2</sup>	<u>3</u>
		•	15

Second	l Seme	ster Credit	Hours
AUMT	1310	Automotive Brake Systems	3
AUMT	1316	Automotive Suspension and Steering	g
		Systems	3
AUMT	2337	Automotive Electronics	3
ENGL	1301	Composition I (C)	<u>3</u>
		-	12

Third S	Semest	er (Summer) Cree	dit Hours
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C) [Recommer	nded
		Summer Session I]	3
		Humanities or Fine Arts Elective	$e^3$ (C)
		(HFA) [Recommended Summer	
		Session I]	3
		Mathematics Elective (C) (MNS	S)
		[Recommended Summer Session	n II] 3
		-	9

Fourth	Semes	ster Credit H	lours
AUMT	2313	Automotive Drive Train and Axles	3
AUMT	2325	Automatic Transmission and	
		Transaxle	3
AUMT	2334	Automotive Engine Performance	
		Analysis II	3
AUMT	2380	Cooperative Education-Automobile/	
		Automotive Mechanics Technology/	
		Technician I or	
		Open Elective <sup>5</sup>	<u>3</u>
		•	12

Fifth Semester		er Credit Ho	Credit Hours	
AUMT	1345	Automotive Climate Control Systems	3	
AUMT	2310	Automotive Service Consultant	3	
AUMT	2321	Automotive Electrical Diagnosis and		
		Repair	3	
AUMT	2381	Cooperative Education-Automobile/		
		Automotive Mechanics Technology/		
		Technician II or		
		Open Elective <sup>5</sup>	3	
			12	
<b>Total Credit Hours</b>			60	

<sup>1</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>2</sup>Computer Elective: Complete one course from BCIS 1305, COSC 1301, or ITSC 1301.

<sup>3</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

<sup>4</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>5</sup>Open Elective: Complete any college-level course. Courses may not be used more than once within the degree plan.

# **Automotive Technology - One Year Certificate**

Certificate of Completion (C1-AUMC)

The Certificate of Completion in Automotive Technology-One Year covers the first-year curriculum of the Associate of Applied Science degree in Automotive Technology. Students learn the basics behind the theory and practical application of automotive repair. Students are encouraged to continue on to the Certificate of Completion-Two Year to learn more about automotive repair and increase their earning potential. The capstone course for the One Year Certificate of Completion is AUMT 2337, Automotive Electronics.

For more information, visit:

epcc.edu/Academics/AutomotiveTechnology

First S	emeste	r Credit 1	Hours
AUMT	1307	Automotive Electrical Systems	3
AUMT	1319	Automotive Engine Repair	3
AUMT	2317	Automotive Engine Performance	
		Analysis I	<u>3</u>
			9

Second Semester Cr			ours
AUMT	1310	Automotive Brake Systems	3
AUMT	1316	Automotive Suspension and Steering	
		Systems	3
AUMT	2337	Automotive Electronics	<u>3</u>
			9
<b>Total Credit Hours</b>			

# Automotive Technology - Two Year Certificate

Certificate of Completion (C2-AITY)

The Certificate of Completion in Automotive Technology-Two Year prepares students for entry-level work in the automotive repair profession. Students learn the theories involved in automotive repair, in addition to hands-on, practical experience. Students are encouraged to continue on the Associate of Applied Science in Automotive Technology once they have completed the Two Year Certificate of Completion to increase their knowledge and earning potential. The capstone course for the two-year Certificate of Completion is AUMT 2310, Automotive Service Consultant.

For more information, visit: epcc.edu/Academics/AutomotiveTechnology

First S	emeste	er Credit I	Iours
AUMT	1307	Automotive Electrical Systems	3
AUMT	1319	Automotive Engine Repair	3
AUMT	2317	Automotive Engine Performance	
		Analysis I	<u>3</u>
		•	9

Second	l Seme	ster Credit H	lours
AUMT	1310	Automotive Brake Systems	3
AUMT	1316	Automotive Suspension and Steering	
		Systems	3
AUMT	2337	Automotive Electronics	<u>3</u>
			9

Third S	Semest	er Credit	Hours
AUMT	2313	Automotive Drive Train and Axles	3
AUMT	2325	Automatic Transmission and	
		Transaxle	3
AUMT	2334	Automotive Engine Performance	
		Analysis II	<u>3</u>
			9

Fourth	Seme	ster Credit H	ours
AUMT	1345	Automotive Climate Control Systems	3
AUMT	2310	Automotive Service Consultant	3
AUMT	2321	Automotive Electrical Diagnosis and	
		Repair	<u>3</u>
		-	9
Total Credit Hours			36

# **Driveability Technician Certificate**

Certificate of Completion (C1-AUDT)

The Certificate of Completion in Driveability Technician is a specialty certificate that prepares students to diagnose and repair driveability complaints. The Certificate emphasizes automotive

computer-controlled systems and electronic testing. The capstone course for this Certificate of Completion is AUMT 2381, Cooperative Education- Automotive/Automobile Mechanics Technology/ Technician II.

For more information, visit:

epcc.edu/Academics/AutomotiveTechnology

First So	emeste	er Credit	Hours
AUMT	1307	Automotive Electrical Systems	3
AUMT	2317	Automotive Engine Performance	
		Analysis I	3
AUMT	2337	Automotive Electronics	<u>3</u>
			9

Second	l Seme	ster Credit Ho	ours
AUMT	2334	Automotive Engine Performance	
		Analysis II	3
AUMT	2380	Cooperative Education-Automobile/	
		Automotive Mechanics Technology/	
		Technician I	3
			6

Third S	Semest	er Credit Ho	ours
AUMT	2381	Cooperative Education-Automobile/ Automotive Mechanics Technology/	
		Technician II	<u>3</u>
			3
Total Credit Hours			18

# **Computer-Aided Design**

Associate of Applied Science Degree (AAS-DFTG)

The Associate of Applied Science Degree in Computer-Aided Design (CAD) prepares students for careers in computer-aided design and building information modeling by utilizing 2D or 3D software programs such as: AutoCAD, Inventor, Revit, AutoCAD Civil 3D, 3DS Max, SolidWorks, Corel, Photoshop, and VideoStudio. The capstone course for the AAS Degree is DFTG 2380, Cooperative Education-Drafting and Design Technology/Technician, General I.

For more information visit:

epcc.edu/A cademics/Advanced Technology Center/computer-aided-design

First S	emeste	er Credit l	Hours
DFTG	1309	Basic Computer-Aided Drafting	3
DFTG	1317	Architectural Drafting-Residential	3
DFTG	1333	Mechanical Drafting	3
ENGL	1301	Composition I (C)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			15

Second	d Seme	ster Credit Ho	ours
DFTG	2328	Architectural Drafting-Commercial	3
DFTG	2332	Advanced Computer-Aided Drafting	3
DFTG	2340	Solid Modeling/Design	3
DFTG	2450	Geometric Dimensioning and	
		Tolerancing	4
		Humanities or Fine Arts Elective <sup>1</sup> (C)	
		(HFA)	3
			16

Third S	Semest	er Credit	Hours
ARCE	1352	Structural Drafting	3
ARCE	2344	Statics and Strength of Materials	3
DFTG	1330	Civil Drafting I	3
		Mathematics Elective <sup>2</sup> (C) (MNS)	3
		Social and Behavioral Sciences	
		Elective <sup>3</sup> (C) (SBS)	<u>3</u>
			15

Fourth	Semes	ster Credit Ho	urs
DFTG	2321	Topographical Drafting	3
DFTG	2380	Cooperative Education-Drafting and	
		Design Technology/Technician,	
		General I	3
DFTG	2412	Technical Illustration and Presentation	4
DFTG	2471	3D Printing	4
		<u> </u>	14
Total Cre	dit Hour	S	60

<sup>1</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301 (preferred), 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

<sup>2</sup>Mathematics Elective: Complete one course from MATH 1314 (preferred), 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>3</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, 2301, 2302, PSYC 2301 (preferred), 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

# Construction Specialization Certificate

Certificate of Completion (C1-DFCS)

The Certificate of Completion in Construction Specialization prepares students for careers as Construction Specialization Drafters by utilizing 2D and 3D software programs such as: AutoCAD, Inventor, Revit, AutoCAD Civil 3D, 3DS Max, SolidWorks, Corel, Photoshop and VideoStudio. The capstone course is DFTG 2380, Cooperative Education–Drafting and Design Technology/ Technician, General I.

For more information, visit:

epcc.edu/A cademics/Advanced Technology Center/computer-aided-design

First S	emeste	r Credit 1	Hours
DFTG	1309	Basic Computer-Aided Drafting	3
DFTG	1317	Architectural Drafting-Residential	3
DFTG	1330	Civil Drafting I	<u>3</u>
			9

Second	l Seme	ster Credit H	ours
DFTG	2321	Topographical Drafting	3
DFTG	2328	Architectural Drafting-Commercial	3
DFTG	2332	Advanced Computer-Aided Drafting	3
		•	o

Third S	Semest	er Credit H	ours
ARCE	1352	Structural Drafting	3
DFTG	2380	Cooperative Education-Drafting and	
		Design Technology/Technician,	
		General I	<u>3</u>
			6
Total Credit Hours			

# **Mechanical Specialization Certificate**

Certificate of Completion (C1-DFMS)

The Mechanical Specialization Certificate of Completion prepares students for careers as Mechanical Specialization Drafters by utilizing 2D and 3D software programs such as: AutoCAD; Inventor; Revit; AutoCAD Civil 3D; 3DS Max; SolidWorks; Corel; Photoshop; and VideoStudio. The capstone course for the Certificate of Completion is DFTG 2380, Cooperative Education-Drafting and Design Technology/Technician, General I.

For more information, visit:

epcc.edu/A cademics/Advanced Technology Center/computer-aided-design

First S	emeste	er Cre	dit Hours
DFTG	1309	Basic Computer-Aided Drafting	g 3
DFTG	1333	Mechanical Drafting	<u>3</u>
			6

Second	d Seme	ster Credit Ho	urs
DFTG	2332	Advanced Computer-Aided Drafting	3
DFTG	2340	Solid Modeling/Design	3
DFTG	2412	Technical Illustration and Presentation	4
DFTG	2450	Geometric Dimensioning and	
		Tolerancing	<u>4</u>
		-	14

Third S	Semest	ter Credit H	ours
DFTG	2380	Cooperative Education-Drafting and	
		Design Technology/Technician,	
		General I	3
DFTG	2471	3D Printing	4
			7
Total Cr	edit Hou	rs	27

# **Cosmetology Certificate**

Certificate of Completion (C1-CSME)

This one-year Certificate of Completion prepares individuals for a variety of careers within the beauty industry. Students are trained in beginning, intermediate, and advanced levels of theoretical and practical applications in the salon environment. Students utilize the latest professional products, equipment, and techniques in the classroom. Graduates of this program are eligible to take the Texas Department of Licensing and Regulations (TDLR) exam.

Students are encouraged to have a strong reading level to succeed in the coursework, see an academic counselor or advisor for guidance.

For more information visit: epcc.edu/Academics/Cosmetology

First S	emeste	r Credit 1	Hours
CSME	1443	Manicuring and Related Theory	4
CSME	1505	Fundamentals of Cosmetology	5
CSME	1553	Chemical Reformation and Related	
		Theory	<u>5</u>
			14

Second	d Seme	ster Credit	Hours
CSME	1430	Orientation to Nail Technology	4
CSME	1447	Principles of Skin Care/Facials and	
		Related Theory	4
CSME	2401	The Principles of Hair Coloring and	
		Related Theory	4
CSME	2410	Advanced Haircutting and Related	
		Theory	<u>4</u>
		-	16

Third S	Semest	er Credit H	ours
<b>CSME</b>	2237	Advanced Cosmetology Techniques	2
CSME	2439	Advanced Hair Design	4
<b>CSME</b>	2541	Preparation for the State Licensing	
		Examination	<u>5</u>
			11
Total Credit Hours 4			

# Culinary Arts & Related Sciences-Culinary Arts

Associate of Applied Science Degree (AAS-CHEF)

The Associate of Applied Science Degree in Culinary Arts & Related Sciences-Culinary Arts prepares students for entry-level positions and beyond in the food service industry. The AAS Degree in Culinary Arts & Related Sciences-Culinary Arts emphasizes basic concepts and techniques related to food and beverage production and control, cooking techniques/methods, customer service, and a variety of service styles. Students study the creation, preparation, and presentation of foods for both commercial and institutional food service establishments. The program provides instruction focusing on the concepts necessary for successful food service and operation. Students' proficiencies include, but are not limited to, basic knife skills, safe food handling, food and beverage service, menu costing, sauces, garde manger, American regional cuisines, international cuisines, and point of sales experience. The capstone course for the AAS Degree in Culinary Arts is CHEF 2264, Practicum (or Field Experience)-Culinary Arts/Chef Training I.

It is strongly recommended that students attend a Culinary orientation held approximately four weeks prior to the start of each semester. Information presented during the Culinary orientation includes a tour of the facilities; introduction to the program and schedule of upcoming events; an interview with one of the chef instructors; and uniforms, equipment, and their costs.

For more information visit: epcc.edu/Academics/CulinaryArts

First S	emeste	er Credit H	ours
CHEF	1301	Basic Food Preparation	3
CHEF	1305	Sanitation and Safety	3
PSTR	1301	Fundamentals of Baking	3
PSYC	2301	General Psychology (C) (SBS) or	
SOCI	1301	Introduction to Sociology (C) (SBS)	<u>3</u>
			12

Second Semester Credit			lit Hours
CHEF	1341	American Regional Cuisine	3
CHEF	1345	International Cuisine	3
<b>ENGL</b>	1301	Composition I (C)	3
HECO	1322	Nutrition & Diet Therapy	3
		Mathematics Elective (C) (MNS	S) <u>3</u>
			15

Third S	Semest	er (Summer) Credit Ho	ours
CHEF	1300	Professional Cooking and Meal	
		Service	3
RSTO	1325	Purchasing for Hospitality Operations	3
RSTO	2431	Food Service Management	4
			10

Fourth Semester			<b>Credit Hours</b>
CHEF	1314	A La Carte Cooking	3
CHEF	1410	Garde Manger	4
CHEF	2302	Saucier	3
RSTO	1221	Menu Management	<u>2</u>
			12

Fifth S	emeste	er Credit I	Hours
CHEF	2264	Practicum (or Field Experience)-	
		Culinary Arts/Chef Training I	2
CHEF	2331	Advanced Food Preparation	3
PHIL	2306	Introduction to Ethics (C) (HFA)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			11
Total Cr	edit Hour	rs	60

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

# Culinary Arts & Related Sciences-Culinary Arts Certificate

Certificate of Completion (C1-CHEC)

The Certificate of Completion in Culinary Arts & Related Sciences-Culinary Arts prepares students for entry-level positions and beyond in the food service industry. The Certificate emphasizes basic concepts and techniques related to food and beverage production and control, cooking techniques/methods, customer service, and a variety of service styles. Students study the creation, preparation, and presentation of foods for both commercial and institutional food service establishments. The program provides instruction focusing on the concepts necessary for successful food service and operation. Students' proficiencies include, but are not limited to, basic knife skills, safe food handling, food and beverage service, menu costing, sauces, garde manger, American regional cuisines, international cuisines, and point of sales experience. The capstone course for the Certificate of Completion is CHEF 1300, Professional Cooking and Meal Service

It is strongly recommended that students attend a Culinary orientation held approximately four weeks prior to the start of each semester. Information presented during the Culinary orientation includes a tour of the facilities; introduction to the program and schedule of upcoming events; an interview with one of the chef instructors; and uniforms, equipment, and their costs.

For more information visit: epcc.edu/Academics/CulinaryArts

First Semester			Credit Hours
CHEF	1301	Basic Food Preparation	3
CHEF	1305	Sanitation and Safety	3
PSTR	1301	Fundamentals of Baking	3
PSYC	2301	General Psychology (C) or	
SOCI	1301	Introduction to Sociology (	C) <u>3</u>
			12

Second	d Seme	ster	<b>Credit Hours</b>
CHEF	1341	American Regional Cuisin	e 3
CHEF	1345	International Cuisine	3
ENGL	1301	Composition I (C)	3
HECO	1322	Nutrition & Diet Therapy	3
		Mathematics Elective <sup>1</sup> (C)	<u>3</u>
			15

Third S	emest	er (Summer)	ours
CHEF	1300	Professional Cooking and Meal	
		Service	3
RSTO	1325	Purchasing for Hospitality Operations	3
RSTO	2431	Food Service Management	<u>4</u>
			10
Total Credit Hours			

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

# Culinary Arts & Related Sciences-Pastry

Associate of Applied Science Degree (AAS-PSTR)

The Associate of Applied Science Degree in Culinary Arts & Related Sciences-Pastry prepares students for entry-level positions and beyond as it relates to Bakeries and Pastry shops. The AAS Degree in Culinary Arts & Related Sciences-Pastry studies the creation, preparation, and presentation of foods for both commercial and institutional bakery establishments. Students are exposed to the business aspects of baking, along with practical hands-on training. Students' focus on baking pies, tarts, teacakes, cookies, breads, rolls, laminated dough, pate a choux, doughnuts, Mexican breads and pastries, and plated desserts. The capstone course for the AAS Degree in Culinary Arts & Related Sciences-Pastry is PSTR 1342, Quantity Bakeshop Production.

It is strongly recommended that students attend a Culinary orientation held approximately four weeks prior to the start of each semester. Information presented during the Culinary orientation includes a tour of the facilities; introduction to the program and schedule of upcoming events; an interview with one of the chef instructors; and uniforms, equipment, and their costs.

For more information visit: epcc.edu/Academics/CulinaryArts

First S	emeste	er Credit H	ours
CHEF	1301	Basic Food Preparation	3
CHEF	1305	Sanitation and Safety	3
PSTR	1301	Fundamentals of Baking	3
PSYC	2301	General Psychology (C) (SBS) or	
SOCI	1301	Introduction to Sociology (C) (SBS)	<u>3</u>
			12

Second	l Seme	ster Credit H	ours
<b>ENGL</b>	1301	Composition I (C)	3
HECO	1322	Nutrition & Diet Therapy	3
PSTR	1210	Pies, Tarts, Teacakes and Cookies	2
PSTR	1343	Bakery Operations and Management	3
		Mathematics Elective <sup>1</sup> (C) (MNS)	<u>3</u>
			14

Third Semester (Summer) Credit Ho			
PSTR	2331	Advanced Pastry Shop	3
RSTO	1325	Purchasing for Hospitality Operations	3
RSTO	2431	Food Service Management	<u>4</u>
			10

Fourth	Semes	ster Credit Ho	ours
PSTR	1305	Breads and Rolls	3
PSTR	1312	Laminated Dough, Pate a Choux, and	
		Donuts	3
PSTR	2264	Practicum (or Field Experience)-	
		Baking and Pastry Arts/Baker/Pastry	
		Chef I	2
PSTR	2270	Mexican Breads and Pastries	2
RSTO	1221	Menu Management	<u>2</u>
			12

Fifth S	emeste	er Credit l	Hours
PHIL	2306	Introduction to Ethics (C) (HFA)	3
PSTR	1340	Plated Desserts	3
PSTR	1342	Quantity Bakeshop Production	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			12
Total Cr	Total Credit Hours		

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

# Culinary Arts & Related Sciences-Pastry Certificate

Certificate of Completion (C1-PSTC)

The Certificate of Completion in Pastry prepares students for entry-level positions and beyond as it relates to Bakeries and Pastry shops. The Pastry Certificate of Completion studies the creation, preparation, and presentation of foods for both commercial and institutional bakery establishments. Students are exposed to the business aspects of baking, along with practical hands-on training. Students' focus on baking pies, tarts, teacakes, cookies, breads, rolls, laminated dough, pate a choux, doughnuts, Mexican breads and pastries, and plated desserts. The capstone course for the Certificate of Completion in Pastry is PSTR 2331, Advanced Pastry Shop.

It is strongly recommended that students attend a Culinary orientation held approximately four weeks prior to the start of each semester. Information presented during the Culinary orientation includes a tour of the facilities; introduction to the program and schedule of upcoming events; an interview with one of the chef instructors; and uniforms, equipment, and their costs.

For more information visit: epcc.edu/Academics/CulinaryArts

First S	emeste	r (	<b>Credit Hours</b>
CHEF	1301	Basic Food Preparation	3
CHEF	1305	Sanitation and Safety	3
PSTR	1301	Fundamentals of Baking	3
PSYC	2301	General Psychology (C) or	
SOCI	1301	Introduction to Sociology (	C) <u>3</u>
			12

Second	d Seme	ster Credit H	ours
ENGL	1301	Composition I (C)	3
HECO	1322	Nutrition & Diet Therapy	3
PSTR	1210	Pies, Tarts, Teacakes and Cookies	2
PSTR	1343	Bakery Operations and Management	3
		Mathematics Elective <sup>1</sup> (C)	<u>3</u>
			14

Third S	Semest	er (Summer)	Credit Ho	urs		
PSTR	2331	Advanced Pastry Shop	)	3		
RSTO	1325	Purchasing for Hospita	ality Operations	3		
RSTO	2431	Food Service Manager	ment	4		
				10		
Total Credit Hours						

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

# Culinary Arts & Related Sciences-Restaurant Management

Associate of Applied Science Degree (AAS-RSTO)

The Associate of Applied Science Degree in Culinary Arts & Related Sciences Restaurant Management prepares students for entry-level positions and beyond in front of house operations of the food service industry. The AAS Degree in Culinary Arts & Related Sciences-Restaurant Management provides instruction focusing on the concepts necessary for successful food and beverage service and operation. The program emphasizes topics such as marketing, sales, catering, cost controls, and food service related accounting. Students' proficiencies include, but are not limited to, basic knife skills, safe food handling, food and beverage service, menu costing and point of sales experience. The capstone course for the AAS Degree in Restaurant Management is RSTO 2407, Catering.

It is strongly recommended that students attend a Culinary orientation held approximately four weeks prior to the start of each semester. Information presented during the Culinary orientation includes a tour of the facilities; introduction to the program and schedule of upcoming events; an interview with one of the chef instructors; and uniforms, equipment, and their costs.

For more information visit: epcc.edu/Academics/CulinaryArts

First S	emeste	er Credit H	ours
CHEF	1301	Basic Food Preparation	3
CHEF	1305	Sanitation and Safety	3
PSTR	1301	Fundamentals of Baking	3
PSYC	2301	General Psychology (C) (SBS) or	
SOCI	1301	Introduction to Sociology (C) (SBS)	<u>3</u>
			12

Second	ster Credit	Hours	
ENGL	1301	Composition I (C)	3
HAMG	1321	Introduction to Hospitality Industry	3
HECO	1322	Nutrition & Diet Therapy	3
RSTO	1201	Beverage Management	2
		Mathematics Elective (C) (MNS)	<u>3</u>
			14

Third S	Semest	er (Summer) Credit Ho	ours
HAMG	1300	Introduction to the Casino and	
		Gaming Industry	3
RSTO	1325	Purchasing for Hospitality Operations	3
RSTO	2405	Management of Food Production and	
		Service	4
			10

Fourth	Semes	Credit Hours	
HAMG	1340	Hospitality Legal Issues	3
RSTO	1204	Dining Room Service	2
RSTO	1221	Menu Management	2
RSTO	1319	Viticulture and Enology	3
TRVM	1201	Customer Sales and Service	e <u>2</u>
			12

Fifth S	emeste	er Cred	it Hours	
PHIL	2306	Introduction to Ethics (C) (HFA)	3	
RSTO	1270	Wine and Food Pairing	2	
RSTO	2407	Catering	4	
SPCH	1315	Public Speaking (C) or		
SPCH	1321	Business & Professional		
		Communication (C)	<u>3</u>	
			12	
Total Credit Hours				

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

# Culinary Arts & Related Sciences-Restaurant Management Certificate

Certificate of Completion (C1-RSTC)

The Certificate of Completion in Culinary Arts & Related Sciences-Restaurant Management prepares students for entry-level positions and beyond in the front of the house operations of food service industry. The Restaurant Management Certificate provides instruction focusing on the concepts necessary for successful food and beverage service and operation. The Certificate includes an emphasis on marketing, sales, catering, cost controls, and food service related accounting. Students' proficiencies include, but are not limited to, basic knife skills, safe food handling, food and beverage service, menu costing and point of sales experience. The capstone course for the Certificate of Completion is RSTO 2405, Management of Food Production and Service.

It is strongly recommended that students attend a Culinary orientation held approximately four weeks prior to the start of each semester. Information presented during the Culinary orientation includes a tour of the facilities; introduction to the program and schedule of upcoming events; an interview with one of the chef instructors; and uniforms, equipment, and their costs.

For more information visit: epcc.edu/Academics/CulinaryArts

First S	emeste	<b>Credit Hours</b>	
CHEF	1301	Basic Food Preparation	3
CHEF	1305	Sanitation and Safety	3
PSTR	1301	Fundamentals of Baking	3
PSYC	2301	General Psychology (C) or	i
SOCI	1301	Introduction to Sociology (	(C) <u>3</u>
			12

Second	l Seme	ster Credi	t Hours
ENGL	1301	Composition I (C)	3
HAMG	1321	Introduction to Hospitality Industry	7 3
HECO	1322	Nutrition & Diet Therapy	3
RSTO	1201	Beverage Management	2
		Mathematics Elective <sup>1</sup> (C)	<u>3</u>
			14

Third S	Semest	er (Summer) Credit Ho	ours	
HAMG	1300	Introduction to the Casino and		
		Gaming Industry	3	
RSTO	1325	Purchasing for Hospitality Operations	3	
RSTO	2405	Management of Food Production and		
		Service	<u>4</u>	
			10	
Total Credit Hours				

<sup>&</sup>lt;sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

# **Diesel Technology**

Associate of Applied Science Degree (AAS-DEMA)

The Associate of Applied Science Degree in Diesel Technology provides students with solid, foundational knowledge and applied technical skill for careers as Diesel Technicians. The curriculum, which is molded after the National Automotive Education Foundation (NATEF) standards, covers a broad range of topics such as light and heavy duty engine hydraulic systems; computer diagnostic systems; and electrical/electronic light and heavy duty troubleshooting. Students also learn about the tools used for service and repairs, including how they are used in current diagnostic procedures. The capstone course for the AAS-Diesel Technology is DEMR 2334, Advanced Diesel Tune-Up and Troubleshooting.

For more information visit:

epcc.edu/A cademics/Advanced Technology Center/diesel-mechanic-technology

First So	<b>Credit Hours</b>		
DEMR	1305	Basic Electrical Systems	3
DEMR	1317	Basic Brake Systems	3
DEMR	1329	Preventative Maintenance	3
DEMR	1416	Basic Hydraulics	<u>4</u>
			13

Second Semester			Credit Hours	
DEMR	1306	Diesel Engine I	3	
DEMR	1330	Steering and Suspension I	3	
DEMR	1421	Power Train I	4	
ENGL	1301	Composition I (C)	3	
		Mathematics Elective <sup>1</sup> (C) (N	MNS) <u>3</u>	
			16	

Third S	Semest	er (Summer) Credit	Hours
DEMR	1313	Fuel Systems	3
DEMR	1327	Tractor Trailer Service and Repair	3
PHIL	2306	Introduction to Ethics (C) (HFA)	3
SPCH	1315	Public Speaking (C)	3
		Social and Behavioral Sciences	
		Elective <sup>2</sup> (C) (SBS)	<u>3</u>
			15

Fourth	Seme	ster Credit H	Iours	
DEMR	1323	Heating, Ventilation, and Air		
		Conditioning (HVAC)		
		Troubleshooting and Repair	3	
DEMR	1449	Diesel Engine II	4	
DEMR	2280	Cooperative Education-Diesel		
		Mechanics Technology/Technician	2	
DEMR	2334	Advanced Diesel Tune-Up and		
		Troubleshooting	3	
DEMR	2432	Electronic Controls	<u>4</u>	
			16	
Total Cro	Total Credit Hours			

<sup>&</sup>lt;sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, or 1342.

# **Diesel Mechanic Assistant Certificate**

Certificate of Completion (C1-DMAC)

The Level I Certificate of Completion in Diesel Mechanic Assistant provides students with a foundation of the latest techniques in diesel technology. Students learn how to perform proper service and entry-level repairs on light and heavy duty vehicles and related equipment. Upon program completion, students will have an understanding of industry safety standards; knowledge of basic tools; proper maintenance/servicing procedures; understanding of air brake systems and components; basic electrical systems and hydraulic operation; diesel engine operating principles; cooling systems; lubrication systems; and air induction. The capstone course for the Certificate of Completion is DEMR 1421, Power Train I.

For more information visit:

epcc.edu/A cademics/Advanced Technology Center/diesel-mechanic-technology

First Semester			<b>Credit Hours</b>
DEMR	1305	Basic Electrical Systems	3
DEMR	1317	Basic Brake Systems	3
DEMR	1329	Preventative Maintenance	3
DEMR	1416	Basic Hydraulics	<u>4</u>
			13

Second Semester			Credit Hours
DEMR	1306	Diesel Engine I	3
DEMR	1421	Power Train I	$\frac{4}{7}$
<b>Total Credit Hours</b>			20

<sup>&</sup>lt;sup>2</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

#### **Diesel Mechanics Certificate**

#### Certificate of Completion (C2-DEMR)

The Certificate of Completion in Diesel Mechanics provides students with a foundation in the latest diesel technology and instruction in the diagnoses, service, and repair of light and heavy duty vehicles and equipment. Students learn skills such as how to diagnose and make necessary repairs on modern diesel engines and fuel management systems; understand and repair electrical and electronic control systems; understand, diagnose, and repair steering, suspension, clutch, and standard transmission; and HVAC and trailer repairs. The capstone course for the Certificate of Completion is DEMR 2432, Electronic Controls.

#### For more information visit:

epcc.edu/A cademics/Advanced Technology Center/diesel-mechanic-technology

First Semester			<b>Credit Hours</b>
DEMR	1305	Basic Electrical Systems	3
DEMR	1317	Basic Brake Systems	3
DEMR	1329	Preventative Maintenance	3
DEMR	1416	Basic Hydraulics	<u>4</u>
			13

Second Semester			<b>Credit Hours</b>
DEMR	1306	Diesel Engine I	3
DEMR	1330	Steering and Suspension I	3
DEMR	1421	Power Train I	4
ENGL	1301	Composition I (C)	<u>3</u>
		•	13

Third S	Semest	ter (Summer) Credit	Hours
DEMR	1313	Fuel Systems	3
DEMR	1323	Heating, Ventilation, and Air	
		Conditioning (HVAC)	
		Troubleshooting and Repair	3
DEMR	1327	Tractor Trailer Service and Repair	3
		Mathematics Elective <sup>1</sup> (C)	<u>3</u>
			12

Fourth Semester			redit Hours
DEMR	1449	Diesel Engines II	4
DEMR	2334	Advanced Diesel Tune-Up an	nd
		Troubleshooting	3
DEMR	2432	Electronic Controls	<u>4</u>
			11
<b>Total Credit Hours</b>			

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, or 1342.

# **Electrical Technology Certificate**

Certificate of Completion (C1-ELPT)

The Certificate of Completion in Electrical Technology prepares students for employment as Apprentice Electricians in residential, commercial, and industrial fields. Students will learn and follow the National Electrical code; acquire pipe bending skills; troubleshoot complex electrical systems; and read, design, and install motor control systems. The program covers subjects such as grounding and bonding, box fill, conduit fill, sizing transformers, splicing, and terminating. Upon successful completion of OSHA training, students may receive the OSHA 30 Construction Certification. The capstone course for the Certificate of Completion is ELPT 2325, National

Electric Code II. Additionally, the program prepares the student to take the Texas Electrical Journeyman Exam.

For more information visit:

epcc.edu/A cademics/Advanced Technology Center/electrical-technology

First S	emeste	r Credit H	ours
ELPT	1320	Fundamentals of Electricity II	3
ELPT	1321	Introduction to Electrical Safety and	
		Tools	3
ELPT	1370	Introduction to Electrical Blueprint	
		Reading	3
ELPT	1419	Fundamentals of Electricity I	<u>4</u>
			13

Second	l Seme	ster Credit H	ours
ELPT	1341	Motor Control	3
ELTN	1343	Electrical Troubleshooting	3
ENTC	2414	Facility Operation and Maintenance I	4
RBTC	1401	Programmable Logic Controllers	4
			14
Third S	Semest	er (Summer)	ours
ELPT	1325	National Electrical Code I	3
FLPT	2325	National Electrical Code II	3

ELPT ENTC	2325 2439	National Electrical Code II Facility Operation and Maintenance II	3 <u>4</u> <b>10</b>
Total Cred	lit Hour	rs	37

# Heating, Ventilation, & Air Conditioning

Associate of Applied Science Degree (AAS-HART)

The Associate of Applied Science Degree in Heating, Ventilation, and Air Conditioning (HVAC) prepares students for employment in the heat transfer industries. Students learn how to service commercial air conditioning, commercial/domestic refrigeration, furnaces, AC systems/units, walk-in freezers, and commercial ice machines. Through the completion of the HVAC AAS degree, students will have the opportunity to test for and earn EPA and 410A certification (with a passing rate of 70% or better), as well as 10 hours of OSHA Safety certification. Students pursuing the AAS Degree also have the ability to earn a certificate in Residential HVAC and a one-year certificate of completion. Students are required to obtain a basic tool kit and OSHA-approved safety glasses. The capstone course for the AAS Degree is HART 2380, Cooperative Education- Heating, Air Conditioning and Refrigeration Technology/Technician.

For more information visit:

epcc.edu/Academics/AdvancedTechnologyCenter/hvac

First S	emeste	er Credi	t Hours
DFTG	1325	Blueprint Reading and Sketching	3
HART	1401	Basic Electricity for HVAC	4
HART	1407	Refrigeration Principles	4
HART	1445	Gas and Electric Heating	4
KINE	1100	Conditioning or	
KINE	2100	Weight Training I	<u>1</u>
			16

Second	l Seme	ster Credit I	lours
HART	1403	Air Conditioning Control Principles	4
HART	1441	Residential Air Conditioning	4
HART	2442	Commercial Refrigeration	4
		Computer Elective <sup>1</sup>	<u>3</u>
		-	15

Third S	Semest	er (Summer)	Credit Hours
ENGL	1301	Composition I (C)	3
HART	2438	Air Conditioning Installa	tion and
		Startup	4
PHIL	2306	Introduction to Ethics (C)	(HFA)
		(preferred) or	
PHIL	2303	Introduction to Formal Lo	ogic (C)
		(HFA)	3
		Mathematics Elective <sup>2</sup> (C	(MNS) 3
		Social and Behavioral Sc	iences
		Elective <sup>3</sup> (C) (SBS)	<u>3</u>
			16

Fourth	Seme	ster Credit H	ours
HART	2380	Cooperative Education-Heating, Air	
		Conditioning and Refrigeration	
		Technology/Technician	3
HART	2470	Pneumatics and System Controllers	4
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Business Elective <sup>4</sup>	<u>3</u>
			13
Total Cr	edit Hour	rs .	60

<sup>&</sup>lt;sup>1</sup>Computer Elective: Complete one course from INMT 1370 (preferred), COSC 1301, or ITSC 1301.

# Residential HVAC Technician Certificate

Certificate of Completion (C1-HVAC)

The one-year Certificate of Completion in Residential HVAC Technician prepares students for employment in the heat transfer industries as Service Technicians or Crew Leaders. Students learn basic skills in the servicing of air conditioning refrigeration, furnaces, and AC systems/units. Students are required to obtain tool kit and OSHA-approved safety glasses. The capstone course for the Certificate of Completion is HART 1403, Air Conditioning Control Principles.

For more information visit:

epcc.edu/Academics/AdvancedTechnologyCenter/hvac

First S	emeste	r Credi	t Hours
DFTG	1325	Blueprint Reading and Sketching	3
HART	1401	Basic Electricity for HVAC	4
HART	1407	Refrigeration Principles	4
HART	1445	Gas and Electric Heating	4
KINE	1100	Conditioning or	
KINE	2100	Weight Training I	<u>1</u>
			16

Second	Semes	ster Credit I	lours	
HART	1403	Air Conditioning Control Principles	4	
		Computer Elective <sup>1</sup>	3	
			7	
Total Credit Hours				

<sup>1</sup>Computer Elective: Complete one course from INMT 1370 (preferred), COSC 1301, or ITSC 1301.

# Heating, Ventilation, and Air Conditioning Certificate

Certificate of Completion (C2-HARC)

The one-year Certificate of Completion in Heating, Ventilation, and Air Conditioning (HVAC) prepares students for employment in the heat transfer industries as Service Technicians or Crew Leaders. Students learn how to service air conditioning, refrigeration, furnaces, AC systems/units, freezers, and ice machines. Through the completion of the HVAC Certificate of Completion, students will have the opportunity to test for and earn 410A certification (with a passing rate of 70% or better) and 10-hour OSHA Safety certification. Students are required to obtain a basic tool kit and OSHA-approved safety glasses. The capstone course for the Certificate of Completion is HART 1441, Residential Air Conditioning.

For more information visit:

epcc.edu/Academics/AdvancedTechnologyCenter/hvac

First Semester (Summer)			<b>Credit Hours</b>
ENGL	1301	Composition I (C)	3
		Mathematics Elective <sup>1</sup> (C)	<u>3</u>
			6

Second Semester			Credit Hours
HART	1401	Basic Electricity for HVAC	C 4
HART	1407	Refrigeration Principles	4
HART	1445	Gas and Electric Heating	<u>4</u>
		_	12

Third S	Semest	er Credit H	Credit Hours	
HART	1403	Air Conditioning Control Principles	4	
HART	1441	Residential Air Conditioning	4	
HART	2442	Commercial Refrigeration	<u>4</u>	
			12	
Total Credit Hours 30				

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>&</sup>lt;sup>2</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>&</sup>lt;sup>3</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>&</sup>lt;sup>4</sup>Business Elective: Complete one course from BUSG 1301, 2305, or 2309.

## **Hotel Operations**

Associate of Applied Science Degree (AAS-HTEL)

The Associate of Applied Science Degree in Hotel Operations prepares students for a variety of entry-level positions in the hospitality industry. This program provides students with the fundamental knowledge necessary for a professional career in the hospitality industry in areas such as front desk clerk, reservation systems, city convention centers and conference centers. This program offers an exit Certificate of Completion in Front Desk Operations after the first year. The capstone course for the AAS Degree is HAMG 2302, Hospitality Security and Loss Prevention.

For more information visit: epcc.edu/Academics/HotelOperations

First Sc	emeste	er (Summer)	Credit Ho	urs
TRVM	1201	Customer Sales and Se	rvice	2
TRVM	1217	Cruises		2
				4

Second Semester		ster Credit H	lours
HAMG	1300	Introduction to the Casino and	
		Gaming Industry	3
HAMG	1313	Front Office Management	3
HAMG	1340	Hospitality Legal Issues	3
TRVM	1300	Introduction to Travel and Tourism	3
TRVM	1308	Travel Destinations I-Western	
		Hemisphere	3
			15

Third:	Semest	er Credit	Hours
HAMG	1317	Recreational Services	3
HAMG	1321	Introduction to Hospitality Industry	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
TRVM	1341	Travel Destinations II-Eastern	
		Hemisphere	3
		•	12

Fourth	Semes	ster (Summer)	Credit Hours
HAMG	2266	Practicum (or Field Exp	perience)-
		Hospitality Administrat	tion/
		Management, General	<u>2</u>
			2

Fifth S	emeste	er Credit	Hours
CHEF	1305	Sanitation and Safety	3
ENGL	1301	Composition I (C)	3
HAMG	1342	Guest Room Management	3
		Mathematics Elective <sup>1</sup> (C) (MNS)	3
		Social and Behavioral Sciences	
		Elective <sup>2</sup> (C) (SBS)	<u>3</u>
			15

Sixth S	emest	er Credit Ho	ours
ENGL	2311	Technical & Business Writing	3
HAMG	2302	Hospitality Security and Loss	
		Prevention	3
TRVM	2331	Convention and Exposition Law and	
		Ethics	3
		Humanities or Fine Arts Elective <sup>3</sup> (C)	
		(HFA)	<u>3</u>
			12
Total Cre	edit Hour	rs .	60

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>2</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>3</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

# Front Desk Operations Certificate

Certificate of Completion (C1-HTEC)

The Front Desk Operations Certificate of Completion prepares students for employment as a hotel/motel reservation systems or front desk clerk. Employment may also be available at city convention centers, and conference centers. The capstone course for the Certificate of Completion is HAMG 2266, Practicum (or Field Experience)-Hospitality Administration/Management, General.

For more information visit: epcc.edu/Academics/HotelOperations

First S	emeste	er (Summer)	Credit Ho	urs
TRVM	1201	Customer Sales and Se	rvice	2
TRVM	1217	Cruises		2
				4

Second	l Seme	ster Credit H	lours
HAMG	1300	Introduction to the Casino and	
		Gaming Industry	3
HAMG	1313	Front Office Management	3
HAMG	1340	Hospitality Legal Issues	3
TRVM	1300	Introduction to Travel and Tourism	3
TRVM	1308	Travel Destinations I-Western	
		Hemisphere	<u>3</u>
		-	15

Third S	Semest	er Credit H	lours
HAMG	1317	Recreational Services	3
HAMG	1321	Introduction to Hospitality Industry	3
HAMG	2266	Practicum (or Field Experience)-	
		Hospitality Administration/	
		Management, General	2
TRVM	1341	Travel Destinations II-Eastern	
		Hemisphere	<u>3</u>
		-	11
Total Cre	dit Hou	rs	30

## **Industrial Maintenance Option**

Associate of Applied Science Degree (AAS-MAIN)

The Associate of Applied Science Degree in Industrial Maintenance Option is a comprehensive program that aims to provide future technicians with the tools and knowledge needed for success in the maintenance field. The program helps students build a solid foundation in electrical principles; AC & DC motors and controls; robotics; schematic diagrams; electrical system troubleshooting and maintenance; blueprint reading; hydraulic and pneumatic systems; mechanical theory; Programmable Logic Controllers; and automation. Students are prepared to take the Fluid Power Certification and the Society of Maintenance and Reliability Professionals (SMRP) Exams. The capstone course for the AAS Degree is INMT 2280, Cooperative Education-Manufacturing Technology/Technician.

For more information visit:

epcc.edu/Academics/AdvancedTechnologyCenter/advanced-manufacturing

First S	emeste	r Credit Ho	urs
CETT	1302	Electricity Principles	3
CETT	1407	Fundamentals of Electronics	4
INMT	1305	Introduction to Industrial Maintenance	
		(preferred) or	
INMT	1319	Manufacturing Processes	3
INMT	1370	Introduction to Computers for	
		Industrial Applications (preferred) or	
PLTC	1301	Introduction to Plastics	<u>3</u>
			13

Second	l Seme	ster Credit	Hours
DFTG	1413	Drafting for Specific Occupations	4
<b>ENGL</b>	1301	Composition I (C)	3
HYDR	1445	Hydraulics and Pneumatics	4
INMT	2334	Numerical Control/Computerized	
		Numerical Control Programming	
		(NC/CNC)	<u>3</u>
			14

Third S	Semest	er (Summer)	Credit Hours
SPCH	1315	Public Speaking (C) or	r
SPCH	1321	Business & Profession	al
		Communication (C)	3
		Mathematics Elective <sup>1</sup>	
		Humanities or Fine Ar	ts Elective <sup>2</sup> (C)
		(HFA)	<u>3</u>
			9

Fourth	Seme	ster Credit	Hours
ELPT	1341	Motor Control	3
ELMT	2433	Industrial Electronics	4
RBTC	1305	Robotic Fundamentals	3
RBTC	1401	Programmable Logic Controllers	<u>4</u>
			14

Fifth S	emeste	er Credit Ho	ours
INMT	2280	Cooperative Education-Manufacturing	
		Technology/Technician	2
INMT	2345	Industrial Troubleshooting	3
RBTC	1245	Robot Interfacing	2
		Social and Behavioral Sciences	
		Elective <sup>3</sup> (C) (SBS)	3
			10

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1332 (preferred), MATH 1314, 1324, 1342, 2314, 2412, or 2413.

Humanities or Fine Arts Elective: Complete one course from PHIL 2306 (preferred), ARCH 1301, ARTS 1303, 1304, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, or 2303.

<sup>3</sup>Social and Behavioral Sciences Elective: Complete one course from PSYC 2301 (preferred), ECON 1301, 2301, 2302, PSYC 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

## Mechanic Technician Certificate

Certificate of Completion (C1-IMMT)

The Certificate of Completion in Mechanic Technician prepares individuals for employment as Mechanic Technicians in commercial and industrial fields. The program provides a solid foundation in basic electrical principles; motors and controls; schematics; troubleshooting of complex electrical systems; hydraulics and pneumatics; and mechanical systems. Additionally, the program prepares students to take the Fluid Power and Society of Maintenance and Reliability Professionals (SMRP) Certification exams. The capstone course for this Certificate of Completion is INMT 2345, Industrial Troubleshooting.

For more information visit:

epcc.edu/Academics/AdvancedTechnologyCenter/advanced-manufacturing

First S	emeste	r Credit Ho	urs
CETT	1302	Electricity Principles	3
CETT	1407	Fundamentals of Electronics	4
ELPT	1341	Motor Control	3
INMT	1305	Introduction to Industrial Maintenance	3
INMT	1370	Introduction to Computers for	
		Industrial Applications (preferred) or	
PLTC	1301	Introduction to Plastics	<u>3</u>
			16

Second	l Seme	ster Credit I	Hours
DFTG	1413	Drafting for Specific Occupations	4
HYDR	1445	Hydraulics and Pneumatics	4
<b>INMT</b>	2334	Numerical Control/Computerized	
		Numerical Control Programming	
		(NC/CNC)	3
INMT	2345	Industrial Troubleshooting	<u>3</u>
		-	14
Total Cr	30		

## **Robotics and Automation Certificate**

Certificate of Completion (C2-RBTC)

The Certificate of Completion in Robotics and Automation prepares individuals for employment as Industrial Maintenance Technicians in commercial and industrial fields. The program builds a solid foundation in basic electrical principles; motors and controls; robotics; schematics; troubleshooting complex electrical systems; hydraulics and pneumatics; mechanical systems; PLC programming; and automation. Additionally, the program prepares students to take the Fluid Power and Society of Maintenance and Reliability Professionals (SMRP) Certification exam. The capstone course for this Certificate of Completion is INMT 2345, Industrial Troubleshooting.

For more information visit:

epcc.edu/Academics/AdvancedTechnologyCenter/advanced-manufacturing

TC		C 194 TT	
First 5	emeste	r Credit Ho	urs
CETT	1302	Electricity Principles	3
CETT	1407	Fundamentals of Electronics	4
ELPT	1341	Motor Control	3
<b>INMT</b>	1305	Introduction to Industrial Maintenance	3
INMT	1370	Introduction to Computers for	
		Industrial Applications (preferred) or	
PLTC	1301	Introduction to Plastics	<u>3</u>
			16

**Total Credit Hours** 

60

46

Second	l Seme	ster Credi	t Hours
DFTG	1413	<b>Drafting for Specific Occupations</b>	4
<b>ENGL</b>	1301	Composition I (C)	3
HYDR	1445	Hydraulics and Pneumatics	<u>4</u>
			11

Third S	Semest	er Cred	it Hours
ELMT	2433	Industrial Electronics	4
RBTC	1305	Robotic Fundamentals	3
RBTC	1401	Programmable Logic Controllers	<u>4</u>
			11

Fourth Semester			<b>Credit Hours</b>
INMT	2345	Industrial Troubleshooting	3
RBTC	1245	Robot Interfacing	2
		Mathematics Elective <sup>1</sup> (C)	<u>3</u>
			8

Mathematics Elective: Complete one course from MATH 1332 (preferred), MATH 1314, 1324, 1342, 2314, 2412, or 2413.

# **Industrial Manufacturing Option**

Associate of Applied Science Degree (AAS-MANU)

The Associate of Applied Science Degree in Industrial Manufacturing Option is a comprehensive program that aims to provide future technicians with the tools and knowledge needed for success in the advanced manufacturing field. The program helps students build a solid foundation in the use of tools and labor to make products for use/sale. In this program, manufacturing may refer to a vast range of human activity, from handicraft to high tech, applied to the industrial production that transforms raw materials into finished goods through large-scale manufacturing processes. Students also learn how to develop new products with manufacturing technology in mind. The program enables students to gain an understanding of manufacturing process statistics; statistical process control; management and manufacturing control systems; and professional responsibility. The capstone course for the AAS Degree is INMT 2280, Cooperative Education-Manufacturing Technology/Technician.

For more information visit:

**Total Credit Hours** 

epcc.edu/A cademics/Advanced Technology Center/advanced-manufacturing

First S	emeste	r Credit Ho	ours
CETT	1302	Electricity Principles	3
CETT	1407	Fundamentals of Electronics	4
INMT	1305	Introduction to Industrial Maintenance	
		or	
INMT	1319	Manufacturing Processes (preferred)	3
INMT	1370	Introduction to Computers for	
		Industrial Applications or	
PLTC	1301	Introduction to Plastics (preferred)	<u>3</u>
			13

Second	d Seme	ster Credit	Hours
DFTG	1413	Drafting for Specific Occupations	4
<b>ENGL</b>	1301	Composition I (C)	3
HYDR	1445	Hydraulics and Pneumatics	4
INMT	2334	Numerical Control/Computerized	
		Numerical Control Programming	
		(NC/CNC)	<u>3</u>
			14

Third S	Semest	er (Summer)	it Hours
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Mathematics Elective (C) (MNS)	3
		Humanities or Fine Arts Elective <sup>2</sup>	(C)
		(HFA)	<u>3</u>
			Q

Fourth	Seme	ster Cre	dit Hours
BMGT	1331	Production and Operations	
		Management	3
QCTC	1343	Quality Assurance	3
RBTC	1305	Robotic Fundamentals	3
RBTC	1401	Programmable Logic Controller	rs 4
		Social and Behavioral Sciences	
		Elective <sup>3</sup> (C) (SBS)	<u>3</u>
			16

Fifth S	emeste	er Credit Ho	ours
INMT	2280	Cooperative Education-Manufacturing	
		Technology/Technician	2
RBTC	1245	Robot Interfacing	2
SMFT	1343	Semiconductor Manufacturing	
		Technology	3
		Elective Option <sup>4</sup>	1
			8
Total Cr	edit Hour	rs	60

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1332 (preferred), 1314, 1324, 1342, 2314, 2412, or 2413.

<sup>2</sup>Humanities or Fine Arts Elective: Complete one course from PHIL 2306 (preferred), ARCH 1301, ARTS 1303, 1304, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301 or 2303.

<sup>3</sup>Social and Behavioral Sciences Elective: Complete one course from PSYC 2301 (preferred), ECON 1301, 2301, 2302, PSYC 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

\*Elective Option: Complete any college-level course. Courses may not be used more than once within the degree plan.

# **Interior Design Technology**

Associate of Applied Science Degree (AAS-INDS)

The Associate of Applied Science Degree in Interior Design Technology provides education and training to individuals to seek entry-level employment in the interior design field or as preparation for admission into an accredited university program by focusing and encouraging individual development in creativity. The course objectives reflect and meet the needs of our design community by following academic standards and receiving input from our industry advisor board members. Through the internship program, students experience the "real world" of interior design. Our community contributes in assisting in the placement of students and educates them in their area of expertise. The capstone course for the AAS Degree is INDS 2337, Portfolio Presentation.

For more information visit: epcc.edu/Academics/InteriorDesign

First S	emeste	er (Summer)	ours
ARTS	1301	Art Appreciation (C) (HFA)	3
ENGL	1301	Composition I (C)	3
MATH	1332	Contemporary Mathematics	
		(Quantitative Reasoning) (C) (MNS)	<u>3</u>
			9

Second	d Seme	ster Credi	t Hours
INDS	1311	Fundamentals of Interior Design	3
INDS	1319	Technical Drawing for Interior	
		Designers	3
INDS	1349	Fundamentals of Space Planning	3
INDS	1351	History of Interiors I	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			15

Third	Semest	er Credit I	lours
INDS	1315	Materials, Methods and Estimating	3
INDS	2305	Interior Design Graphics	3
INDS	2315	Lighting for Interior Designers	3
INDS	2325	Professional Practices for Interior	
		Designers	3
		-	12

Fourtl	n Seme	ster (	Credit Hours
INDS	1341	Color Theory and Applicati	on 3
INDS	2307	Textiles for Interior Design	3
INDS	2313	Residential Design I	3
INDS	2321	Presentation Drawing	<u>3</u>
			12

Fifth Semester			redit Hours
INDS	1345	Commercial Design I	3
INDS	2337	Portfolio Presentation	3
INDS	2387	Internship-Interior Design	3
PSYC	2301	General Psychology (C) (SBS	S) <u>3</u>
			12
Total Credit Hours			60

# Personal Design Certificate

Certificate of Completion (C1-INDC)

The Certificate of Completion in Personal Design provides a basis for students interested in a fast-track option in learning Interior Design for their personal use and enjoyment. Students may decide after completion to continue for an AAS Degree. The capstone course for the Certificate of Completion is INDS 2325, Professional Practices for Interior Designers.

For more information visit: epcc.edu/Academics/InteriorDesign

First S	emeste	er Credi	t Hours
INDS	1311	Fundamentals of Interior Design	3
INDS	1341	Color Theory and Application	3
INDS	1349	Fundamentals of Space Planning	3
INDS	2307	Textiles for Interior Design	3
INDS	2313	Residential Design I	<u>3</u>
			15

Secon	d Seme	ster Credit I	Hours
INDS	1315	Materials, Methods and Estimating	3
INDS	1351	History of Interiors I	3
INDS	2315	Lighting for Interior Designers	3
INDS	2325	Professional Practices for Interior	
		Designers	<u>3</u> 12
			12
Total Credit Hours			27

# Kitchen and Bath Design Certificate

Certificate of Completion (C2-INKB)

The Certificate of Completion in Kitchen & Bath Design is an exciting and rewarding specialty in the interior design industry composed of courses such as space planning, computer aided drawings, lighting, construction, rendering, and an internship. This Certificate provides students with the skills, knowledge, and preparation needed to enter an amazing career in kitchen and bath design. Students may earn certification at several levels through the NKBA-National Kitchen and Bath Association (Certification requirements include education, work experience, and examination). The capstone course for the Certificate of Completion in Kitchen and Bath Design is INDS 2372, Project Management for Interior Design which allows students to demonstrating their mastery of the interior design process from concept to completion.

For more information visit: epcc.edu/Academics/InteriorDesign

First Semester (Summer)			<b>Credit Hours</b>
INDS	2317	Rendering Techniques	<u>3</u>
			3

Secon	d Seme	ster Credit	Hours
INDS	1319	Technical Drawing for Interior	
		Designers	3
INDS	1349	Fundamentals of Space Planning	3
INDS	2321	Presentation Drawing	<u>3</u>
		-	9

Third	Semest	er Credit H	ours
INDS	1315	Materials, Methods and Estimating	3
INDS	2305	Interior Design Graphics	3
INDS	2315	Lighting for Interior Designers	3
INDS	2325	Professional Practices for Interior	
		Designers	<u>3</u>
			12

Fourth	ı Semes	ster Credit	Hours
INDS	1341	Color Theory and Application	3
INDS	2310	Kitchen and Bath Design	3
INDS	2330	Interior Design Building Systems	<u>3</u>
			9

Fifth S	Semeste	er Credit I	lours
INDS	2371	Advanced Kitchen and Bath	3
INDS	2372	Project Management for Interior	
		Design	3
INDS	2387	Internship-Interior Design	<u>3</u>
			9
Total Credit Hours			42

# Machining Technology - CNC Machinist Certificate

Certificate of Completion (C1-MCHN)

The Certificate of Completion in Machining Technology, CNC Machinist adds computer numerical controls, computer-assisted manufacturing, and computer-integrated manufacturing to the conventional skills developed in the program. This certificate prepares individuals for employment as entry-level machinists. The capstone course for the Certificate of Completion is MCHN 2272, Electrical Discharge Machine.

For more information visit:

epcc.edu/A cademics/Advanced Technology Center/machining-technology

First S	emeste	er Credit H	Iours
DFTG	1325	Blueprint Reading and Sketching	3
MCHN	1308	Basic Lathe	3
MCHN	1313	Basic Milling Operations	3
MCHN	1335	Grinders, Outside, Internal, Surface	3
MCHN	1438	Basic Machine Shop I	<u>4</u>
			16

Second	Seme	ster Credit Ho	ours
MCHN	1305	Metals and Heat Treatment	3
MCHN	1326	Introduction to Computer-Aided	
		Manufacturing (CAM)	3
MCHN	2331	Operation of CNC Turning Centers	3
MCHN	2334	Operation of CNC Machining Centers	3
WLDG	1407	Introduction to Welding Using	
		Multiple Processes	4
			16

Third S	Semest	ter (Summer)	<b>Credit Hours</b>
INMT	2334	Numerical Control/Co	mputerized
		Numerical Control Pro	gramming
		(NC/CNC)	3
MCHN	2272	Electrical Discharge N	Iachine 2
PLTC	1343	Mold Design and Main	itenance $\underline{3}$
			8
Total Cre	edit Hou	rs	40

# Renewable Energy Technology Systems

Associate of Applied Science Degree (AAS-RETS)

The Associate of Applied Science Degree in Renewable Energy Technology Systems prepares students for entry-level positions in the field of Photovoltaic (PV) and Solar Thermal installation and maintenance. The program prepares students to take the North American Board of Certified Energy Practitioners (NABCEP) exam and the OSHA 30 certificate. Students with experience in construction, electrical, plumbing, and/or roofing fields may excel in this degree by building skills in renewable energy systems and energy conservation training. Students in the program are responsible for purchasing their own supplies and tools. The capstone course for the AAS-Renewable Energy is HART 2280, Cooperative Education-Heating, Ventilation and Air Conditioning, General I.

For more information visit:

epcc.edu/Academics/AdvancedTechnologyCenter/renewable-energy-technology

ı	First Se	meste	er Credit Ho	ours
	ENGL	1301	Composition I (C)	3
	FCEL	1305	Fuel Cell and Alternative/Renewable	
			Energy	3
	MATH	1332	Contemporary Mathematics	
			(Quantitative Reasoning) (C) (MNS)	3
	OSHT	1305	OSHA Regulations-Construction	
			Industry	3
				12

Second	l Seme	ster Credit	Hours
CETT	1409	DC/AC Circuits	4
CNBT	1302	Mechanical, Electrical & Plumbing	
		Systems in Construction I	3
ELMT	1302	Solar Photovoltaic Systems	3
ELMT	1411	Solar Fundamentals	<u>4</u>
			14

Third Semester (Summer) Credit Ho				
EPCT	1311	Introduction to Environmental Science	3	
SOCI	1301	Introduction to Sociology (C) (SBS)	3	
SPCH	1315	Public Speaking (C)	<u>3</u>	
			9	

Fourth	Semes	ster	<b>Credit Hours</b>
CNBT	2317	Green Building	3
EEIR	1309	National Electrical Code	3
EEIR	2370	Electrical and Electronics	3
RBPT	2345	Onsite Power Generation a	ınd
		Renewable Energy	<u>3</u>
			12

Fifth S	emeste	er Credit I	<b>Iours</b>
ELMT	2341	Electromechanical Systems	3
ELPT	2337	Electrical Planning and Estimating	3
HART	2280	Cooperative Education-Heating,	
		Ventilation and Air Conditioning,	
		General I	2
PHIL	2306	Introduction to Ethics (C) (HFA)	3
RETS	1270	Review and Preparation for the	
		NABCEP for Entry-Level	
		Certification	<u>2</u>
			13
Total Cr	edit Houi	rs	60

## Photovoltaic (PV) Installer Certificate

Certificate of Completion (C1-REPV)

The Certificate of Completion in Photovoltaic (PV) Installers prepares students to enter the alternative energy workforce through solar photovoltaic systems installation. The program trains students to install, operate, and repair solar PV systems. Graduates of this Level 1 Certificate may receive an OSHA 30 certificate upon completion. Graduates of this certificate will learn to perform diagnostic analysis; demonstrate an understanding of solar energy industry standards; and apply safety principles. Students in the program are responsible for purchasing their own supplies and tools. The capstone course for the Certificate of Completion is ELMT 1302, Solar Photovoltaic Systems.

For more information visit:

epcc.edu/Academics/AdvancedTechnologyCenter/renewable-energy-technology

First S	emeste	er Credit Ho	ours
CETT	1409	DC/AC Circuits	4
ELMT	1411	Solar Fundamentals	4
FCEL	1305	Fuel Cell and Alternative/Renewable	
		Energy	3
OSHT	1305	OSHA Regulations-Construction	
		Industry	<u>3</u>
		•	14

Second	l Seme	ster Credit Ho	urs
CNBT	1302	Mechanical, Electrical & Plumbing	
		Systems in Construction I	3
EEIR	1309	National Electrical Code	3
ELMT	1302	Solar Photovoltaic Systems	3
EPCT	1311	Introduction to Environmental Science	3
			12
Total Cr	edit Hour	'S	26

# Renewable Energy Technology Systems Certificate

Certificate of Completion (C2-RETC)

This Certificate of Completion in Renewable Energy Technology Systems prepares students for entry-level positions in the field of PV and Solar Thermal installation/maintenance. Students with experience in construction, electrical, plumbing, and/or roofing fields may excel in this program by building skills in renewable energy systems and energy conservation training. This certificate prepares students for the North American Board of Certified Energy Practitioners (NABCEP) exam and OSHA 30 certification. Students in the program are responsible for purchasing their own supplies and tools. The capstone course for the Certificate of Completion-Renewable Energy is RETS 1270, Review and Preparation for the NABCEP for Entry-Level Certification.

#### For more information visit:

epcc.edu/A cademics/Advanced Technology Center/renewable-energy-technology

First S	emeste	er Credit Ho	ours
FCEL	1305	Fuel Cell and Alternative/Renewable	
		Energy	3
OSHT	1305	OSHA Regulations-Construction	
		Industry	<u>3</u>
			6

Second	l Seme	ster Credit I	Hours
CETT	1409	DC/AC Circuits	4
CNBT	1302	Mechanical, Electrical & Plumbing	
		Systems in Construction I	3
ELMT	1302	Solar Photovoltaic Systems	3
ELMT	1411	Solar Fundamentals	<u>4</u>
			14

Third S	Semest	er (Summer) Credit H	ours
EPCT	1311	Introduction to Environmental Science	3
MATH	1332	Contemporary Mathematics	
		(Quantitative Reasoning) (C)	<u>3</u>
			6

Fourth	Seme	ster	<b>Credit Hours</b>
CNBT	2317	Green Building	3
EEIR	1309	National Electrical Code	3
EEIR	2370	Electrical and Electronics	3
RBPT	2345	Onsite Power Generation a	nd
		Renewable Energy	<u>3</u>
			12

Fifth S	emeste	er Credit I	lours
ELMT	2341	Electromechanical Systems	3
ELPT	2337	Electrical Planning and Estimating	3
RETS	1270	Review and Preparation for the	
		NABCEP for Entry-Level	
		Certification	<u>2</u>
			8
Total Credit Hours			46

## **Travel and Tourism**

Associate of Applied Science Degree (AAS-TRVM)

The Associate of Applied Science Degree in Travel and Tourism prepares students for a variety of entry-level positions in the travel and tourism industry. This program provides students with the fundamental knowledge necessary for a professional career in the travel and tourism industry in such areas as reservation systems; individual and group travel and tour planning; corporate and incentive travel; travel agency management; planning and marketing for meetings, conventions, and trade shows; and domestic and international tourism and tourist attractions. This program offers an exit Certificate of Completion in Travel Counselor/Airline Reservationist after the first year. The capstone course for the AAS Degree is TRVM 2305, Travel Industry Management.

For more information visit: epcc.edu/Academics/TravelandTourism

First Semester (Summer)			<b>Credit Hours</b>	•
TRVM	1201	Customer Sales and Serv	rice 2	
TRVM	1217	Cruises	<u>2</u>	
			4	

Second	l Seme	ster Credit H	lours
HAMG	1300	Introduction to the Casino and	
		Gaming Industry	3
TRVM	1300	Introduction to Travel and Tourism	3
TRVM	1306	Travel Automation I	3
TRVM	1308	Travel Destinations I-Western	
		Hemisphere	3
TRVM	1345	Travel and Tourism Sales and	
		Marketing Techniques	<u>3</u>
			15

Third S	Semest	er Credit H	ours
HAMG	1321	Introduction to Hospitality Industry	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
TRVM	1341	Travel Destinations II-Eastern	
		Hemisphere	3
TRVM	2335	Travel Automation II	<u>3</u>
			12

Fourth	Seme	ster (Summer)	<b>Credit Hours</b>
TRVM	2266	Practicum (or Field Ex Tourism and Travel Se	± '
		Management	$\frac{2}{2}$

60

Fifth S	emeste	er Credit 1	Hours
CHEF	1305	Sanitation and Safety	3
ENGL	1301	Composition I (C)	3
TRVM	1323	Group Tour Operations	3
		Mathematics Elective <sup>1</sup> (C) (MNS) Social and Behavioral Sciences	3
		Elective <sup>2</sup> (C) (SBS)	3 15

Sixth S	emeste	er Credit Ho	ours
ENGL	2311	Technical & Business Writing	3
TRVM	2305	Travel Industry Management	3
TRVM	2331	Convention and Exposition Law and	
		Ethics	3
		Humanities or Fine Arts Elective <sup>3</sup> (C)	
		(HFA)	<u>3</u>
			12

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>2</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>3</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

# Travel Counselor/Airline Reservationist Certificate

**Total Credit Hours** 

Certificate of Completion (C1-TRVC)

The Certificate of Completion prepares students for employment as an airline reservationist or travel counselor. Employment may also be available at car rental agencies, hotel/motel reservation systems, and city convention and tourism offices. The capstone course for the Certificate of Completion is TRVM 2266, Practicum (or Field Experience)-Tourism and Travel Services Management.

For more information visit: epcc.edu/Academics/TravelandTourism

First Semester (Summer)			Credit Hours
TRVM	1201	Customer Sales and Service	ce 2
TRVM	1217	Cruises	<u>2</u>
			4

Second	l Seme	ster Credit I	Hours
HAMG	1300	Introduction to the Casino and	
		Gaming Industry	3
TRVM	1300	Introduction to Travel and Tourism	3
TRVM	1306	Travel Automation I	3
TRVM	1308	Travel Destinations I-Western	
		Hemisphere	3
TRVM	1345	Travel and Tourism Sales and	
		Marketing Techniques	<u>3</u>
			15

Third S	emest	er Credit H	lours
HAMG	1321	Introduction to Hospitality Industry	3
TRVM	1341	Travel Destinations II-Eastern	
		Hemisphere	3
TRVM	2266	Practicum (or Field Experience)-	
		Tourism and Travel Services	
		Management	2
TRVM	2335	Travel Automation II	<u>3</u>
			11
Total Credit Hours			30

# **Welding Certificate**

Certificate of Completion (C1-WELD)

The Certificate of Completion in Welding prepares individuals for careers as Commercial/Industrial AWS Certified Welders. This program provides a solid foundation in basic SMAW, GMAW, GTAW, FCAW, and Oxy-Fuel welding principles. Students demonstrate proficiency in single and multi-pass welding in all positions. Emphasized skills include blueprint reading, job estimation, fabrication procedures, metallurgy, and welding inspection. The capstone course for the Certificate of Completion is WLDG 2453, Advanced Pipe Welding.

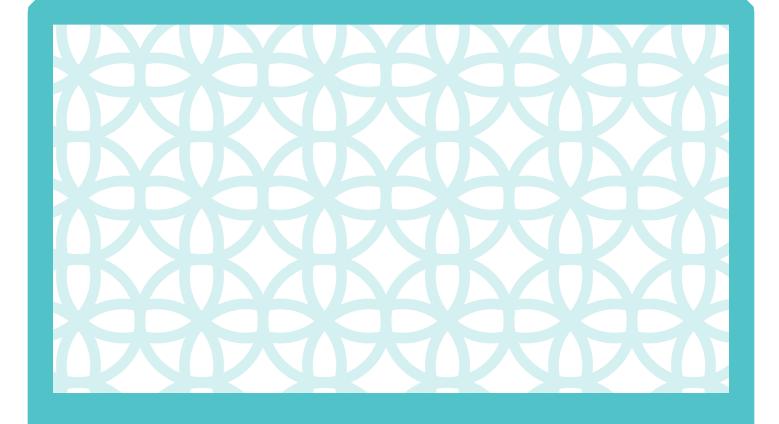
For more information visit:

epcc.edu/A cademics/Advanced Technology Center/welding-technology

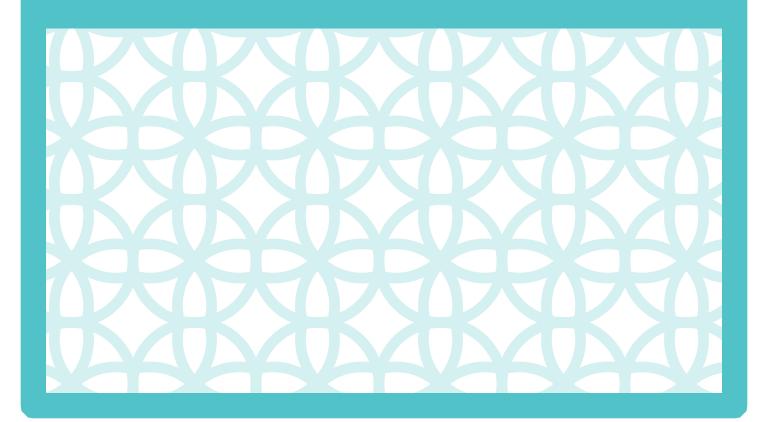
First S	emeste	er Credit Ho	ours
WLDG	1337	Introduction to Welding Metallurgy	3
WLDG	1407	Introduction to Welding Using	
		Multiple Processes	4
WLDG	1413	Introduction to Blueprint Reading for	
		Welders	4
			11

Second	l Seme	ster Credit H	lours
WLDG	1434	Introduction to Gas Tungsten Arc	
		(GTAW) Welding	4
WLDG	1457	Intermediate Shielded Metal Arc	
		Welding (SMAW)	4
WLDG	2447	Advanced Gas Metal Arc Welding	
		(GMAW)	<u>4</u>
			12

Third S	Semest	er (Summer) Credit H	ours	
WLDG	1327	Welding Codes and Standards	3	
WLDG	1435	Introduction to Pipe Welding	4	
WLDG	2451	Advanced Gas Tungsten Arc Welding		
		(GTAW)	4	
WLDG	2453	Advanced Pipe Welding	4	
			15	
Total Credit Hours 38				



# **Public Service**



2023-2024 Public Service

# **Public Service**

# **Court Reporting**

Associate of Applied Science Degree (AAS-CRTR)

The two-year Associate of Applied Science Degree in Court Reporting teaches students the skills and knowledge needed to pass the Texas Certified Shorthand Reporter (CSR) Examination and the National Court Reporters Association (RPR) Examination such as stenography, transcription, note taking, audio/visual recording, courtroom etiquette, how to identify verbal and non-verbal cues; listening and interpreting; editing; and public speaking skills. Both CSR and RPR exams consist of a written knowledge exam (must score a 70% or better) and a skills exam (must type 225 words per minute with 95% accuracy). All applicants must be fingerprinted. In order to work as a court reporter in the State of Texas, you must be certified by the State. The capstone course for the AAS Degree is CRTR 2331, Court Reporter Certification Preparation.

Students are required to contact the Court Reporting Instructional Coordinator directly for information regarding this program.

For more information visit: epcc.edu/Academics/CourtReporting

First S	emeste	er Credit H	lours
CRTR	1202	Law and Legal Terminology	2
CRTR	1312	Court Reporting Communications I	3
CRTR	1314	Court Reporting Technology I	3
CRTR	1404	Machine Shorthand I	<u>4</u>
			12

Second	l Seme	ster Credit H	lours
CRTR	1406	Machine Shorthand II	4
CRTR	2311	Court Reporting Communications II	3
ENGL	1301	Composition I (C)	3
HPRS	1206	Essentials of Medical Terminology	<u>2</u>
			12

Third S	Semest	er (Summer) Cred	lit Hours
CRTR	2401	Intermediate Machine Shorthand	4
		Core Curriculum Elective <sup>1</sup> (C)	<u>3</u>
			7

Fourth	Seme	ster Credit	Hours
CRTR	2312	Court Reporting Procedures	3
CRTR	2403	Advanced Machine Shorthand	4
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C) (SBS)	3
		Mathematics Elective <sup>2</sup> (C) (MNS)	<u>3</u>
			13

Fifth S	emeste	er Credit 1	Hours
CRTR	1308	Realtime Court Reporting I	3
CRTR	2380	Cooperative Education-Court	
		Reporting/Court Reporter	3
CRTR	2435	Accelerated Machine Shorthand	<u>4</u>
			10

Sixth S	emest	er (Summer)	Credit Ho	urs
CRTR	2331	Court Reporter Certifi	cation	
		Preparation		3
		Humanities or Fine A	rts Elective <sup>3</sup> (C)	
		(HFA)		3
				6
Total Cro	edit Hour	·s		60

<sup>1</sup>Core Curriculum Elective: Complete one course from the Core Curriculum, see the Core Curriculum section of the catalog for a listing of courses. Courses may not be used more than once within the degree plan.

<sup>2</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>3</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

# **Court Reporting Certificate**

Certificate of Completion (C2-CRCC)

The Certificate of Completion in Court Reporting teaches students the skills and knowledge needed to pass the Texas Certified Shorthand Reporter (CSR) Examination and the National Court Reporters Association (RPR) Examination such as stenography, transcription, note taking, audio/visual recording, courtroom etiquette, how to identify verbal and non-verbal cues; listening and interpreting; editing; and public speaking skills. Both CSR and RPR exams consist of a written knowledge exam (must score a 70% or better) and a skills exam (must type 225 words per minute with 95% accuracy). All applicants must be fingerprinted. In order to work as a court reporter in the State of Texas, you must be certified by the State. The capstone course for the Certificate of Completion is CRTR 2331, Court Reporter Certification Preparation.

Students are required to contact the Court Reporting Instructional Coordinator directly for information regarding this program.

For more information visit: epcc.edu/Academics/CourtReporting

First Semester Cro			lours
CRTR	1202	Law and Legal Terminology	2
CRTR	1312	Court Reporting Communications I	3
CRTR	1314	Court Reporting Technology I	3
CRTR	1404	Machine Shorthand I	<u>4</u>
			12

Second	d Seme	ster Credit H	lours
CRTR	1406	Machine Shorthand II	4
CRTR	2311	Court Reporting Communications II	3
HPRS	1206	Essentials of Medical Terminology	2
			9

Third S	Semest	er (Summer)	Credit I	lours
CRTR	2401	Intermediate Machine	Shorthand	4
				1

Fourth	Seme	ster (	Credit Hours
CRTR	2312	Court Reporting Procedures	3
CRTR	2403	Advanced Machine Shortha	and <u>4</u>
			7

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Fifth S	emeste	er Credit	Hours
CRTR	1308	Realtime Court Reporting I	3
CRTR	2380	Cooperative Education-Court	
		Reporting/Court Reporter	3
CRTR	2435	Accelerated Machine Shorthand	<u>4</u>
			10

Sixth S	Semest	er (Summer)	Credit Hours
CRTR	2331	Court Reporter Certific	cation
		Preparation	<u>3</u>
			3
Total Cr	edit Hou	rs ·	45

# Machine Shorthand Scopist Certificate

Certificate of Completion (C1-CMSS)

The Certificate of Completion in Machine Shorthand Scopist provides students with the necessary knowledge, skills, and background to find employment preparing and editing transcripts for Certified Shorthand Reporters. Machine Shorthand Scopists assist with the following: attending depositions, hearings, proceedings, and other events that require written transcripts; capture spoken dialogue with specialized equipment such as stenographic machines, audio/visual devices, and covered microphones; reading/playing back testimony; review notes taken by Certified Shorthand Reporters; edit transcripts for errors; and provide copies of transcripts and recordings to the court. The capstone for the Certificate of Completion is CRTR 1406, Machine Shorthand II.

Students must type at least 25 words per minute on a typewriter before entering the program.

For more information visit: epcc.edu/Academics/CourtReporting

First S	emeste	r Credit	Hours
CRTR	1202	Law and Legal Terminology	2
CRTR	1312	Court Reporting Communications I	3
CRTR	1314	Court Reporting Technology I	3
CRTR	1404	Machine Shorthand I	<u>4</u>
			12

Second	d Seme	ster Credit H	ours
CRTR	1406	Machine Shorthand II	4
CRTR	2311	Court Reporting Communications II	3
HPRS	1206	Essentials of Medical Terminology	<u>2</u>
			9
Total Credit Hours			

# Realtime Closed Captioning/CART Certificate

Certificate of Completion (C2-CART)

The Certificate of Completion in Realtime Closed Captioning/CART prepares students to be CART (Communication Access Realtime Translation) assistants to hearing-impaired clientele or work in captioning services. Students learn realtime accuracy in addition to skills in stenography; transcription; notetaking; audio/visual recording; courtroom etiquette; how to identify verbal and non-verbal cues; listening and interpreting; editing; and public speaking skills.

The capstone course for the Certificate of Completion is CRTR 2371, Preparation for the Certified Realtime Captioner (CRC).

For more information visit: epcc.edu/Academics/CourtReporting

First S	emeste	r Credit H	lours
CRTR	1202	Law and Legal Terminology	2
CRTR	1312	Court Reporting Communications I	3
CRTR	1314	Court Reporting Technology I	3
CRTR	1404	Machine Shorthand I	<u>4</u>
			12

Second	d Seme	ster Credit H	ours
CRTR	1406	Machine Shorthand II	4
CRTR	2311	Court Reporting Communications II	3
HPRS	1206	Essentials of Medical Terminology	2
		•••	0

Third S	emest	er (Summer)	Credit Ho	ours
CRTR	1201	Introduction to Caption	ing/CART	2
CRTR	2401	Intermediate Machine S	horthand	<u>4</u>
				6

Fourth	Semes	ster (	Credit Hours
CRTR	1241	Captioning Technology I	2
CRTR	1346	Captioning Reporting I	3
CRTR	2403	Advanced Machine Shortha	nd <u>4</u>
			9

Fifth Semester			edit Hours
CRTR	1242	Captioning Technology II	2
CRTR	2333	Captioning Reporting II	3
CRTR	2435	Accelerated Machine Shorthan	nd <u>4</u>
			0

Sixth S	Semest	er (Summer)	Credit Hours
CRTR	2371	Preparation for the Cer	tified Realtime
		Captioner (CRC)	<u>3</u>
			3
Total Cr	edit Hom	rs	48

#### **Criminal Justice**

Associate of Arts Degree (AA-CRIJ)

#### FIELD OF STUDY IN CRIMINAL JUSTICE

The Associate of Arts Degree in Criminal Justice prepares students to transfer into a Bachelor's program at a four-year institution. The program also prepares students for entry-level careers in agencies at the local, state, and federal levels. Completing this Field of Study and the EPCC Core Curriculum leads to an Associate of Arts Degree and is fully transferable to any public four-year institution in Texas.

Students interested in transferring to UTEP should consider selecting a Spanish course as the Elective Option to meet the Foreign Language requirement at UTEP.

For students who do not wish to pursue a Bachelor's Degree, EPCC also offers Associate of Applied Science (AAS) Degrees in Criminal Justice and Homeland Security; the AAS degrees are not fully transferrable to four-year institutions.

For more information visit: epcc.edu/Academics/CriminalJustice

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First S	emeste	er Credit Ho	ours
CRIJ	1301	Introduction to Criminal Justice (F)	3
CRIJ	2313	Correctional Systems & Practices (F)	3
EDUC	1300	Learning Framework (C)	3
ENGL	1301	Composition I(C)	3
HIST	1301	United States History I (C)	<u>3</u>
		•	15

Second	d Seme	ster	<b>Credit Hours</b>
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C	) 3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	<b>Business &amp; Professional</b>	
		Communication (C)	3
		Mathematics <sup>1</sup> (C)	<u>3</u>
			12

inira Semester (Summer) Creatt F	iours
Language, Philosophy and Culture <sup>2</sup>	
(C)	3
Creative Arts <sup>3</sup> (C)	3
Elective Option <sup>4</sup>	<u>1</u>
	7

Fourth	Seme	ster Credit 1	Hours
CRIJ	1310	Fundamentals of Criminal Law (F)	3
CRIJ	2328	Police Systems & Practices (F)	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
		Life and Physical Sciences <sup>5</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>6</sup>	<u>1</u>
			13

Fifth S	emeste	er Credit 1	Hours
CRIJ	1306	Court Systems & Practices (F)	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
		Life and Physical Sciences <sup>5</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>6</sup>	1
		Social and Behavioral Sciences <sup>7</sup> (C)	<u>3</u>
			13

#### Total Credit Hours 60

Mathematics: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>2</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>3</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

<sup>4</sup>Elective Option: Complete one course from KINE 1100, 1104, 2100, SPAN 1411, 1412, 2311, 2312, 2313, or 2315.

<sup>5</sup>Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

**Life and Physical Sciences Laboratory:** Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

<sup>7</sup>Social and Behavior Sciences: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

Courses may not be used more than once within the degree plan.

# **Criminal Justice Option**

Associate of Applied Science Degree (AAS-CJCR)

The Associate of Applied Science Degree in Criminal Justice Option prepares students for entry-level careers in agencies at the local, state, and federal levels. This degree plan option emphasizes the enforcement aspect of the criminal justice system. The curriculum is designed to be completed in two years. Students enrolling in this program who plan to transfer to a four-year institution should consult an academic counselor regarding transfer requirements and transferability of these courses. Although this degree includes transferable Field of Study courses, not all courses in this degree are transferable to a Texas four-year institution.

Students who wish to pursue a career in Texas law enforcement should meet the Texas Commission on Law Enforcement (TCOLE) requirements for minimum standards for employment in the law enforcement field as per commission licensing rules 217.1. Students must be able to successfully pass a background investigation and psychological, drug, and physical exams. The capstone course for the AAS Degree is CJCR 2380, Cooperative Education-Corrections or HMSY 2337, Managing a Unified Incident Command.

For more information visit: epcc.edu/Academics/CriminalJustice

emeste	er Credit H	ours
1301	Introduction to Criminal Justice (F)	3
2313	Correctional Systems & Practices (F)	3
1301	Composition I (C)	3
2305	Federal Government (Federal	
	Constitution & Topics) (C) (SBS)	3
1301	Introduction to Computers	<u>3</u>
		15
	1301 2313 1301 2305	2313 Correctional Systems & Practices (F) 1301 Composition I (C) 2305 Federal Government (Federal Constitution & Topics) (C) (SBS)

Second	l Seme	ster Credit	Hours
CRIJ	2323	Legal Aspects of Law Enforcement	3
<b>ENGL</b>	1302	Composition II (C)	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C) (SBS)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Mathematics Elective <sup>1</sup> (C) (MNS)	<u>3</u>
			15

Third Semester (Summer)	Credit Hours
Humanities or Fine Arts El	ective <sup>2</sup> (C)
(HFA)	<u>3</u>
	3

Fourtl	h Semes	ster Credit 1	Hours
CRIJ	1307	Crime in America	3
CRIJ	1310	Fundamentals of Criminal Law (F)	3
CRIJ	1313	Juvenile Justice System	3
CRIJ	2328	Police Systems & Practices (F)	<u>3</u>
			12

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Fifth S	emeste	er Credit Ho	ours
CJCR	2380	Cooperative Education-Corrections or	
HMSY	2337	Managing a Unified Incident	
		Command	3
CRIJ	1306	Court Systems & Practices (F)	3
CRIJ	2301	Community Resources in Corrections	3
CRIJ	2314	Criminal Investigation	3
HMSY	1337	Introduction to Homeland Security	3
			15
Total Cr	edit Hour	rs	60

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, or 1332.

**Humanities or Fine Arts Elective:** Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

#### Law Enforcement Certificate

Certificate of Completion (C2-LAWE)

The Certificate of Completion in Law Enforcement provides a curriculum suitable for students seeking the credentials needed to apply to specific law enforcement agencies. It also provides a clear pathway for high school students interested in Criminal Justice, but have not yet decided whether they will move on to an Associate or Baccalaureate degree. This Certificate of Completion is fully embedded in the Associate of Applied Science Degree in Criminal Justice, so that every class found in this certificate will apply for those students opting to move on to the two-year AAS Degree.

Students who wish to pursue a career in Texas law enforcement should meet the Texas Commission on Law Enforcement (TCOLE) requirements for minimum standards for employment in the law enforcement field as per commission licensing rules 217.1. Students must be able to successfully pass a background investigation and psychological, drug, and physical exams. The capstone course for this Certificate of Completion in Law Enforcement is HMSY 2337, Managing a Unified Incident Command.

For more information visit: epcc.edu/Academics/CriminalJustice

First S	emeste	er Credit I	Iours
		Humanities or Fine Arts Elective <sup>1</sup> (C)	3
			3
Secon	d Seme	ster Credit I	Iours
CRIJ	1301	Introduction to Criminal Justice	3
CRIJ	2328	Police Systems & Practices	3
<b>ENGL</b>	1301	Composition I (C)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			12
Third Semester Credit Hours			Iours
CRII	1306	Court Systems & Practices	3

Third Semester Credit			Hours
CRIJ	1306	Court Systems & Practices	3
CRIJ	2314	Criminal Investigation	3
CRIJ	2323	Legal Aspects of Law Enforcement	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
HMSY	2337	Managing a Unified Incident	
		Command	<u>3</u>
			15
Total Credit Hours			30

<sup>1</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

## **Homeland Security Option**

Associate of Applied Science Degree (AAS-HMSY)

The Associate of Applied Science Degree in Criminal Justice-Homeland Security option emphasizes the homeland security aspect of law enforcement. Students are trained in terrorism, information analysis security, and weapons of mass destruction and prepared to take a homeland security role in local, state, and federal law enforcement. Students enrolling in this program who plan to transfer to a four-year institution should consult an academic counselor regarding transfer requirements and transferability of these courses. Although this degree includes transferable Field of Study courses, not all courses in this degree are transferable to a Texas four-year institution.

Students who wish to pursue a career in Texas law enforcement should meet the Texas Commission on Law Enforcement (TCOLE) requirements for minimum standards for employment in the law enforcement field as per commission licensing rules 217.1. Students must be able to successfully pass a background investigation and psychological, drug, and physical exams. The capstone course for the AAS Degree in Homeland Security Option is CJCR 2380, Cooperative Education-Corrections.

For more information visit: epcc.edu/Academics/CriminalJustice

First S	Semeste	er Credit Ho	ours
CRIJ	1301	Introduction to Criminal Justice (F)	3
CRIJ	2313	Correctional Systems & Practices (F)	3
<b>ENGL</b>	1301	Composition I (C)	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C) (SBS)	3
ITSC	1301	Introduction to Computers	<u>3</u>
			15

Secon	d Seme	ester Credit I	lours
CRIJ	2328	Police Systems & Practices (F)	3
<b>ENGL</b>	1302	Composition II (C)	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C) (SBS)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Mathematics Elective (C) (MNS)	<u>3</u>
			15

Third Semester (Summer)	<b>Credit Hours</b>
Humanities or Fine Arts	s Elective <sup>2</sup> (C)
(HFA)	<u>3</u>
	3

Fourth	h Seme	ster Credit Ho	ours
CRIJ	1310	Fundamentals of Criminal Law (F)	3
HMSY	1337	Introduction to Homeland Security	3
HMSY	2337	Managing a Unified Incident	
		Command	3
ITSY	1300	Fundamentals of Information Security	<u>3</u>
			12

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Fifth S	emest	er Credit H	lours
CJCR	2380	Cooperative Education-Corrections	3
CRIJ	1306	Court Systems & Practices (F)	3
CRIJ	2314	Criminal Investigation	3
HMSY	1340	Homeland Security Intelligence	
		Operations	3
HMSY	1342	Understanding and Combating	
		Terrorism	<u>3</u>
			15
Total Credit Hours			

Mathematics Elective: Complete one course from MATH 1314, 1324, or 1332.

**Humanities or Fine Arts Elective:** Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

# **Homeland Security Certificate**

Certificate of Completion (C1-HMSC)

The Certificate of Completion in Homeland Security provides students with specialized training in the areas of information gathering, information security, and understanding terrorist organizations. This Certificate of Completion is fully embedded in the Associate of Applied Science Degree in Homeland Security so that every class found in this certificate will apply for those students opting to move on to the two-year AAS Degree.

Students who wish to pursue a career in Texas law enforcement should meet the Texas Commission on Law Enforcement (TCOLE) requirements for minimum standards for employment in the law enforcement field as per commission licensing rules 217.1. Students must be able to successfully pass a background investigation and psychological, drug, and physical exams. The capstone course for the Certificate of Completion is HMSY 2337, Managing a Unified Incident Command.

For more information visit: epcc.edu/Academics/CriminalJustice

First S	emeste	er Credit 1	Hours
HMSY	1337	Introduction to Homeland Security	3
HMSY	1342	Understanding and Combating	
		Terrorism	3
ITSC	1301	Introduction to Computers	<u>3</u>
		-	9

Second	l Seme	ster Credit Ho	ours	
CRIJ	2314	Criminal Investigation	3	
HMSY	1340	Homeland Security Intelligence		
		Operations	3	
HMSY	2337	Managing a Unified Incident		
		Command	3	
ITSY	1300	Fundamentals of Information Security	<u>3</u>	
		·	12	
Total Credit Hours				

# Fire Technology - Basic Firefighter Option

Associate of Applied Science Degree (AAS-FIRS) Certificate of Completion (C2-FIRC)

The Associate of Applied Science Degree in Basic Firefighter Option provides entry-level knowledge and skills to students interested in a career in fire service. Upon successful completion of the first year of the degree path, students are eligible for the Certificate of Completion in Basic Firefighter. The certificate satisfies the Texas Commission on Fire Protection's requirements for Texas Basic Structure Fire Protection Certification. Students may become eligible for International Fire Service Accreditation Congress (IFSAC) seals as well. Students will be required to take TSIA2 placement tests or equivalent and achieve the following levels of course placement or higher: [INRW 0311 or INRW 0312 or INRW 0313] and NCBM 0302. The capstone experience for the AAS Degree and Certificate of Completion is The Texas Commission on Fire Protection's Basic Structure Fire Suppression Examination.

Current firefighters meeting state exemption requirements can earn the associate degree, tuition free. For more information visit the Financial Aid Office at any campus, or visit collegeforalltexans.com.

For more information visit: epcc.edu/Academics/FireTechnology

Prerec	quisite S	Semester Credit	Hours
FIRS	1103	Firefighter Agility and Fitness	
		Preparation	1
FIRT	1301	Fundamentals of Fire Protection	3
FIRT	1319	Firefighter Health and Safety	3
			7

First S	emeste	er Credit	Hours
EMSP	1160	Clinical-Emergency Medical	
		Technology/Technician (EMT	
		Paramedic) I	1
EMSP	1501	Emergency Medical Technician	<u>5</u>
			6

Secon	d Seme	ster	Credit Hours
FIRS	1401	Firefighter Certification I	4
FIRS	1407	Firefighter Certification II	4
FIRS	1413	Firefighter Certification III	4
FIRS	1419	Firefighter Certification IV	4
FIRS	1433	Firefighter Certification VI	II <u>4</u>
		-	20
Total Ce	33		

# EXIT CERTIFICATE OF COMPLETION: BASIC FIREFIGHTER C2-FIRC

Third S	Semest	er Credit	Hours
<b>ENGL</b>	1301	Composition I (C)	3
FIRT	1327	Building Construction in the Fire	
		Service	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Mathematics Elective (C) (MNS)	<u>3</u>
			12

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Fourth Semester Credit H			ours
FIRS	2344	Driver/Pump Operator	3
FIRT	1305	Public Education Programs	3
FIRT	1307	Fire Prevention Codes and Inspections	3
		Humanities or Fine Arts Elective <sup>2</sup> (C)	
		(HFA)	3
		Social and Behavioral Sciences	
		Elective <sup>3</sup> (C) (SBS)	<u>3</u>
			15
Total Credit Hours			

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>2</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

<sup>3</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, 2301, 2302, GOVT 2305, 2306, HIST 1301, 1302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

# **Fire Science Option**

Associate of Applied Science Degree (AAS-FIRT) Certificate of Completion (C2-FIRC)

The Associate of Applied Science Degree in Fire Science Option provides students with professional-level education to meet personnel needs in the fire science field. Upon successful completion of the first year of the degree path, students are eligible for the Certificate of Completion in Basic Firefighter. The Certificate satisfies the Texas Commission on Fire Protection's requirements for Texas Basic Structure Fire Protection Certification. Students are also eligible for International Fire Service Accreditation Congress (IFSAC) seals. Students will be required to take TSIA2 placement tests or equivalent, and achieve the following levels of course placement or higher: [INRW 0311 or INRW 0312 or INRW 0313] and NCBM 0302. The capstone experience for the AAS Degree and Certificate of Completion is The Texas Commission on Fire Protection's Basic Structure Fire Suppression Examination.

Current firefighters meeting state exemption requirements can earn the associate degree, tuition free. For more information visit the Financial Aid Office at any campus, or visit collegeforalltexans.com.

For more information visit: epcc.edu/Academics/FireTechnology

Prerec	quisite :	Semester C	redit Hours
FIRS	1103	Firefighter Agility and Fitne	SS
		Preparation	1
FIRT	1301	Fundamentals of Fire Protec	tion 3
FIRT	1319	Firefighter Health and Safety	y <u>3</u>
			7

First S	emeste	er Credi	t Hours
EMSP	1160	Clinical-Emergency Medical	
		Technology/Technician (EMT	
		Paramedic) I	1
<b>EMSP</b>	1501	Emergency Medical Technician	<u>5</u>
			6

Secon	d Seme	<b>Credit Hours</b>	
FIRS	1401	Firefighter Certification I	4
FIRS	1407	Firefighter Certification II	4
FIRS	1413	Firefighter Certification II	[ 4
FIRS	1419	Firefighter Certification IV	4
FIRS	1433	Firefighter Certification V	II <u>4</u>
		_	20

Total Certificate Hours 33

EXIT CERTIFICATE OF COMPLETION: BASIC FIREFIGHTER C2-FIRC

Third S	Semest	er Credit	Hours
FIRT	1303	Fire and Arson Investigation I or	
FIRT	1315	Hazardous Materials I	3
FIRT	1338	Fire Protection Systems	3
KINE	2100	Weight Training I	<u>1</u>
			7

Fourth	Semes	ster C	redit Hours
<b>ENGL</b>	1301	Composition I (C)	3
FIRT	1445	Hazardous Materials II or	
FIRT	2433	Fire and Arson Investigation	II 4
		Social and Behavioral Science	es
		Elective <sup>1</sup> (C) (SBS)	<u>3</u>
			10

Fifth S	emeste	er (Summer) Credit	Hours
KINE	1104	Jogging	1
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Mathematics Elective <sup>2</sup> (C) (MNS)	3
		Humanities or Fine Arts Elective <sup>3</sup> (	C)
		(HFA)	<u>3</u>
			10
Total Credit Hours			60

<sup>1</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, 2301, 2302, GOVT 2305, 2306, HIST 1301, 1302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>2</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>3</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

# Fire Management

Associate of Applied Science Degree (AAS-FIRE)

The Associate of Applied Science Degree in Fire Management offers higher-level fire protection courses for veteran firefighters preparing for supervisory/management roles in fire service. The role of fire officers is to manage the day-to-day responsibilities of the fire company. Understanding the administrative duties as well as the supervisory functions of the fire company helps to meet fire department objectives. Firefighters that are aspiring to meet the challenges of today's supervisory roles need the academics and practice as fire officers. Fire departments are requiring officer candidates to be certified in Fire Officer I and II. FIRT 1342: Fire Officer I and FIRT 1343: Fire Officer II are courses that lead to Texas Commission on Fire Protection certification. If you're unsure if you meet the qualifications necessary for the certification course, meet with the Fire Technology discipline coordinator to verify eligibility. Other embedded certifications within the degree plan are FIRT 2305: Fire Instructor I and FIRT 2307, Fire Officer II. Students will be required to take TSIA2 placement tests or equivalent, and achieve the following levels of course placement or higher: [INRW 0311 or INRW 0312 or INRW 0313] and NCBM 0302. The capstone experience for the AAS Degree is FIRT 2351, Company Fire Officer.

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Current firefighters meeting state exemption requirements can earn the associate degree, tuition free. For more information visit the Financial Aid Office at any campus, or visit collegeforalltexans.com.

For more information visit: epcc.edu/Academics/FireTechnology

First S	Semeste	er Credit H	lours
FIRT	1309	Fire Administration I	3
FIRT	1319	Firefighter Health and Safety	3
FIRT	1338	Fire Protection Systems	3
FIRT	2309	Firefighting Strategies and Tactics I	3
		Fire Technology Elective <sup>1</sup>	<u>3</u>
			15

Second	d Seme	ster Credit Ho	ours
ENGL	1301	Composition I (C)	3
FIRT	1327	Building Construction in the Fire	
		Service	3
		Humanities or Fine Arts Elective <sup>2</sup> (C)	
		(HFA)	3
		Mathematics Elective <sup>3</sup> (C) (MNS)	3
		Social and Behavioral Sciences	
		Elective <sup>4</sup> (C) (SBS)	<u>3</u>
			15

Third	Semest	er Credit H	lours
FIRT	1342	Fire Officer I	3
FIRT	1353	Legal Aspects of Fire Protection	3
FIRT	2305	Fire Instructor I	3
FIRT	2331	Firefighting Strategies and Tactics II	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			15

Fourth	Semes	ster Credit Ho	ours
FIRT	1307	Fire Prevention Codes and Inspections	3
FIRT	1343	Fire Officer II	3
FIRT	2307	Fire Instructor II	3
FIRT	2351	Company Fire Officer	3
		Fire Technology Elective <sup>1</sup>	3
			15

<sup>1</sup>Fire Technology Elective: Complete two courses from FIRT 1303, 1305, or 1315.

<sup>2</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

**Social and Behavioral Sciences Elective:** Complete one course from ECON 1301, 2301, 2302, GOVT 2305, 2306, HIST 1301, 1302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

# **Fire Inspector Certificate**

**Total Credit Hours** 

Enhanced Skills Certificate of Completion (C3-FICC)

The Enhanced Certificate of Completion in Fire Inspector is for students with firefighting experience who are interested in pursuing fire inspector duties. The student will be able to recognize fire and safety hazards and through proper inspection practice, minimize the potential for loss of life and property. The capstone course for the Fire Inspector Certificate is FIRT 1340, Fire Inspector II.

Students must meet the placement testing for INRW 0311 or INRW 0312 or INRW 0313 or equivalent and GET APPROVAL FROM THE FIRE TECHNOLOGY COORDINATOR in order to register for the courses in this certificate.

Current firefighters meeting state exemption requirements can earn the certificate, tuition-free. For more information visit the Financial Aid Office at any campus, or visit collegeforalltexans.com.

For more information visit: epcc.edu/Academics/FireTechnology

		_	
One Semester			Credit Hours
FIRT	1202	Plan Examiner	2
FIRT	1340	Fire Inspector II	3
FIRT	1408	Fire Inspector I	<u>4</u>
			9
Total Cro	edit Hour	9	

## **Paralegal**

Associate of Applied Science Degree (AAS-LGLA)

The Associate of Applied Science Degree in Paralegal trains students to provide essential auxiliary services to the legal profession. Under the supervision and direction of a lawyer, Paralegals apply their knowledge of law and legal procedures to assist lawyers in legal research; prepare and interpret legal documents; courtroom/trial assistance; interview/investigate clients; and organization/ scheduling. Students completing the Associate of Applied Science degree in Paralegal will be eligible to apply to the various National Paralegal Associations that offer certification. The capstone course for the AAS Degree is LGLA 2381, Cooperative Education-Legal Assistant/Paralegal II.

Students starting in the Fall Semester of the Paralegal Program must take the following courses concurrently: LGLA 1307, LGLA 1345, and LGLA 1303.

Students registering for LGLA 2380 must have already completed LGLA 1303, LGLA 1307, LGLA 1345, and LGLA 2335, plus have second-year standing.

Students registering for LGLA 2381 must have completed LGLA 2380 OR OBTAIN APPROVAL FROM THE PROGRAM COORDINATOR.

For more information visit: epcc.edu/Academics/Paralegal

First S	emeste	er Credit	Hours
ENGL	1301	Composition I (C)	3
ITSC	1301	Introduction to Computers	3
LGLA	1303	Legal Research	3
LGLA	1307	Introduction to Law and the Legal	
		Professions	3
LGLA	1345	Civil Litigation	<u>3</u>
			15

Second	l Seme	ster Credit I	lours
ENGL	2311	Technical & Business Writing	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C) (SBS)	3
LGLA	1353	Wills, Trusts and Probate	
		Administration	3
LGLA	2309	Real Property	3
LGLA	2335	Advanced Civil Litigation	<u>3</u>
			15

60

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Third S	Semest	er (Summer) Credit H	ours
SPCH	1321	Business & Professional	
		Communication (C)	3 3
			3
Fourth	Seme	ster Credit H	ours
LGLA	1351	Contracts	3
LGLA	2303	Torts and Personal Injury Law	3
LGLA	2380	Cooperative Education-Legal	
		Assistant/Paralegal I	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C) (SBS) or	
PHIL	2306	Introduction to Ethics (C) (HFA)	3
MATH	1332	Contemporary Mathematics	
		(Quantitative Reasoning) (C) (MNS)	<u>3</u>
		-	15

Fifth S	emeste	er (	Credit Hours
LGLA	1301	Legal Research and Writing	3
LGLA	1355	Family Law	3
LGLA	2381	Cooperative Education-Leg	al
		Assistant/Paralegal II	3
		Paralegal Elective <sup>1</sup>	<u>3</u>
			12
<b>Total Credit Hours</b>			

Paralegal Elective: Complete one course from LGLA 1343, 1359, or 2313.

#### **Paralegal Certificate**

## Advanced Technical Certificate of Completion (C4-LGLB)

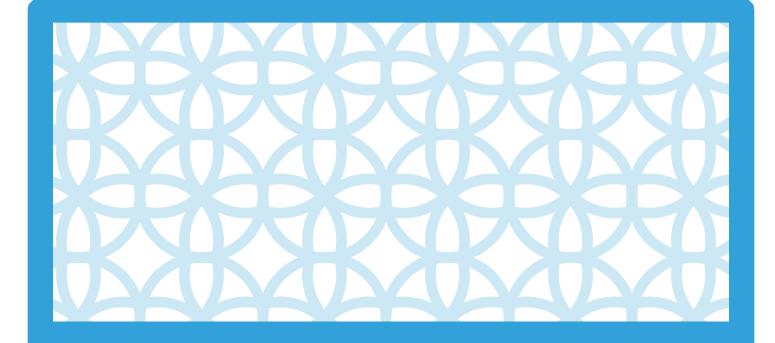
The Advanced Technical Certificate of Completion in Paralegal is available to students who have previously completed an Associate's or Bachelor's degree or have previously completed at least 27 semester credit hours, which include a minimum of 18 hours of general education. Students completing this program receive an Advanced Technical Certificate of Completion and may apply to the National Association of Legal Assistance for certification. The capstone course for this Advanced Technical Certificate of Completion is LGLA 2335, Advanced Civil Litigation.

Prior to registering for this Advanced Technical Certificate of Completion or for LGLA 2381, students need to contact the Program Coordinator.

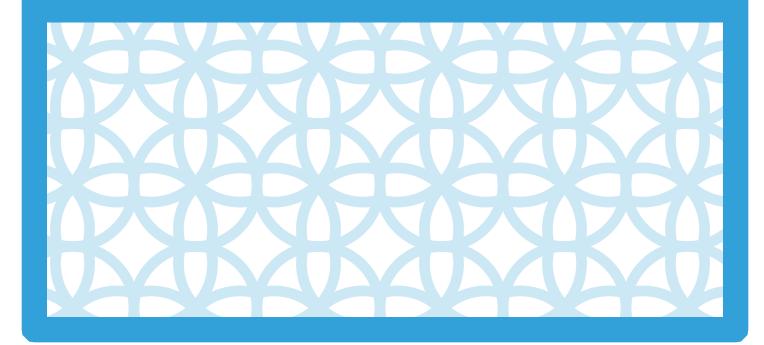
For more information visit: epcc.edu/Academics/Paralegal

First S	emeste	er Credit	Hours
LGLA	1303	Legal Research	3
LGLA	1307	Introduction to Law and the Legal	
		Professions	3
LGLA	1345	Civil Litigation	3
LGLA	1351	Contracts	3
LGLA	2303	Torts and Personal Injury Law	<u>3</u>
			15

Second	d Seme	ster	Credit Hours
LGLA	1301	Legal Research and Writing	g 3
LGLA	1353	Wills, Trusts and Probate	
		Administration	3
LGLA	1355	Family Law	3
LGLA	2309	Real Property	3
LGLA	2335	Advanced Civil Litigation	3
LGLA	2381	Cooperative Education-Leg	gal
		Assistant/Paralegal II	<u>3</u>
			18
Total Credit Hours			33



## Science, Technology, Engineering & Math



60

#### **STEM**

(Science, Technology, Engineering & Math)

#### **Architecture**

Associate of Science Degree (AS-ARCH)

#### FIELD OF STUDY IN ARCHITECURE

The Associate of Science in Architecture provides students with a strong foundational knowledge of the field of Architecture. Students will learn the necessary skills Architects need to master such as designing, engineering, managing, supervising, and effective communication with clients and builders. Students who complete the AS in Architecture are encouraged to continue their education on to Bachelor's of Architecture degree, and later a Master's of Architecture degree. Students planning on transferring to Texas Tech University at El Paso College of Architecture must complete their Core Curriculum course requirements before applying for transfer. If you are planning to transfer to Texas Tech University in Lubbock or any other Texas institution excluding TTU El Paso, all credits will transfer even if students aren't Core complete. All students will be required to submit a portfolio of their work to their selected university or college for review and acceptance. All Texas public institutions, including TTU El Paso accept all Architecture Field of Study (FOS) courses. See the degree plan below to view which courses count toward the Architecture FOS. Architecture courses are only offered in the semester they appear in.

For more information visit: epcc.edu/Academics/Architecture

Summe	er Sess	ion Credi	t Hours
ARCH	1311	Introduction to Architecture (F)	3
EDUC	1300	Learning Framework (C)	3
HIST	1301	United States History I (C)	<u>3</u>
		•	9
Fall Se	mester	Credi	t Hours
ARCH	1303	Architectural Design I (F)	3
ARCH	1307	Architectural Graphics I (F)	3
<b>ENGL</b>	1301	Composition I(C)	3 3 <u>3</u> 12
HIST	1302	United States History II (C)	3
		•	12
Spring	Semes	ster Credit	t Hours
<b>Spring</b> ARCH	<b>Semes</b> 1304	ster Credit Architectural Design II (F)	t Hours
ARCH	1304	Architectural Design II (F)	3
ARCH ARCH	1304 1308	Architectural Design II (F) Architectural Graphics II (F)	3 3
ARCH ARCH	1304 1308	Architectural Design II (F) Architectural Graphics II (F) Federal Government (Federal	3 3
ARCH ARCH GOVT	1304 1308 2305	Architectural Design II (F) Architectural Graphics II (F) Federal Government (Federal Constitution & Topics) (C)	3
ARCH ARCH GOVT	1304 1308 2305 1314	Architectural Design II (F) Architectural Graphics II (F) Federal Government (Federal Constitution & Topics) (C) College Algebra (C)	3 3
ARCH ARCH GOVT MATH	1304 1308 2305 1314	Architectural Design II (F) Architectural Graphics II (F) Federal Government (Federal Constitution & Topics) (C) College Algebra (C)	3 3 3 <u>3</u> 12
ARCH ARCH GOVT MATH	1304 1308 2305 1314	Architectural Design II (F) Architectural Graphics II (F) Federal Government (Federal Constitution & Topics) (C) College Algebra (C)	3 3 3 <u>3</u> 12

Fall Se	mester	Credit	Hours
ARCH	1301	Architectural History I (CF)	3
ARCH	2312	Architectural Technology (F)	3
ARCH	2603	Architectural Design III (F)	<u>6</u>
			12

Spring	Semes	ster	<b>Credit Hours</b>
ARCH	1302	Architectural History II (F)	3
ARCH	2604	Architectural Design IV (F	<u>6</u>
			9

<sup>1</sup>Core Curriculum Elective: Complete one course from the Core Curriculum, see the Core Curriculum section of the catalog for a listing of courses. Courses may not be used more than once within the degree plan.

#### **Biological Sciences**

**Total Credit Hours** 

Associate of Science Degree (AS-BIOL)

The two-year Biological Sciences program prepares students to transfer directly into a Bachelor's degree program in Biology at a four-year institution. Students are responsible for completing all prerequisite courses within the program. Students planning to transfer to a four-year institution should check degree requirements of the college or university to which they plan to transfer.

For more information visit: epcc.edu/Academics/BiologicalSciences

First S	emeste	er Credit H	lours
BIOL	1306	Biology for Science Majors I	
		(Lecture) (C)	3
BIOL	1106	Biology for Science Majors I (Lab)	1
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I(C)	3
		Mathematics <sup>1</sup> (C)	<u>3</u>
			13

Second	l Seme	ster Credit H	ours
BIOL	1307	Biology for Science Majors II	
		(Lecture) (C)	3
BIOL	1107	Biology for Science Majors II (Lab)	1
<b>ENGL</b>	1302	Composition II (C)	3
HIST	1301	United States History I (C)	3
CHEM	1311	General Chemistry I (Lecture) (C)	3
CHEM	1111	General Chemistry I (Lab)	<u>1</u>
		• • •	14

Third S	Semest	er (Summer)	<b>Credit Hours</b>
HIST	1302	United States History II (C	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			6

Fourth	Seme	ster Credit 1	Hours
CHEM	1312	General Chemistry II (Lecture) (C)	3
CHEM	1112	General Chemistry II (Lab)	1
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
		Biology Elective <sup>2</sup>	4
		Language, Philosophy, and Culture <sup>3</sup>	
		(C)	<u>3</u>
			14

Fifth S	emeste	er Credit H	lours
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
		Biology Elective <sup>2</sup>	4
		Creative Arts <sup>4</sup> (C)	3
		Social and Behavioral Sciences <sup>5</sup> (C)	<u>3</u>
			13
Total Cr	edit Hour	rs	60

<sup>&</sup>lt;sup>1</sup>Mathematics: Complete MATH 1314 (preferred) or one course from 2314, 2412 or 2413.

#### Chemistry

#### Associate of Science Degree (AS-CHEM)

The Associate of Science Degree in Chemistry covers the first two years of a four-year curriculum leading to a Bachelor's Degree in Chemistry. Students learn to apply math and chemistry concepts in the laboratory, and develop critical thinking skills to solve different types of problems including unit conversion and dimensional analysis. Upon completion of this program, students are able to define the fundamental properties of matter; determine the basic nuclear/electronic structures of atoms; identify trends in chemical/physical elemental properties; write chemical formulas and balance equations; utilize gas laws and the basics of the Kinetic Molecular Theory to solve gas problems; and understand concepts such as: stereochemistry, structure and reactivity, reaction mechanisms, functional groups, synthesis of simple molecules, and the use of spectroscopic data to determine the structure of organic molecules.

For more information visit: epcc.edu/Academics/Chemistry

First S	emeste	er Credit I	Hours
CHEM	1311	General Chemistry I (Lecture) (C)	3
CHEM	1111	General Chemistry I (Lab)	1
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I(C)	3
HIST	1301	United States History I (C)	<u>3</u>
			13

Second	l Seme	ster Credit I	lours
CHEM	1312	General Chemistry II (Lecture) (C)	3
CHEM	1112	General Chemistry II (Lab)	1
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
MATH	2413	Calculus I(C)	<u>4</u>
			1.4

Third S	Semest	er (Summer)	Credit Hours
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professiona	al
		Communication (C)	3
		Creative Arts <sup>1</sup> (C)	3
		Language, Philosophy,	and Culture <sup>2</sup>
		(C)	<u>3</u>
			9

Fourth	Seme	ster Credit H	ours
CHEM	2423	Organic Chemistry I (Lecture + Lab)	4
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
MATH	2314	Calculus II (C)	<u>3</u>
			10

Fifth S	emeste	er Credit Ho	ours
CHEM	2425	Organic Chemistry II (Lecture + Lab)	4
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
PHYS	2325	University Physics I (Lecture) (C)	3
PHYS	2125	University Physics I (Lab)	1
		Social and Behavioral Sciences <sup>3</sup> (C)	<u>3</u>
			14
Total Credit Hours			60

<sup>&</sup>lt;sup>1</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

#### **Computer Science**

Associate of Arts Degree (AA-COSC)

The two-year Associate of Arts Degree in Computer Science prepares students to transfer directly into a Bachelor's Degree in Computer Science at a four-year institution. Students planning to enter the computer science field or the Associates Degree in Computer Programming or Networking are advised to select electives that will apply to the academic coursework in that degree plan. The Associate of Arts in Computer Science provides a balanced program that gives students a strong concentration in the computer programming area. It is highly recommended that students complete the Math and Physics sequence at the same institution.

It is highly recommended that students transferring to UTEP Computer Science Bachelor of Science should additionally consider taking MATH 2305, Discrete Mathematics.

For more information visit: epcc.edu/Academics/ComputerScience

First Ser	neste	r Credit H	ours
COSC	1436	Programming Fundamentals I	4
EDUC	1300	Learning Framework (C)	3
ENGL	1301	Composition I(C)	3
HIST	1301	United States History I (C)	3
MATH	2413	Calculus I (C)	<u>4</u>
			17

<sup>&</sup>lt;sup>2</sup>Biology Electives: Complete eight credits from BIOL 1411, 1413, or 2421.

<sup>&</sup>lt;sup>3</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>&</sup>lt;sup>4</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

<sup>&</sup>lt;sup>5</sup>Social and Behavioral Sciences: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>&</sup>lt;sup>2</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>&</sup>lt;sup>3</sup>Social and Behavioral Sciences: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

Second	l Seme	ster (	Credit Hours
COSC	1437	Programming Fundamentals	II 4
<b>ENGL</b>	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
MATH	2314	Calculus II (C)	<u>3</u>
			13

Third S	Semest	er (Summer)	Credit Hours
SPCH	1315	Public Speaking (C) o	r
SPCH	1321	Business & Profession	nal
		Communication (C)	3
		Language, Philosophy	, and Culture <sup>1</sup>
		(C)	3
		Social and Behavioral	Sciences $^2(C)$ 3
			9

Fourth	Seme	ster Credit	Hours
COSC	2336	Programming Fundamentals III	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
PHYS	2325	University Physics I (Lecture) (C)	3
PHYS	2125	University Physics I (Lab)	<u>1</u>
			10

Fifth S	emeste	er Credit I	<b>Hours</b>
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
PHYS	2326	University Physics II (Lecture) (C)	3
PHYS	2126	University Physics II (Lab)	1
		Creative Arts <sup>3</sup> (C)	3
		Elective Option <sup>4</sup>	1
			11

<sup>1</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

**Social and Behavioral Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>3</sup>Creative Arts: Complete one from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

Elective Option: Complete COSC 2425 or any academic course. See Course Descriptions section for courses with a "T." Courses may only apply once within the degree plan.

#### **Computer Programming**

**Total Credit Hours** 

Associate of Applied Science Degree (AAS-ITSC)

The Associate of Applied Science Degree in Computer Programming trains students to be entry-level Junior Programmers I. Working under the supervision of a senior programmer, Junior Programmers (or Programmer Trainees) develop program structure charts/logic plans; code, debug, and test programs written in a high-level language; and prepare program documentation. Junior Programmers may be assigned tasks such as modifying existing programs and system design projects, analyzing systems, flow charting, input/output design, and system documentation. While focusing on programming concepts and languages, it also provides a fundamental core knowledge of data including advanced spreadsheets, Microsoft access, and Oracle databases with SQL (Structured Query Language). It is anticipated that a student will begin study the summer after their high school graduation. The degree can be completed sooner or take longer depending on a student's particular course load. The capstone

course for the AAS Degree in Computer Programming is ITSC 2381, Cooperative Education–Computer and Information Sciences, General II

For more information visit:

epcc.edu/Academics/InformationTechnologySystems

First S	emeste	er (Summer)	Credit Hours
ITSC	1301	Introduction to Comp	uters 3
ITSE	1329	Programming Logic a	nd Design 3
			6

Second	ster Credit Ho	ours	
ITSE	1311	Beginning Web Programming	3
ITSE	2309	Database Programming	3
ITSW	1313	Introduction to Data Entry	3
ITSY	1300	Fundamentals of Information Security	<u>3</u>
			12

Third S	Semest	er Credit Ho	ours
ITNW	1308	Implementing and Supporting Client	
		Operating Systems	3
ITSC	2380	Cooperative Education-Computer and	
		Information Sciences, General I	3
ITSE	1307	Introduction to C++ Programming or	
COSC	1320	C Programming	3
ITSE	1333	Mobile Applications Development	3
ITSE	1350	System Analysis and Design	<u>3</u>
			15

Fourth	Semes	ster (Summer)	<b>Credit Hours</b>
SPCH	1315	Public Speaking (C) or	
SPCH	1321	<b>Business &amp; Professional</b>	
		Communication (C)	<u>3</u>
			3

Fifth S	emeste	er Credit 1	Hours
ENGL	1301	Composition I (C)	3
ITSE	1345	Introduction to Oracle SQL	3
ITSE	2317	JAVA Programming	3
		Mathematics Elective <sup>1</sup> (C) (MNS)	<u>3</u>
			12

Sixth	Semeste	er Credit Ho	ours
ITSC	2381	Cooperative Education-Computer and	
		Information Sciences, General II	3
ITSE	1359	Introduction to Scripting Languages	3
		Social and Behavioral Sciences	
		Elective <sup>2</sup> (C) (SBS)	3
		Humanities or Fine Arts Elective <sup>3</sup> (C)	
		(HFA)	<u>3</u>
			12
Total C	redit Hour	s	60

<sup>1</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

**2Social and Behavioral Sciences Elective:** Complete one course from ECON 1301, 2301, 2302, GOVT 2305, 2306, HIST 1301, 1302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318. **3Humanities or Fine Arts Elective:** Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

60

## Entry Level Computer Programming Certificate

Certificate of Completion (C1-ITEL)

The Certificate of Completion in Computer Programming trains students to become entry-level junior programmers. Working under the supervision of a senior programmer, the junior programmer (sometimes referred to as a programmer trainee) develops program structure charts and logic plans; codes, debugs, and tests programs written in high-level language; and prepares program documentation. The capstone course for the Certificate of Completion in Entry-Level Computer Programming is ITSC 2380, Cooperative Education-Computer and Information Sciences, General I.

For more information visit: epcc.edu/Academics/InformationTechnologySystems

First S	emeste	er (Summer)	Credit Hour	S
ITSC	1301	Introduction to Compu	ters 3	
ITSE	1329	Programming Logic an	d Design 3	
ITSW	1313	Introduction to Data En	ntry <u>3</u>	1
			9	)

Second	Seme	ster Credit Ho	urs
ITSE	1345	Introduction to Oracle SQL	3
ITSE	2309	Database Programming	3
ITSY	1300	Fundamentals of Information Security	3
		•	9

Third:	Semest	er Credit Ho	ours
ITNW	1308	Implementing and Supporting Client	
		Operating Systems	3
ITSC	2380	Cooperative Education-Computer and	
		Information Sciences, General I	3
ITSE	1307	Introduction to C++ Programming or	
COSC	1320	C Programming	3
ITSE	1333	Mobile Applications Development	3
ITSE	1350	System Analysis and Design	<u>3</u>
			15
Total Cr	edit Hour	rs	33

#### **Cyber Security**

Associate of Applied Science Degree (AAS-CYBE)

The Associate of Applied Science Degree in Cyber Security teaches students how to install, design, manage, operate, plan, troubleshoot, and secure an information technology infrastructure. Topics covered in the program range from local area networks to wide area networks and security technologies. Students learn to guard vital information systems vigilantly while fighting cyber-crime, such as identity data theft, hacking, and invasion of privacy that plagues corporations and government agencies. Network security training provides students with the ability to handle web and network security exploits, intrusion prevention, network traffic analysis, cryptography, and encryption. Many courses are Cisco certified with a Cisco certified instructor. It is anticipated that a student will begin study the summer after their high school graduation. The degree can be completed sooner or take longer depending on a student's particular course load. The capstone course for the AAS Degree is ITSC 2381, Cooperative Education-Computer and Information Sciences, General II.

For more information visit:

epcc.edu/Academics/InformationTechnologySystems

First S	emeste	er (Summer)	<b>Credit Hours</b>
ITSC	1301	Introduction to Computers	3
ITSW	1313	Introduction to Data Entry	<u>3</u>
			6

Second	d Seme	ster Credit Ho	ours
<b>ENGL</b>	1301	Composition I (C)	3
ITCC	1314	CCNA 1: Introduction to Networks	3
ITSC	1305	Introduction to PC Operating Systems	3
ITSY	1300	Fundamentals of Information Security	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
			15

Third :	Semest	er Credit Ho	ours
ITCC	1344	CCNA 2: Switching, Routing, and	
		Wireless Essentials	3
ITSE	1359	Introduction to Scripting Languages	3
		Humanities or Fine Arts Elective <sup>1</sup> (C)	
		(HFA)	3
		Mathematics Elective <sup>2</sup> (C) (MNS)	<u>3</u>
			12

Fourth	ı Semes	ster (Summer)	Credit Ho	ours
ITSC	1316	Linux Installation and C	Configuration	3
		Social and Behavioral S	Sciences	
		Elective <sup>3</sup> (C) (SBS)		<u>3</u>
				6

Fifth S	Semeste	er Credit H	ours
ITCC	2320	CCNA 3: Enterprise Networking,	
		Security, and Automation	3
ITSC	2380	Cooperative Education-Computer and	
		Information Sciences, General I	3
ITSY	2300	Operating System Security	3
ITSY	2301	Firewalls and Network Security	
		Design	<u>3</u>
			12

Sixth S	Semest	er Credit H	ours
ITSC	2381	Cooperative Education-Computer and	
		Information Sciences, General II	3
ITSY	2330	Intrusion Detection	3
ITSY	2343	Computer System Forensics	3
			9
<b>Total Credit Hours</b>			60

Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

<sup>2</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>3</sup>Social and Behavioral Sciences Electives: Complete one course from ECON 1301, 2301, 2302, GOVT 2305, 2306, HIST 1301, 1302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

## Computer Support Technician A+Certificate

Certificate of Completion (C1-ITCS)

The Certificate of Completion in Computer Support Technician A+prepares students for entry-level positions in computer maintenance, repair, and upgrade. This training will include troubleshooting, configuration, installation, hardware upgrading, hardware peripherals, and software with an emphasis on A+ Certification concepts and practices. The course of study also provides students with a basic understanding of data communication concepts and hands-on networking training. This Certificate will prepare students to handle all facets of computer technician job requirements and provide a foundation in networking. The capstone course for the Certificate of Completion in Computer Support Technician A+ is ITSC 2380, Cooperative Education-Computer and Information Sciences, General I.

For more information visit:

epcc.edu/Academics/InformationTechnologySystems

First S	emeste	er (Summer) Credit Ho	ours
ITSC	1301	Introduction to Computers	3
ITSC	1305	Introduction to PC Operating Systems	3
ITSW	1313	Introduction to Data Entry	3
			0

Secon	d Semes	ster Credit Ho	ours
ITCC	1314	CCNA 1: Introduction to Networks	3
ITSC	1316	Linux Installation and Configuration	3
ITSY	1300	Fundamentals of Information Security	3
ITSY	2300	Operating System Security	<u>3</u>
			12

Third	Semest	er Credit Ho	ours
ITCC	1344	CCNA 2: Switching, Routing, and Wireless Essentials	3
ITSC	2380	Cooperative Education-Computer and Information Sciences, General I	3
ITSY	2343	Computer System Forensics	<u>3</u>
Total Cr	edit Hom	rs	30

#### **Information Technology in Business**

Associate of Applied Science Degree (AAS-ITIB)

The Associate of Applied Science Degree in Information Technology in Business prepares graduates in adapting commercial application packages for business solutions. In addition to the exit competencies of the required first-year coursework, such as operating systems familiarity, and problem-solving with business productivity software, students will also be able to design and implement solutions to business action plans using a variety of business software. Graduates may provide employers with input regarding hardware and software capabilities and specifications and will be qualified to act as training aides or provide user liaison services. This program also offers a certificate option in Information Technology in Business. It is anticipated that a student will begin study the summer after their high school graduation. The degree can be completed sooner or longer, based on students' preference. The capstone course for the AAS Degree in Information Technology in Business is ITSC 2381, Cooperative Education-Computer and Information Sciences, General

For more information visit:

epcc.edu/Academics/InformationTechnologySystems

First S	emeste	er (Summer)	<b>Credit Hours</b>
ITSC	1301	Introduction to Computers	3
ITSW	1313	Introduction to Data Entry	<u>3</u>
			6

Second	d Seme	ster Credit Ho	ours
ACCT	2301	Principles of Financial Accounting or	
BUSG	1301	Introduction to Business	3
ITSC	1305	Introduction to PC Operating Systems	3
ITSE	1329	Programming Logic and Design	3
ITSW	2334	Advanced Spreadsheets	3
		•	12

Third S	Semest	er Credit Ho	urs
ITSC	2380	Cooperative Education-Computer and	
		Information Sciences, General I	3
ITSE	1311	Beginning Web Programming	3
ITSY	1300	Fundamentals of Information Security	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
			12

Fourth	Seme	ster (Summer)	<b>Credit Hours</b>
ENGL	1301	Composition I (C)	3
		Social and Behavioral	Sciences
		Elective <sup>1</sup> (C) (SBS)	<u>3</u>
			6

Fifth S	emeste	er Credit	Hours
ITCC	1314	CCNA 1: Introduction to Networks	3
ITSE	2309	Database Programming	3
ITSY	2301	Firewalls and Network Security	
		Design	3
		Mathematics Elective <sup>2</sup> (C) (MNS)	<u>3</u>
			12

Sixth S	Semest	er Credit Ho	ours
ITNW	1308	Implementing and Supporting Client	
		Operating Systems	3
ITSC	2381	Cooperative Education-Computer and	
		Information Sciences, General II	3
ITSE	1345	Introduction to Oracle SQL	3
		Humanities or Fine Arts Elective <sup>3</sup> (C)	
		(HFA)	<u>3</u>
			12
Total Cr	Total Credit Hours		

<sup>1</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, 2301, 2302, GOVT 2305, 2306, HIST 1301, 1302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>2</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

**Humanities or Fine Arts Elective:** Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

#### Information Technology in Business Certificate

Certificate of Completion (C1-ITBC)

The Certificate of Completion in Information Technology in Business prepares students to be proficient in commercial application packages in a business environment. Students will also be able to design and implement IT solutions to business plans. Graduates will be able to provide employers with input regarding hardware and software capabilities and specifications and will be trained in web page development. The capstone course for the Certificate of Completion in Information Technology in Business is ITSC 2380, Cooperative Education-Computer and Information Sciences, General I.

For more information visit:

epcc.edu/A cademics/InformationTechnologySystems

First Semester (Summer)			<b>Credit Hours</b>
ITSC	1301	Introduction to Computers	3
ITSW	1313	Introduction to Data Entry	<u>3</u>
			6

Second	d Seme	ster Credit Ho	ours
ACCT	2301	Principles of Financial Accounting or	
BUSG	1301	Introduction to Business	3
ITSC	1305	Introduction to PC Operating Systems	3
ITSE	1329	Programming Logic and Design	3
ITSW	2334	Advanced Spreadsheets	<u>3</u>
			12

Third	Semest	er Credit Ho	ours
ITSC	2380	Cooperative Education-Computer and	
		Information Sciences, General I	3
ITSE	1311	Beginning Web Programming	3
ITSE	2309	Database Programming	3
ITSY	1300	Fundamentals of Information Security	<u>3</u>
			12

#### **Data Support Specialist Certificate**

Certificate of Completion (C1-DSSC)

The Certificate of Completion in Data Support Specialist prepares students to be entry-level computer processing information technicians or support specialists. The program teaches data entry input to PC screens and keyboarding to provide speed and accuracy skills, among computer fundamentals, operating systems, input and program editing, networking, troubleshooting, and business computer applications techniques. The capstone course for the Certificate of Completion in Data Support Specialist is ITSC 2381, Cooperative Education-Computer and Information Sciences, General II.

For more information visit:

**Total Credit Hours** 

epcc.edu/Academics/InformationTechnologySystems

First S	emeste	er (Summer)	<b>Credit Hours</b>
ITSC	1301	Introduction to Computers	3
ITSW	1313	Introduction to Data Entry	<u>3</u>
			6

Second	l Seme	ster Credit Ho	urs
ITSC	1305	Introduction to PC Operating Systems	3
ITSC	2380	Cooperative Education-Computer and	
		Information Sciences, General I	3
ITSE	1329	Programming Logic and Design	3
ITSW	2334	Advanced Spreadsheets	3
ITSY	1300	Fundamentals of Information Security	<u>3</u>
			15
m1 · 14			
Inira	Semest	er Credit Ho	urs
I nira :	<b>Semest</b> 1314	er Credit Ho CCNA 1: Introduction to Networks	<b>urs</b> 3
ITCC	1314	CCNA 1: Introduction to Networks	
ITCC	1314	CCNA 1: Introduction to Networks Implementing and Supporting Client	3

Total Credit Hours

Beginning Web Programming

3 12

33

#### **Information Networking**

ITSE

Associate of Applied Science Degree (AAS-NETW)

The Associate of Applied Science Degree in Information Networking provides students with the training to be network systems technicians, network administrators, or multimedia installers and specialists. Topics include microcomputers, spreadsheets, multimedia, networking, hardware electronics, and computer programming. All CISCO courses are certified and are taught by a CISCO certified instructor. It is anticipated that students will begin study the summer after their high school graduation. The degree can be completed sooner or later, depending on students' particular course load. The capstone course for the AAS Degree in Information Networking is ITSC 2381, Cooperative Education-Computer and Information Sciences, General II.

For more information visit: epcc.edu/Academics/InformationTechnologySystems

First Semester (Summer)			<b>Credit Hours</b>
ITSC	1301	Introduction to Computers	3
ITSW	1313	Introduction to Data Entry	<u>3</u>
			6

Second	l Seme	ster Credit Ho	ours
<b>ENGL</b>	1301	Composition I (C)	3
ITCC	1314	CCNA 1: Introduction to Networks	3
ITSC	1305	Introduction to PC Operating Systems	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			12

Third	Semest	er Credit Ho	ours
ITCC	1344	CCNA 2: Switching, Routing, and	
		Wireless Essentials	3
ITSC	1316	Linux Installation and Configuration	3
		Humanities or Fine Arts Elective <sup>1</sup> (C)	
		(HFA)	3
		Mathematics Elective <sup>2</sup> (C) (MNS)	<u>3</u>
			12

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Fourth	a Seme	ster (Summer)	Credit Hou	ırs
ITSC	2380	Cooperative Education	-Computer and	
		Information Sciences, O	General I	3
		Social and Behavioral S	Sciences	
		Elective <sup>3</sup> (C) (SBS)		3
				6

Fifth S	emeste	er Credit Ho	ours
ITCC	2320	CCNA 3: Enterprise Networking,	
		Security, and Automation	3
ITNW	1308	Implementing and Supporting Client	
		Operating Systems	3
ITNW	1354	Implementing and Supporting Servers	3
ITSY	1300	Fundamentals of Information Security	<u>3</u>
			12

Sixth S	Semest	er Credit Ho	ours
ITNW	1353	Supporting Network Server	
		Infrastructure	3
ITSC	2325	Advanced Linux	3
ITSC	2381	Cooperative Education-Computer and	
		Information Sciences, General II	3
ITSY	2301	Firewalls and Network Security	
		Design	<u>3</u>
			12

<sup>1</sup>Humanities or Fine Arts Elective: Complete one course from ARCH 1301, ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, MUSI 1306, 1310, PHIL 1301, 2303, or 2306.

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<sup>2</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413.

<sup>3</sup>Social and Behavioral Sciences Elective: Complete one course from ECON 1301, 2301, 2302, GOVT 2305, 2306, HIST 1301, 1302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

#### Cisco Networking Training Certificate

Certificate of Completion (C2-CNTC)

**Total Credit Hours** 

The Certificate of Completion in Cisco Networking Training teaches students the skills needed to design, build, and maintain small to medium-sized networks. This program provides students with the opportunity to enter the workforce and/or further their education and training in the computer-networking field. Instruction includes safety, networking, network terminology and protocols, network standards, LANs, WANs, OSI models, cabling, cabling tools, routers, router programming, star topology, IP addressing, and network standards. It emphasizes the use of decision-making and problem-solving techniques to solve networking issues. Students participate in handson training on Cisco routers and switches in a laboratory environment to enhance students' knowledge of network configuration. The Cisco Networking Academy training will guide student to Certification as a Cisco Certified Network Associate (CCNA). The capstone course for the Certificate of Completion in Cisco Networking Training is ITSC 2380, Cooperative Education-Computer and Information Sciences,

For more information visit: epcc.edu/Academics/InformationTechnologySystems

First S	emeste	er (Summer)	<b>Credit Hours</b>
ITSC	1301	Introduction to Computers	3
ITSW	1313	Introduction to Data Entry	<u>3</u>
			6

Secon	d Seme	ster Credit Ho	urs
ITCC	1314	CCNA 1: Introduction to Networks	3
ITSC	1305	Introduction to PC Operating Systems	3
ITSY	1300	Fundamentals of Information Security	3
			9

Third	Semest	er Credit H	ours
ITCC	1344	CCNA 2: Switching, Routing, and	
		Wireless Essentials	3
ITSC	1316	Linux Installation and Configuration	3
ITSY	2343	Computer System Forensics	<u>3</u>
			9

Easset	- C	-t(C	Cuadit Harris
rourti	n Seme	ster (Summer)	<b>Credit Hours</b>
ITCC	2320	CCNA 3: Enterprise Netw	orking,
		Security, and Automation	3
ITSC	2380	Cooperative Education-Co	omputer and
		Information Sciences, Ger	neral I 3
ITSY	2301	Firewalls and Network Se	curity
		Design	<u>3</u>
			9
Total Cr	edit Hou	rs	33

## Networking and Security Technologies

Enhanced Skills Certificate of Completion (C3-ITNC)

The Enhanced Skills Certificate of Completion in Networking and Security Technologies provides additional networking and cyber security-related skills to individuals who have specialized in Cisco Network Training and Security. The certificate provides an opportunity to gain employment as a Cisco Certified Network and Cyber Security Associate with a highly specialized technical range of network and security skills and expertise. This certificate is only available to those who successfully complete or are concurrently enrolled in the AAS degree in Information Technology Systems-Information Networking or Cyber Security Degree. However, the courses which make up the certificate may be taken by anyone who meets program and college prerequisites.

For more information visit:

epcc.edu/Academics/InformationTechnologySystems

One Se	emestei	· Credit H	Iours
ITNW	1309	Fundamentals of Cloud Computing	3
ITNW	1336	Cloud Deployment & Infrastructure	
		Management	3
ITSY	2342	Incident Response & Handling	3
ITSY	2359	Security Assessment and Auditing	<u>3</u>
			12
Total Credit Hours			

#### **Civil Engineering**

Associate of Science Degree (AS-CIVI)

The Associate of Science in Engineering-Civil Engineering prepares students for four-year institutions by introducing them to Computer-Aided Design (CAD), structural engineering, properties of materials, infrastructure, environmental factors, and their theories. By the completion of this program, students may be able to join the civil engineering industry at entry-level positions. Students are encouraged

to transfer to a four-year institution after the completion of the AS in Civil Engineering.

For more information visit: epcc.edu/Academics/Engineering

First Semester			<b>Credit Hours</b>
EDUC	1300	Learning Framework (C)	3
ENGL	1301	Composition I(C)	3
ENGR	1304	Engineering Graphics I	3
HIST	1301	United States History I (C)	3
MATH	2413	Calculus I (C)	<u>4</u>
			16

Second	l Seme	ster Credit	Hours
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
MATH	2314	Calculus II (C)	3
PHYS	2325	University Physics I (Lecture) (C)	3
PHYS	2125	University Physics I (Lab)	<u>1</u>
			13

Third S	Semest	er (Summer)	Credit Hours
SPCH	1321	<b>Business &amp; Professional</b>	
		Communication (C)	3
		Creative Arts <sup>1</sup> (C)	<u>3</u>
			6

	-		
Fourth	Seme	ster Credit	Hours
CHEM	1311	General Chemistry I (Lecture) (C)	3
CHEM	1111	General Chemistry I (Lab)	1
ENGR	2301	Engineering Mechanics-Statics	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
MATH	2315	Calculus III	3
			13

Fifth Semester Cre		er Credit H	ours
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
		Language, Philosophy, and Culture <sup>2</sup>	
		(C)	3
		Social and Behavioral Sciences <sup>3</sup> (C)	3
		Engineering Elective <sup>4</sup>	3
			12
Total Cr	edit Hour	rs	60

<sup>1</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

<sup>2</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>3</sup>Social and Behavioral Sciences: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

Engineering Elective: Complete one course from ENGR 2302, 2308, or 2332. For students transferring to UTEP, ENGR 2308 is recommended.

## **Electrical and Computer Engineering Principles**

Associate of Science Degree (AS-ECEP)

The Associate of Science in Electrical and Computer Engineering Principles prepares students for four-year institutions by introducing them to Computer-Aided Design (CAD), MATLAB, C++ skills, AC/DC circuit analysis digital design, software development, and their theories. By the completion of this program, students may be able to join the electrical engineering industry at entry-level positions. Students are encouraged to transfer to a four-year institution after the completion of the AS in Electrical and Computer Engineering Principles.

For more information visit: epcc.edu/Academics/Engineering

First Semester			Credit Hours
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I (C)	3
HIST	1301	United States History I(C)	3
MATH	2413	Calculus I (C)	<u>4</u>
			13

Second Semester			Credit Hours
COSC	1320	C Programming	3
<b>ENGL</b>	1302	Composition II (C)	3
HIST	1302	United States History II (C	) 3
MATH	2314	Calculus II (C)	<u>3</u>
			12

Third :	Semest	er (Summer) Credit 1	Hours
SPCH	1321	Business & Professional	
		Communication (C)	3
		Language, Philosophy, and Culture <sup>1</sup>	
		(C)	3
		Social and Behavioral Sciences <sup>2</sup> (C)	<u>3</u>
			9

Fourth Semester		ster Credit	Hours
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
MATH	2320	Differential Equations	3
PHYS	2325	University Physics I (Lecture) (C)	3
PHYS	2125	University Physics I (Lab)	1
		Creative Arts <sup>3</sup> (C)	<u>3</u>
			13

Fifth S	emeste	er Credit H	lours
<b>ENGR</b>	2305	Electrical Circuits I or	
ENGR	2406	Introduction to Digital Systems	
		(Lecture + Lab)	3
<b>ENGR</b>	2308	Engineering Economics	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
PHYS	2326	University Physics II (Lecture) (C)	3
PHYS	2126	University Physics II (Lab)	<u>1</u>
			13
Total Cr	edit Hou	rs .	60

<sup>1</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

**2Social and Behavioral Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>3</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

#### **Industrial and Systems Engineering**

Associate of Science Degree (AS-IASE)

The Associate of Science in Engineering-Industrial and Systems Engineering prepares students for four-year institutions by introducing them to Computer-Aided Design (CAD), structural engineering, material properties, infrastructure, environmental factors, and their theories. By the completion of this program, students may be able to join the industrial engineering industry at entry-level positions. Students are encouraged to transfer to a four-year institution after the completion of the AS in Industrial and Systems Engineering.

For more information visit: epcc.edu/Academics/Engineering

First Semester			<b>Credit Hours</b>
EDUC	1300	Learning Framework (C)	3
ENGL	1301	Composition I(C)	3
ENGR	1304	Engineering Graphics I	3
HIST	1301	United States History I (C)	3
MATH	2413	Calculus I (C)	<u>4</u>
			16

Second	d Seme	ster Credit I	Hours
ENGL	1302	Composition II (C)	3
PHYS	2325	University Physics I (Lecture) (C)	3
PHYS	2125	University Physics I (Lab)	1
		Language, Philosophy, and Culture <sup>1</sup>	
		(C)	3
		Social and Behavioral Sciences <sup>2</sup> (C)	<u>3</u>
			13

Third S	Semest	er (Summer)	<b>Credit Hours</b>
HIST	1302	United States History II (C	3
SPCH	1321	Business & Professional	
		Communication (C)	<u>3</u>
			6

Fourth	Seme	ster Credit	Hours
CHEM	1311	General Chemistry I (Lecture) (C)	3
CHEM	1111	General Chemistry I (Lab)	1
ENGR	2301	Engineering Mechanics-Statics	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
MATH	2314	Calculus II (C)	<u>3</u>
			13

Fifth S	emeste	er	<b>Credit Hours</b>
<b>ENGR</b>	2305	Electrical Circuits I	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
MATH	2315	Calculus III or	
MATH	2320	Differential Equations	3
		Creative Arts <sup>3</sup> (C)	<u>3</u>
			12
Total Credit Hours			60

<sup>1</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>2</sup>Social and Behavioral Sciences: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>3</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

#### **Materials Engineering**

Associate of Science Degree (AS-MATE)

The Associate of Science degree in Materials Engineering prepares students for four-year institutions by introducing them to Computer-Aided Design (CAD), MATLAB, C++ skills, material properties, and their theories. By the completion of this program, students may be able to join the materials engineering industry at entry-level positions. Students are encouraged to transfer to a four-year institution after the completion of the AS in Materials Engineering.

For more information visit: epcc.edu/Academics/Engineering

First Semester			Credit Hours
EDUC	1300	Learning Framework (C)	3
ENGL	1301	Composition I(C)	3
ENGR	1304	Engineering Graphics I	3
HIST	1301	United States History I (C)	3
MATH	2413	Calculus I (C)	<u>4</u>
			16

Second	l Seme	ster Credit 1	Hours
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
MATH	2314	Calculus II (C)	3
PHYS	2325	University Physics I (Lecture) (C)	3
PHYS	2125	University Physics I (Lab)	1
		• • •	13

Third Semester (Summer)			Credit Hours
SPCH	1321	<b>Business &amp; Professional</b>	
		Communication (C)	3
		Creative Arts <sup>1</sup> (C)	<u>3</u>
			6

Fourth	Seme	ster Credit	Hours
CHEM	1311	General Chemistry I (Lecture) (C)	3
CHEM	1111	General Chemistry I (Lab)	1
<b>ENGR</b>	2301	Engineering Mechanics-Statics	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
MATH	2315	Calculus III	<u>3</u>
			13

Fifth S	emeste	er Credit H	lours
ENGR	2332	Mechanics of Materials	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
		Language, Philosophy, and Culture <sup>2</sup>	
		(C)	3
		Social and Behavioral Sciences <sup>3</sup> (C)	<u>3</u>
			12
Total Credit Hours			60

<sup>1</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

**Language, Philosophy, and Culture:** Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>3</sup>Social and Behavioral Sciences: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

#### **Mechanical Engineering**

Associate of Science Degree (AS-MECH)

The Associate of Science degree in Mechanical Engineering prepares students for four-year institutions by introducing them to Computer-Aided Design (CAD), MATLAB, C++ skills, statics, mechanics of materials, robotics and dynamics, and their theories. By the completion of this program, students may be able to join the mechanical engineering industry at entry-level positions. Students are encouraged to transfer to a four-year institution after the completion of the AS in Mechanical Engineering.

For more information visit: epcc.edu/Academics/Engineering

First Semester			<b>Credit Hours</b>
EDUC	1300	Learning Framework (C)	3
ENGL	1301	Composition I(C)	3
ENGR	1304	Engineering Graphics I	3
HIST	1301	United States History I(C)	3
MATH	2413	Calculus I (C)	<u>4</u>
			16

Second	l Seme	ster Credit	Hours
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
MATH	2314	Calculus II (C)	3
PHYS	2325	University Physics I (Lecture) (C)	3
PHYS	2125	University Physics I (Lab)	<u>1</u>
			13

Third S	Semest	<b>Credit Hours</b>	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Creative Arts <sup>1</sup> (C)	<u>3</u>
			4

Fourth	Seme	ster Credit 1	Hours
CHEM	1311	General Chemistry I (Lecture) (C)	3
CHEM	1111	General Chemistry I (Lab)	1
ENGR	2301	Engineering Mechanics-Statics	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
		Social and Behavioral Sciences <sup>2</sup> (C)	<u>3</u>
			13

Fifth S	emeste	er Credit I	Hours
<b>ENGR</b>	2302	Engineering Mechanics-Dynamics	3
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
		Language, Philosophy, and Culture <sup>3</sup>	
		(C)	3
		Engineering Elective <sup>4</sup>	<u>3</u>
			12

<sup>1</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

**Total Credit Hours** 

**2Social and Behavioral Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

<sup>3</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

Engineering Elective: Complete one course from ENGR 2305, 2332, or 2334.

#### **Geological Sciences**

Associate of Science Degree (AS-GEOL)

The Associate of Science Degree in Geology is a classroom and fieldwork-based program that prepares individuals for a variety of sub-fields in the discipline. Most career paths require a Bachelor's degree, while some require a graduate degree. The Associate degree prepares students for transfer to a four-year institution.

For more information visit: epcc.edu/Academics/Geology

First S	emeste	er C	redit Hours
<b>EDUC</b>	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I (C)	3
GEOL	1303	Physical Geology (Lecture)	(C) 3
GEOL	1103	Physical Geology (Lab)	1
HIST	1301	United States History I (C)	<u>3</u>
		• • •	13

Second	d Seme	ster Credit	Hours
<b>ENGL</b>	1302	Composition II (C)	3
GEOL	1304	Historical Geology (Lecture) (C)	3
GEOL	1104	Historical Geology (Lab)	1
HIST	1302	United States History II (C)	3
		Mathematics <sup>1</sup> (C)	<u>3</u>
			13

Third S	Semest	er (Summer)	Credit Hours
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professiona	1
		Communication (C)	3
		Language, Philosophy,	and Culture <sup>2</sup>
		(C)	3
		Mathematics <sup>1</sup> (C)	<u>4</u>
			10

Fourth	Seme	ster Credit I	Hours
CHEM	1311	General Chemistry I (Lecture) (C)	3
CHEM	1111	General Chemistry I (Lab)	1
ENVR	1301	Environmental Science I (Lecture)	3
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
		Creative Arts <sup>3</sup> (C)	<u>3</u>
			13

Fifth Semester Credit Ho					
ASTR	1304	Solar System (Lecture) (C)	3		
ASTR	1104	Solar System (Lab)	1		
GOVT	2306	Texas Government (Texas			
		Constitution & Topics) (C)	3		
		Social and Behavioral Sciences <sup>4</sup> (C)	3		
		Elective Option <sup>5</sup>	<u>1</u>		
		-	11		
Total Credit Hours					

Mathematics: Complete two courses from MATH 1314, 2314, 2412, or 2413.

<sup>4</sup>Social and Behavioral Sciences: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

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<sup>&</sup>lt;sup>2</sup>Language, Philosophy, & Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>&</sup>lt;sup>3</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

<sup>5</sup>Elective Option: Complete a one credit KINE course or any academic course. See the Course Descriptions section for courses with a "T." Courses may only apply once within the degree plan.

#### **Mathematics**

#### Associate of Science Degree (AS-MATH)

Mathematics is an essential component of science, technology, business, and the humanities. This program covers the first two years of the four-year Mathematics curriculum leading to a Bachelor's degree. Students who earn the Associate of Science in Mathematics may also be eligible for mid-level technical positions in business and industry careers. Science degrees (Associate of Science, Bachelor of Science, and Master of Science) are generally recommended for individuals interested in research-focused careers or advanced (graduate) studies; however, these options are not restricted to the Science degree.

For more information visit: epcc.edu/Academics/Mathematics

First S	emeste	<b>Credit Hours</b>	
EDUC	1300	Learning Framework (C)	3
ENGL	1301	Composition I (C)	3
HIST	1301	United States History I (C)	3
MATH	2412	Pre-Calculus Math (C) or	
MATH	2413	Calculus I (C)	<u>4</u>
			13

Second	l Seme	ster C	redit Hours
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
		Mathematics Elective <sup>1</sup>	3
		Life and Physical Sciences <sup>2</sup> (	(C) 3
		Life and Physical Sciences	
		Laboratory <sup>3</sup>	<u>1</u>
		•	13

Third S	Semest	Credit Hours	
SPCH	1315	Public Speaking (C) or	
SPCH	1321	<b>Business &amp; Professional</b>	
		Communication (C)	3
		Creative Arts <sup>4</sup> (C)	<u>3</u>
			6

Fourth	Seme	ster C	redit Hours
GOVT	2305	Federal Government (Federa	1
		Constitution & Topics) (C)	3
		Mathematics Elective <sup>1</sup>	3
		Mathematics Elective <sup>1</sup>	3
		Life and Physical Sciences <sup>2</sup> (	<b>C</b> ) 3
		Life and Physical Sciences	
		Laboratory <sup>3</sup>	<u>1</u>
		-	13

Fifth S	emeste	er Credit H	ours
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
		Mathematics Elective <sup>1</sup>	3
		Mathematics Elective <sup>1</sup>	3
		Language, Philosophy, and Culture <sup>5</sup>	
		(C)	3
		Social and Behavioral Sciences (C)	<u>3</u>
			15
Total Cre	dit Hour	rs	60

<sup>1</sup>Mathematics Electives: Complete five courses from MATH 2305, 2314, 2315, 2318, 2320, or 2413.

<sup>2</sup>Life and Physical Sciences: Complete two courses from BIOL 1306, 1307, 2401, 2402, 2404, CHEM 1311, 1312, GEOL 1303, 1304, PHYS 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

<sup>3</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

<sup>4</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

<sup>5</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>6</sup>Social and Behavior Sciences: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

#### Multidisciplinary Studies in Sciences

Associate of Science Degree (AS-ASMS)

The two year Associate of Science Degree in Multidisciplinary Studies in Sciences is a multidisciplinary Math and Science program that uses a critical thinking, problem-solving, and communication systems approach to develop skills and abilities necessary to succeed in higher education and in the job market. The AS Degree in Multidisciplinary Studies in Sciences program is designed especially for the students who want to increase analytical and critical thinking skills or who simply want to expand an overall base of knowledge in Math and Science.

For more information visit: epcc.edu/Academics/MultidisciplinaryStudies

First S	emeste	er Cr	edit Hours
EDUC	1300	Learning Framework (C)	3
ENGL	1301	Composition I (C)	3
HIST	1301	United States History I (C)	3
		Life and Physical Sciences <sup>1</sup> (C	3
		Life and Physical Sciences	
		Laboratory <sup>2</sup>	<u>1</u>
			13

Second	l Seme	ster C	Credit Hours	
ENGL	1302	Composition II (C)	3	
HIST	1302	United States History II (C)	3	
		Mathematics <sup>3</sup> (C)	3	
		Life and Physical Sciences <sup>1</sup> (	C) 3	
		Life and Physical Sciences		
		Laboratory <sup>2</sup>	<u>1</u>	
		•	13	

Third :	Semest	er (Summer) Cred	it Hours
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Language, Philosophy and Cultur	e <sup>4</sup>
		(C)	3
		Creative Arts <sup>5</sup> (C)	<u>3</u>
			0

**Total Credit Hours** 

Fourth	Semes	ster Credit H	lours
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
		Mathematics or	
		Life and Physical Sciences Elective <sup>6</sup>	3
		Mathematics or	
		Life and Physical Sciences Elective <sup>6</sup>	3
		Mathematics or	
		Life and Physical Sciences Elective <sup>6</sup>	<u>3</u>
			12

Fifth S	emeste	er Credit Ho	ours
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
		Mathematics or	
		Life and Physical Sciences Elective <sup>6</sup>	3
		Mathematics or	
		Life and Physical Sciences Elective <sup>6</sup>	3
		Mathematics or	
		Life and Physical Sciences Elective <sup>6</sup>	1
		Social and Behavioral Sciences (C)	<u>3</u>
			13

Life and Physical Sciences: Complete two courses from BIOL 1306, 1307, 2401, 2402, 2404, CHEM 1311, 1312, GEOL 1303, 1304, PHYS 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

<sup>2</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

<sup>3</sup>Mathematics: Complete one course from MATH 1314, 2314, 2412, or 2413.

<sup>4</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>5</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

#### <sup>6</sup>Mathematics or Life and Physical Sciences Electives:

Complete a total of 16 credit hours of Mathematics or Science courses. Courses may not be used more than once within the degree plan.

**Mathematics Courses:** MATH 1314, 2305, 2314, 2315, 2318, 2320, 2412, or 2413.

Science Courses: BIOL 1306 and 1106, 1307 and 1107, 1411, 1413, 2401, 2402, 2404, 2420, 2421, ENVR 1301, 1401, CHEM 1311 and 1111, 1312 and 1112, 2423, 2425, GEOL 1303 and 1103, 1304 and 1104, PHYS 2325 and 2125, or 2326 and 2126. 
Social and Behavioral Sciences: Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

#### **Physics**

60

#### Associate of Science Degree (AS-PHYS)

Physics is the foundation of modern science and if you have a passion for understanding how things work and enjoy scientific experiments and mathematics, then this is the major for you. Physics is the science concerned with investigating and understanding the basic laws of nature from the domains of the very small sub-atomic particles to the very large astronomical objects, and everything in between.

For more information visit: epcc.edu/Academics/Physics

First Ser	Credit Hours			
EDUC	1300	Learning Framework (C)	3	
ENGL	1301	Composition I(C)	3	
HIST	1301	United States History I (C)	3	
MATH	2413	Calculus I (C)	<u>4</u>	
			13	

Second	l Seme	ster Cre	dit Hours
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
MATH	2314	Calculus II (C)	3
PHYS	2325	University Physics I (Lecture) (	<b>C</b> ) 3
PHYS	2125	University Physics I (Lab)	<u>1</u>
			13

Third S	Semest	er (Summer) Credit	Hours
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Language, Philosophy, and Culture <sup>1</sup>	
		(C)	<u>3</u>
			9

Fourth	Seme	ster Credit 1	Hours
MATH	2315	Calculus III	3
PHYS	2326	University Physics II (Lecture) (C)	3
PHYS	2126	University Physics II (Lab)	1
		Creative Arts <sup>2</sup> (C)	3
		Physics Program Elective A <sup>3</sup>	<u>3</u>
			13

Fifth S	emeste	er Credit H	lours
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C)	3
MATH	2320	Differential Equations	3
		Physics Program Elective B <sup>3</sup>	3
		Social and Behavioral Sciences <sup>4</sup> (C)	<u>3</u>
			12
Total Credit Hours			

<sup>1</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>2</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

<sup>3</sup>Physics Program Electives: Complete a minimum of six credits from the following. Choose one course/pair from Physics Program Elective A and one course/pair from Physics Program Elective B.

**Physics Program Elective A:** BIOL 1306 and 1106, CHEM 1311 and 1111, GEOL 1303 and 1103, or ENGR 2301.

**Physics Program Elective B:** BIOL 1307 and 1107, CHEM 1312 and 1112, GEOL 1304 and 1104, or ENGR 2302.

**Social and Behavioral Sciences:** Complete one course from ECON 1301, 2301, 2302, PSYC 2301, 2306, 2314, SOCI 1301, 2301, or SPCH 1318.

#### **Psychology**

#### Associate of Science Degree (AS-PSYS)

Psychology is the scientific study of mental processes and behavior. The two-year Associate of Science in Psychology Degree prepares students to transfer directly into a Bachelor's of Science Degree program in Psychology at a four-year institution. The Associate of Science degree calls for higher level science and math courses than the Associate of Arts Degree. Science degrees (Associate of Science, Bachelor of Science, and Master of Science) are generally recommended for individuals interested in research-focused careers or advanced (graduate) studies; however, these options are not restricted to the Science degree.

For more information visit: epcc.edu/Academics/Psychology

First S	emeste	<b>Credit Hours</b>	
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I(C)	3
HIST	1301	United States History I (C)	3
PSYC	2301	General Psychology (CF)	3
		Mathematics <sup>1</sup> (C)	<u>3</u>
			15

Second	d Seme	ster Credit Ho	ours
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
PSYC	2317	Statistical Methods in Psychology (F)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Life and Physical Sciences <sup>2</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>3</sup>	1
			16

Third Semester (Summer)	Credit Hours
Psychology Elective <sup>4</sup>	3
Language, Philosophy,	and Culture <sup>5</sup>
(C)	<u>3</u>
	6

Fourth	Seme	ster C	redit Hours
GOVT	2305	Federal Government (Federal	
		Constitution & Topics) (C)	3
		Life and Physical Sciences <sup>2</sup>	<b>C</b> ) 3
		Life and Physical Sciences	
		Laboratory <sup>3</sup>	1
		Psychology Elective <sup>4</sup>	3
		Psychology Elective <sup>4</sup>	3
		Creative Arts <sup>6</sup> (C)	<u>3</u>
			16

Fifth Semester		<b>Credit Hours</b>	
GOVT	2306	Texas Government (Texas	
		Constitution & Topics) (C	3
		Psychology Elective <sup>4</sup>	3
		Elective Option <sup>7</sup>	<u>1</u>
			7
Total Cro	edit Hom	•\$	60

<sup>1</sup>Mathematics: Complete MATH 2413 (preferred) or one course from MATH 1314, 2314, or 2412.

**Life and Physical Sciences:** Complete two courses from BIOL 1306, 1307, 2401, 2402, 2404, CHEM 1311, 1312, GEOL 1303, 1304, PHYS 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

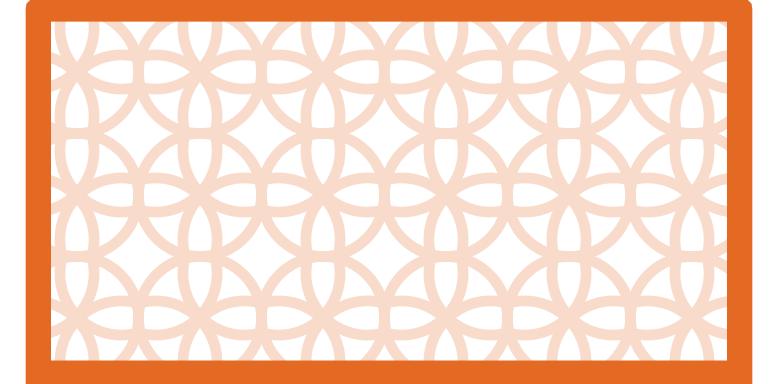
<sup>3</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

Psychology Electives: Complete four courses from PSYC 2306, 2314, 2315, 2316, 2319, 2320, or 2330. Students pursuing the Psychology Field of Study should select PSYC 2314, 2319, 2320, and 2330 as their elective options.

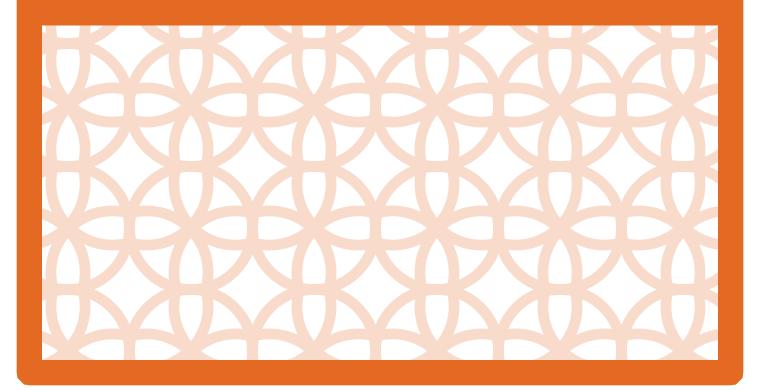
<sup>5</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>6</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

**Telective Option:** Complete one course from PSYC 2306, 2314, 2315, 2316, 2319, 2320, 2330, or complete any academic course. See the Course Descriptions section for courses with a "T." Courses may not be used more than once within the degree plan.



# Social & Behavioral Sciences



## Social & Behavioral Sciences

#### **Psychology**

Associate of Arts Degree (AA-PSYC)

Psychology is the scientific study of mental processes and behavior. The two-year Associate of Arts Degree in Psychology prepares students to transfer directly into a Bachelor of Arts Degree program in Psychology at a four-year institution. Students are responsible for completing all prerequisite course(s) within the program. Arts degrees (Associate of Arts, Bachelor of Arts, and Master of Arts) are generally recommended for individuals interested in theoretical applications or service-focused careers; however, these options are not restricted to the Arts degree.

For more information visit: epcc.edu/Academics/Psychology

First Semester		<b>Credit Hours</b>	
EDUC	1300	Learning Framework (C)	3
<b>ENGL</b>	1301	Composition I(C)	3
HIST	1301	United States History I(C)	3
PSYC	2301	General Psychology (CF)	3
		Mathematics <sup>1</sup> (C)	<u>3</u>
			15

Second	d Seme	ster Credit H	ours
ENGL	1302	Composition II (C)	3
HIST	1302	United States History II (C)	3
PSYC	2317	Statistical Methods in Psychology (F)	3
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Life and Physical Sciences <sup>2</sup> (C)	3
		Life and Physical Sciences	
		Laboratory <sup>3</sup>	<u>1</u>
		•	16

Third Semester (Summer) Credit	Hours
Psychology Elective <sup>4</sup>	3
Language, Philosophy, and Culture <sup>5</sup>	
(C)	<u>3</u>
	6

Fourth	Seme	ster C	redit Hours
GOVT	2305	Federal Government (Federa	1
		Constitution & Topics) (C)	3
		Life and Physical Sciences <sup>2</sup> (	<b>C</b> ) 3
		Life and Physical Sciences	
		Laboratory <sup>3</sup>	1
		Psychology Elective <sup>4</sup>	3
		Psychology Elective <sup>4</sup>	3
		Creative Arts <sup>6</sup> (C)	<u>3</u>
			16

Fifth Semester		<b>Credit Hours</b>	
GOVT	2306	Texas Government (Texas	<b>,</b>
		Constitution & Topics) (C	) 3
		Psychology Elective <sup>4</sup>	3
		Elective Option <sup>7</sup>	1
		•	7
Total Cro	edit Hom	rs	60

<sup>1</sup>Mathematics: Complete one course from MATH 1314, 1324, 2314, 2412, or 2413.

<sup>2</sup>Life and Physical Sciences: Complete two courses from ASTR 1303, 1304, BIOL 1306, 1307, 1308, 1309, 2401, 2402, 2404, CHEM 1306, 1307, 1311, 1312, GEOL 1301, 1302, 1303, 1304, PHYS 1301, 1302, 1315, 2325, or 2326. Students must complete two laboratory science courses that pair with the two lecture science courses. BIOL 2401, 2402, and 2404 combine both lecture and laboratory components, one credit hour from each course will be counted towards the laboratory science requirement.

<sup>3</sup>Life and Physical Sciences Laboratory: Complete two lab science courses that pair with the selected Life & Physical Sciences Core Curriculum courses. One credit hour for each lab will be counted in the discipline degree requirements for a total of two credit hours.

Psychology Electives: Complete four courses from PSYC 2306, 2314, 2315, 2316, 2319, 2320, or 2330. Students pursuing the Psychology Field of Study should select PSYC 2314, 2319, 2320, and 2330 as their Psychology Electives.

<sup>5</sup>Language, Philosophy, and Culture: Complete one course from ARCH 1301, ARTS 1303, 1304, COMM 1307, ENGL 2322, 2323, 2332, 2333, 2341, 2351, HIST 2321, 2322, PHIL 1301, 2303, 2306, SPAN 2311, 2313, or 2315.

<sup>6</sup>Creative Arts: Complete one course from ARTS 1301, COMM 2366, DANC 2303, DRAM 1310, MUSI 1306, or 1310.

**Telective Option:** Complete one course from PSYC 2306, 2314, 2315, 2316, 2319, 2320, 2330, or complete any academic course. See the Course Descriptions section for courses with a "**T**." Courses may not be used more than once within the degree plan.

## Sign Language/Interpreter Preparation

Associate of Applied Science Degree (AAS-SLNG)

The Associate of Applied Science Degree in Sign Language/Interpreter Preparation prepares individuals for entry-level employment working with Deaf and hard-of-hearing individuals. Students are trained to serve as interpreters or communication support persons for Deaf and hard-of-hearing people in a number of settings. Strong language and cognitive abilities are required. The capstone course for the AAS Degree is SLNG 2331, Interpreting III, which prepares students to apply acquired skills to the state level and/or national certification processes.

For more information visit: epcc.edu/Academics/SignLanguage

First S	emeste	er (Summer) Credit 1	Hours
SLNG	1404	American Sign Language (ASL) I	
		(Summer I)	4
SLNG	1405	American Sign Language (ASL) II	
		(Summer II)	<u>4</u>
			8

Second	d Seme	ster Credit H	ours
ENGL	1301	Composition I (C)	3
SLNG	1317	Introduction to the Deaf Community	3
SLNG	1344	American Sign Language (ASL) III	3
		Social and Behavioral Sciences	
		Elective <sup>1</sup> (C) (SBS)	<u>3</u>
			12

Third S	Semest	er Credit H	ours
SLNG	1321	Introduction to the Interpreting	
		Profession	3
SLNG	1345	American Sign Language (ASL) IV	3
SLNG	1347	Deaf Culture	3
SPCH	1315	Public Speaking (C)	3
		Humanities or Fine Arts Elective <sup>2</sup> (C)	
		(HFA)	3
			15

Fourth	Fourth Semester (Summer) SLNG 2301 Interpreting I		Credit Hours
SLNG	2301	Interpreting I	<u>3</u>
			3

Fifth S	emeste	er Credit Ho	urs
SLNG	1248	Vocabulary Development for	
		Interpreters	2
SLNG	2280	Cooperative Education-Sign Language	
		Interpretation and Translation I	2
SLNG	2302	Interpreting II	3
SLNG	2315	Interpreting in Educational Settings	3
		Mathematics Elective <sup>3</sup> (C) (MNS)	<u>3</u>
			13

Sixth S	Semest	er Credit H	Iours
SLNG	1350	Sign-To-Voice	3
SLNG	2281	Cooperative Education-Sign	
		Language Interpretation and	
		Translation II	2
SLNG	2311	Interpreting in Specialized Settings	3
SLNG	2331	Interpreting III	3
SLNG	2337	Multicultural Issues in Interpreting	<u>3</u>
			14

<sup>&</sup>lt;sup>1</sup>Social and Behavioral Sciences Elective: Complete one course from GOVT 2305, 2306, PSYC 2301, or SOCI 1301.

#### American Sign Language - Deaf Studies Certificate

Certificate of Completion (C1-SLNC)

**Total Credit Hours** 

The Certificate of Completion in American Sign Language - Deaf Studies prepares students to communicate directly with Deaf and hard-of-hearing persons in a range of conversational environments. The capstone course for this Certificate of Completion is SLNG 1345, American Sign Language (ASL) IV.

For more information visit: epcc.edu/Academics/SignLanguage

First S	emeste	er (Summer)	<b>Credit Hours</b>
SLNG	1404	American Sign Language	(ASL) I
		(Summer I)	4
SLNG	1405	American Sign Language	(ASL) II
		(Summer II)	<u>4</u>
			8

Second	l Seme	ster Credit H	ours
SLNG	1317	Introduction to the Deaf Community	3
SLNG	1344	American Sign Language (ASL) III	<u>3</u>
			6

Third Semester		er Credit H	ours
SLNG	1345	American Sign Language (ASL) IV	3
SLNG	1347	Deaf Culture	<u>3</u>
Total Cr	Total Credit Hours		

#### **Social Work**

Associate of Applied Science Degree (AAS-SCWK)

The Associate of Applied Science Degree in Social Work prepares individuals interested in working with people to obtain entry-level employment in the Social Work field. Social Work students are sensitive and caring people who, as a result of enrollment in the Social Work Program, are equipped with the necessary skills, knowledge, and attitudes to effectively serve people in need in a variety of community and social service agencies. During the second year of the program, students enroll in two semesters of internship and are placed at social service agencies consistent with their area of interest. Admission to internships require student completion of the first year curriculum in Social Work and approval of Social Work faculty. Internship courses involve working a minimum of 15 hours per week at a social service agency and attending a weekly one-hour seminar class.

Completion of the three DAAC courses in addition to the AAS degree will meet the state of Texas education and practicum requirements to test for the Licensed Chemical Dependence Counselor (LCDC) credential. These courses are also offered in the Social Work-Drug/Alcohol Abuse Counseling Certificate Program. Individuals that are already licensed as an LCDC may complete the DAAC courses for continuing education hours in order to renew their LCDC license. Licensure in the field of Social Work in the State of Texas requires a minimum of a Bachelor's Degree in Social Work from an accredited Social Work Program. The capstone course for the AAS Degree in Social Work is SCWK 2487, Internship-Social Work II.

For more information visit: epcc.edu/Academics/SocialWork

First Sc	emeste	r Credit Ho	urs
ENGL	1301	Composition I (C)	3
PSYC	2301	General Psychology (C) (SBS)	3
SCWK	2307	Human Behavior and the Social	
		Environment I	3
SCWK	2311	Interviewing and Counseling Theories	3
SOCW	2361	Introduction to Social Work	<u>3</u>
			15

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<sup>&</sup>lt;sup>2</sup>Humanities or Fine Arts Elective: Complete one course from ENGL 2322, 2323, 2332, 2333, PHIL 1301, or 2306.

<sup>&</sup>lt;sup>3</sup>Mathematics Elective: Complete one course from MATH 1314, 1324, or 1332.

Second	l Seme	ster Credit H	lours
SCWK	1305	Group Work Intervention	3
SCWK	2301	Assessment and Case Management	3
SCWK	2372	Human Behavior and the Social	
		Environment II	3
SOCI	1301	Introduction to Sociology (C) (SBS)	3
SOCW	2362	Social Welfare: Legislation,	
		Programs, and Services	3
		-	15

Third S	Semest	er C	redit Hours
CMSW	1353	Family Intervention Strategic	es 3
SCWK	2331	Abnormal Behavior	3
SCWK	2486	Internship-Social Work I	4
SPCH	1315	Public Speaking (C) or	
SPCH	1321	Business & Professional	
		Communication (C)	3
		Open Elective <sup>1</sup>	1
		-	14

Fourth	Seme	ster Credit Ho	urs
CMSW	1309	Problems of Children and Adolescents	3
MATH	1324	Mathematics for Business & Social	
		Sciences (C) (MNS) or	
MATH	1332	Contemporary Mathematics	
		(Quantitative Reasoning) (C) (MNS)	3
SCWK	1370	Social Work Practice and Services to	
		Special Populations	3
SCWK	2487	Internship-Social Work II	4
		Humanities or Fine Arts Elective <sup>2</sup> (C)	
		(HFA)	<u>3</u>
			16

<sup>&</sup>lt;sup>1</sup>Open Elective: Complete any college-level course. Courses may not be used more than once within the degree plan.

#### Drug/Alcohol Abuse Counseling Certificate

Certificate of Completion (C1-DAAC)

**Total Credit Hours** 

The Certificate of Completion in Drug/Alcohol Abuse Counseling prepares individuals to work with substance abusers in a variety of settings, including outpatient, inpatient, and rehabilitation programs. The curriculum encompasses two semesters; during the second semester, students enroll in internships and are placed with substance abuse agencies consistent with their area of interest. Admission to internships require students complete the first semester curriculum in Drug/Alcohol Abuse Counseling and approval from the Social Work faculty. Internship courses require students to work a minimum of 15 hours/week at substance abuse agencies and attend weekly one-hour seminar classes.

The Certificate of Completion in Drug/Alcohol Abuse Counseling is a combination of coursework and hands-on experience through the internship course to prepare students for entry-level positions in the substance abuse field.

Completion of this Certificate prepares students for licensure as Licensed Chemical Dependency Counselors in the State of Texas. These requirements include required coursework, a 300-hour Practicum (Internship), work experience hours at a drug/alcohol abuse agency, and passing the written exam given by the state agency that administers the LCDC license. Students completing this

Certificate will be eligible to receive licensure as Counselor Interns prior to completing all of the requirements for the LCDC license. Students should contact the appropriate state agency for current information about licensure as LCDC. The capstone course for the Certificate of Completion in Drug/Alcohol Abuse Counseling is SCWK 2487, Internship-Social Work II.

For more information visit: epcc.edu/Academics/SocialWork

First S	emeste	er Credit Ho	ours
DAAC	1319	Substance Related and Addictive	
		Disorders	3
DAAC	2343	Current Issues	3
SCWK	2311	Interviewing and Counseling Theories	3
SCWK	2331	Abnormal Behavior	3
SOCW	2361	Introduction to Social Work	<u>3</u>
			15
Second Semester Credit Hours			

Second	l Seme	ster Credit Ho	urs
CMSW	1309	Problems of Children and Adolescents	3
DAAC	2341	Counseling Alcohol and Other Drug	
		Addictions	3
SCWK	1305	Group Work Intervention	3
SCWK	2301	Assessment and Case Management	3
SCWK	2487	Internship-Social Work II	4
			16
Total Cre	edit Hou	rs	31

60

<sup>&</sup>lt;sup>2</sup>Humanities or Fine Arts Elective: Complete one course from ARTS 1301, DRAM 1310, or MUSI 1306.

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## CONTINUING EDUCATION

#### **Basic Peace Officer Certification**

#### Certificate of Completion (CE-CJLE)

The Texas Peace Officer Certification is divided into five training phases. The entire program is 768 classroom (contact) hours and exceeds the state minimum standard. Successful completion of this program will enable the student to sit for the State Licensing Examination, required for all Texas peace officers.

In-service training covers the state mandated training requirements and includes specialized training programs as determined by local agency needs. To help fulfill local training needs, the Training Academy facility consists of a state-of-the-art, 20-point indoor shooting range. The Academy also utilizes the Advanced Interactive-shooting System (A.I.S.) that challenges law enforcement.

 $For more information \ visit: epcc.edu/Academics/Continuing Education$ 

Required Courses		<b>Contact Hours</b>	
CJLE	1006	Basic Peace Officer I	176
CJLE	1012	Basic Peace Officer II	176
CJLE	1018	Basic Peace Officer III	176
CJLE	1024	Basic Peace Officer IV	176
CJLE	1029	Basic Peace Officer V	<u>64</u>
Total Certificate Hours			768

#### Nail Technology Certification

#### Certificate of Completion (CE-NAIL)

This 624-hour program prepares individuals to join one of the fastest areas of growth in the cosmetology industry – nail care.

The program emphasizes specialized training in safety, sanitation, state laws, rules and regulations, nail diseases and disorders, skin and nail care, and work ethics. The curriculum meets the Texas Department of Licensing and Regulation guides for cosmetology. The capstone course is CSME 2051, Preparation for the State Licensing Written Examination.

For more information visit: epcc.edu/Academics/ContinuingEducation

Required Courses		ırses Contact F	Iours
CSME	1030	Orientation to Nail Technology	160
CSME	1031	Principles of Nail Technology I	112
CSME	1043	Manicuring and Related Theory	160
CSME	2030	Nail Enhancement	140
CSME	2051	Preparation for the State Licensing	
		Practical Examination	<u>52</u>
Total Certificate Hours			624

#### **Massage Therapy Certification**

#### Certificate of Completion (CE-MSSG)

The 525-hour continuing education Massage Therapy Certificate Program prepares individuals to successfully qualify for national certification and licensure through the Texas Department of Licensing and Regulation. The Program is in the massage suite at the Administrative Services Center, 'B' Building, located at 9050 Viscount. The massage suite is a state-of-the-art facility, with classrooms and internship and spa facilities. Students learn advanced techniques such as sports, prenatal, and spa massage. The courses emphasize professionalism and safe practice.

#### **Admission Program Requirements:**

- High School diploma or GED.
- Reading level of 10th grade or above.
- Current CPR license.
- Current First Aid Certification.
- Orientation.

For more information visit: epcc.edu/Academics/ContinuingEducation

Requir	ed Cou	irses Contact H	lours
MSSG	1005	Hydrotherapy/Therapeutic	
		Modalities	20
MSSG	1007	<b>Business Practices &amp; Professional</b>	
		Ethics	45
MSSG	1009	Health and Hygiene	20
MSSG	1011	Massage Therapy Fundamentals I	125
MSSG	1013	Anatomy & Physiology for Massage	75
MSSG	2011	Massage Therapy Fundamentals II	75
MSSG	2013	Kinesiology for Massage	50
MSSG	2014	Pathology for Massage	40
MSSG	2086	Internship-Massage Therapy/	
		Therapeutic Massage	<u>75</u>
Total Cer	rtificate I	Hours	525

## **Continuing Education Course Descriptions**

#### CJLE Basic Peace Officer I Hours 1006 176

Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer II, III, IV, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Training Academy. \*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS LICENSED AS A POLICE ACADEMY BY Texas Commission on Law Enforcement.\*\*\*

#### CJLE Basic Peace Officer II Hours 1012 176

Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer I, III, IV, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Academy. \*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS LICENSED AS A POLICE ACADEMY BY Texas Commission on Law Enforcement.\*\*\*

#### CJLE Basic Peace Officer III Hours 1018 176

Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer I, II, IV, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Academy.

\*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS LICENSED AS A POLICE ACADEMY BY Texas Commission on Law Enforcement.\*\*\*

#### CJLE Basic Peace Officer IV Hours 1024 176

Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer I, II, III, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Training Academy. \*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS LICENSED AS A POLICE ACADEMY BY Texas Commission on Law Enforcement.\*\*\*

#### CJLE Basic Peace Officer V Hours 1029 64

Supplemental course taken in conjunction with Basic Peace Officer Courses I, II, III, and IV. Satisfies or exceeds the Texas Commission on Law Enforcement approved Basic Peace Officer Academy Course #1000. \*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS LICENSED AS A POLICE ACADEMY BY Texas Commission on Law Enforcement.\*\*\*

#### CSME Orientation to Nail Hours 1030 Technology 160

An overview of the fundamental skills and knowledge necessary for the field of nail technology.

#### CSME Principles of Nail Hours 1031 Technology I 112

A course in the principles of nail technology. Topics include anatomy, physiology, theory, and skills related to nail technology.

#### CSME Manicuring and Hours 1043 Related Theory 160

Presentation of the theory and practice of nail services. Topics include terminology, application, and workplace competencies related to nail services.

#### CSME Nail Enhancement Hours 2030 140

A course in the theory, application, and related technology of nail enhancements.

## CSME Preparation for the State Hours 2051 Licensing Practical 52 Examination

Preparation for the state licensing practical examination.

#### MSSG Hydrotherapy/ Hours 1005 Therapeutic Modalities 20

The use of accepted hydrotherapy and holistic healthcare modalities of external application of temperature for its reflexive effect.

#### MSSG Business Practices Hours 1007 & Professional Ethics 45

The study of physical and financial office practices and marketing. Includes ethical practices for massage therapists as established by law or regulatory agency.

## MSSG Health & Hygiene Hours 1009 20

The study of safety and sanitation practices including universal precautions. The importance of proper body mechanics, maintaining a healthy lifestyle, maintaining the massage environment, and the advantage of therapeutic relationships is also included.

#### MSSG Massage Therapy Hours 1011 Fundamentals I 125

Introduction to the theory and the application of skills necessary to perform basic massage skills.

#### MSSG Anatomy & Physiology Hours 1013 for Massage 75

In-depth coverage of the structure and function of the human body. Includes cell structure and function, tissues, body organization, and the integumentary, skeletal, muscular, nervous, and endocrine systems. Emphasizes homeostasis/wellness care. Meets the minimum 75-contacthour requirement for Anatomy and Physiology for licensure.

#### MSSG Massage Therapy Hours 2011 Fundamentals II 75

A continuation of Massage Therapy Fundamentals I. Emphasizes specialized techniques and assessment of client needs to identify a specific plan of care. Completes the requirements for Massage Techniques for licensure.

#### MSSG Kinesiology Hours 2013 for Massage 50

Applied study of human kinesiology. Muscle movements and dysfunctions will be discussed and palpated. Includes theory and practice of functional muscle testing.

#### MSSG Pathology Hours 2014 for Massage 40

General discussion of pathologies as they relate to massage therapy. Includes universal precautions and their management in professional practice. Also covers etiology, signs, symptoms, and the physiological and psychological reactions to disease and injury.

MSSG	Internship-Massage	Hours
2086	Therapy/Therapeutic	75
	Massage	

A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer.

Credit Courses 2023-2024

#### **Credit Courses**

#### **Course Entry Requirements**

The Texas State Legislature mandates that institutions assess all entering undergraduate students for readiness to enroll into college-level course work for mathematics, writing, and reading. All first-time students at EPCC are required to take assessment tests, unless exempted by transfer coursework from a previous college/university or National Examinations in mathematics, writing, and reading prior to enrollment. Students must meet proficiency (or exemption) requirements of all courses. For more information about course requirements and prerequisites, see an academic counselor or the following course descriptions. For more information about the Texas Success Initiative Assessment, Version 2.0 (TSIA2), see the Admissions & Registration – Testing Services section of this catalog.

#### **Course Types**

The following course types are indicated at the end of each course description:

**T** — Transferable Credit in Texas (Lower-Division Academic Courses): Approved courses by the Texas Higher Education Coordinating Board for transfer among Texas community colleges and state public universities as freshman and sophomore courses. There is no guarantee, however, that a course which is "transferable" will apply to a specific major or degree at a four-year college or university. Check with the four-year institution for transferability and applicability.

W — Workforce Education Courses (Lower-Division Technical Courses): Designated by the Texas Higher Education Coordinating Board as workforce education (technical) courses offered for credit. By design, the Workforce Education Course Manual (WECM) enhances the portability and transfer of credits and credentials between colleges and provides access to statewide workforce education. These courses are not designed to automatically transfer to public four-year colleges and universities. Check with the four-year institution for transferability and applicability.

#### **Course Numbering System**

EPCC has adopted the Texas Common Course Numbering System (TCCNS), which promotes the identification of transfer coursework among colleges and universities. The TCCNS consists of a uniform set of four-character abbreviations for academic disciplines (rubric or prefix) and four-digit course numbers (example: ENGL 1301). The first digit of the number reflects the academic level of the course (1 for freshman, 2 for sophomore). The second number reflects the semester credit hour value of the course. The third and fourth digits represent the sequence of the course. Developmental courses have also adopted the four-character rubric (example: MATH 0404) but are not transferable and therefore not part of the Texas Common Course Numbering System.

The letters that may follow the course title indicate the requirement that course fulfills for either an Associate of Arts (AA), Associate of Arts in Teaching (AAT), Associate of

Science (AS), or Associate of Applied Science (AAS). These figures are as follows:

[C] — Texas Core Curriculum Courses: Completion of the Texas Core Curriculum is required for students pursuing an AA, AAT, or AS. The Core Curriculum consists of 42 semester credit hours that are designated within nine components (blocks). By completing these courses, students will achieve college-level competence in general education skills of reading, writing, speaking, using technology, and critical thinking. The Core Curriculum facilitates transfer of lower-division academic courses among Texas public colleges and universities. Refer to the Core Curriculum section of this catalog to see the listing of applicable courses.

**[F]** — **Field of Study Courses:** A set of courses that will satisfy the lower-division requirements for a baccalaureate degree in a specific academic area at any public university within the state of Texas. See the Field of Study section of this catalog to learn more about specific academic areas with a Field of Study.

[CF] — Core and Field of Study Courses: These courses can fulfill both a Core Curriculum component and part of a Field of Study.

General Education Courses: Each Associate of Applied Science degree plan contains at least 15 hours of General Education courses to ensure a broad-based education. The General Education courses are selected from the Texas Core Curriculum for smooth and seamless transfer between and among Texas higher education institutions.

**Developmental Courses:** In keeping with the state-mandated Texas Success Initiative (TSI), students who do not test into college-level coursework will have to enroll in developmental course(s). Developmental education prepares students for college-level courses in reading, writing, and mathematics. Developmental courses do not count toward graduation and do not fulfill any degree requirements at EPCC.

Non-Course Based Instruction Courses: El Paso Community College offers non-course based instruction (NCBI) in developmental education for Mathematics (prefix NCBM) and Reading/Writing (prefix INRW). These developmental education activities prepare students for college-level courses. NCBIs include interventions that use innovative learning approaches that, compared to lecture only classes, more effectively and efficiently prepare students for college-level work. NCBIs target students who miss placing into college-level work by a few points. NCBIs are a mandatory instructional component for certain courses, advised by counselors and advisors as appropriate.

English as a Second Language Courses: The English as a Second Language (ESOL) sequence of courses includes listening, speaking, reading, and writing. The courses offer non-native English speakers essential English language training as a pathway for college readiness. The courses include lab activities to reinforce classwork. Students interested in ESOL courses are required to take the ACCUPLACER ESL and will enter at levels determined by the results.

2023-2024 Credit Courses

Other Helpful Information: Each course title in the Course Description section is followed by the number of semester credit hours (example: Credits 3 or Credits 4). At the end of each course description, within bold print, are prerequisite and/or co-requisite requirements and assessment testing (if applicable). Within bold parenthesis are the number of lecture hours each week and the number of laboratory or external learning hours each week [example: (3:3)]. Lastly, each description ends with the discipline the course is classified under, in italicized print.

Courses that are pending the approval of an accompanying program are indicated by a "\*" at the beginning of their titles. These courses may not be offered until the program receives the appropriate approvals from a state or national agency.

Credit Courses 2023-2024

## Courses Prefix Information

#### **Academic Courses**

Will transfer to baccalaureate programs. Check with EPCC Counselors or Advisors.

Prefix	Academic Course Subject
ACCT	Accounting
ARCH	Architecture
ARTS	Arts
ASTR	Astronomy
BCIS	Business Management
BIOL	Biological Sciences
BUSI	Business Management
CHEM	Chemistry
COMM	Mass Communication
COSC	Computer Science
CRIJ	Criminal Justice
DANC	Dance
DRAM	Theater
ECON	Economics
EDUC	Educational Psychology/Teacher Preparation
ENGL	English
ENGR	Engineering
ENVR	Biological Sciences/Geological Sciences
FREN	French
GEOL	Geological Sciences
GERM	German
GOVT	Government
HECO	Health Services
HIST	History
HUMA	Art/Chicanx Studies
KINE	Kinesiology
MATH	Mathematics
MUAP	Music
MUEN	Music
MUSI	Music
PHIL	Philosophy
PHYS	Physics
PSYC	Psychology
SOCI	Sociology
SOCW	Social Work
SPAN	Spanish
SPCH	Speech Communication
TECA	Teacher Preparation

#### **Accelerated & Readiness Courses**

Developmental courses are not transferable to baccalaureate programs. Check with EPCC Counselors or Advisors.

Prefix	Accelerated & Readiness Course Subject
INRW	Reading & Writing
ESOL	English as a Second Language
MATH/ NCBM	Mathematics

#### **Career & Technical Education Courses**

May or may not transfer to baccalaureate programs. Check with EPCC Counselors or Advisors.

Check with	EPCC Counselors or Advisors.
Prefix	Career & Technical Course Subject
ACNT	Accounting
ARCE	Computer Aided Design
ARTC	Advertising Graphics and Design
ARTV	Advertising Graphics and Design
AUMT	Automotive Technology
BMGT	Business Management/Industrial Manufacturing
BUSG	Business Management
CDEC	Child Development
CETT	Industrial Manufacturing/Renewable Energy
	Tech Systems
CHEF	Culinary Arts and Related Sciences
CJCR	Criminal Justice
CMSW	Social Work
CNBT	Renewable Energy Technology Systems
CRTR	Court Reporting
CSME	Cosmetology
DAAC	Social Work
DEMR	Diesel Technology
DFTG	Computer Aided Design/Industrial
	Manufacturing/Machining Tech
DHYG	Dental Hygiene
DMSO	Diagnostic Medical Sonography
DNTA	Dental Assisting
DSAE	Echocardiography (Adult)
DSVT	Diagnostic Medical Sonography
ECRD	Medical Assisting Technology
EEIR	Renewable Energy Technology Systems
ELMT	Industrial Manufacturing/Renewable Energy
EL DE	Tech Systems
ELPT	Electrical Technology/Renewable Energy Tech
EL ENI	Systems
ELTN	Electrical Technology
EMSP	Emergency Medical Services
ENTC	Electrical Technology
EPCT	Renewable Energy Technology Systems
FCEL	Renewable Energy Technology Systems Fire Technology
FIRS	2,
FIRT FSHD	Fire Technology Fashion Technology
FSHN	Fashion Technology
HAMG	Hotel Operations
HART	Heating, Ventilation and Air Conditioning/
IIAKI	Renewable Energy Tech Systems
HITT	Health Information Management
HMSY	Criminal Justice
HPRS	Health Services/Biological Sciences
HRPO	Business Management
HYDR	Industrial Manufacturing
IBUS	Business Management
INDS	Interior Design Technology
INMT	Industrial Manufacturing/Machining Tech
INSR	Business Management
ITCC	Information Technology Systems
ITNW	Information Technology Systems
ITSC	Information Technology Systems
ITSE	Information Technology Systems

2023-2024 Credit Courses

ITSW	Information Technology Systems
ITSY	Information Technology Systems
LGLA	Paralegal
MCHN	Machining Technology
MDCA	Medical Assisting Technology
MLAB	Medical Laboratory Technology
MRKG	Business Management
MRMT	Health Information Management
MUSC	Music
OSHT	Renewable Energy Technology Systems
TPHRA	Pharmacy Technology
PLTC	Industrial Manufacturing/Machining Tech
POFI	Business Management
POFT	Business Management
PSTR	Culinary Arts and Related Sciences
PTHA	Physical Therapist Assistant
QCTC	Industrial Manufacturing
RADR	Medical Imaging Technology-Radiography
RBPT	Renewable Energy Technology Systems
RBTC	Industrial Manufacturing
RELE	Business Management
RETS	Renewable Energy Technology Systems
RNSG	Nursing
RSPT	Respiratory Care Technology
RSTO	Culinary Arts and Related Sciences
SCIT	Health Information Management
SCWK	Social Work
SLNG	Sign Language/Interpreter Preparation
SMFT	Industrial Manufacturing
SRGT	Surgical Technology
TRVM	Travel and Tourism
VNSG	Vocational Nursing
WLDG	Welding

## Courses with a T Symbol

#### Transfer/Lower-Division Academic Courses:

Approved courses by the Texas Higher Education Coordinating Board for transfer among Texas community colleges and state public universities as freshman and sophomore general education courses. There is no guarantee, however, that a course which is "transfer" will apply to a specific major or degree at a four-year college or university. Check with the four-year institution for transferability.

Accounting	
ACCT 2301	Principles of Financial Accounting
ACCT 2302	Principles of Managerial Accounting
Architecture	
ARCH 1301	Architectural History I
ARCH 1302	Architectural History II
ARCH 1303	Architectural Design I
ARCH 1304	Architectural Design II

ARCH 1307	Architectural Graphics I
ARCH 1308	Architectural Graphics II
ARCH 1311	Introduction to Architecture
ARCH 1315	Architectural Computer Graphics
ARCH 2301	Architectural Freehand Drawing I
ARCH 2302	Architectural Freehand Drawing II
ARCH 2312	Architectural Technology
ARCH 2603	Architectural Design III
ARCH 2604	Architectural Design IV
Art	Attendectural Design IV
	Art Armanaistica
ARTS 1301	Art Appreciation
ARTS 1303	Art History I (Prehistoric to the 14 <sup>th</sup>
A D.T.C. 1204	Century)
ARTS 1304	Art History II (14th Century to the
A D.T.C. 1211	Present)
ARTS 1311	Design I (2-Dimensional)
ARTS 1312	Design II (3-Dimensional)
ARTS 1316	Drawing I
ARTS 1317	Drawing II
ARTS 2316	Painting I
ARTS 2317	Painting II
ARTS 2323	Life Drawing
ARTS 2326	Sculpture
ARTS 2333	Printmaking
ARTS 2341	Metals
ARTS 2346	Ceramics I
ARTS 2347	Ceramics II
ARTS 2348	Digital Media
ARTS 2356	Photography I (Fine Arts Emphasis)
ARTS 2357	Photography II (Fine Arts Emphasis)
Astronomy	Ctana and Calania (Lab)
ASTR 1103	Stars and Galaxies (Lab)
ASTR 1104 ASTR 1303	Solar System (Lab) Stars and Galaxies (Lecture)
ASTR 1303 ASTR 1304	Solar System (Lecture)
Business Ma	
BCIS 1305	Business Computer Applications
BUSI 1301	Business Principles
BUSI 2305	Business Statistics
Biology	Dusiness Statistics
BIOL 1106	Dialogy for Coionas Maiors I (Lab)
BIOL 1106 BIOL 1107	Biology for Science Majors I (Lab) Biology for Science Majors II (Lab)
BIOL 1108	Biology for Non-Science Majors I (Lab)
BIOL 1109	Biology for Non-Science Majors II
DIOL 1107	(Lab)
BIOL 1306	Biology for Science Majors I (Lecture)
BIOL 1307	Biology for Science Majors II
DIOL 1307	(Lecture)
BIOL 1308	Biology for Non-Science Majors I
DIOL 1500	(Lecture)
BIOL 1309	Biology for Non-Science Majors II
DIOL 150)	(Lecture)
BIOL 1411	General Botany (Lecture + Lab)
BIOL 1413	General Zoology (Lecture + Lab)
BIOL 2401	Anatomy & Physiology I (Lecture +
DIOL 2 101	Lab)
BIOL 2402	Anatomy & Physiology II (Lecture +
	Lab)
BIOL 2404	Anatomy & Physiology (Specialized,
-	Single-Semester Course, Lecture +
	Lab)

Credit Courses 2023-2024

BIOL 2406	Environmental Biology (Lecture +	DRAM 2361	History of Theater I
	Lab)	<b>Economics</b>	
BIOL 2420	Microbiology for Non-Science Majors	ECON 1301	Introduction to Economics
	(Lecture + Lab)	ECON 2301	Principles of Macroeconomics
BIOL 2421	Microbiology for Science Majors	ECON 2302	Principles of Microeconomics
	(Lecture + Lab)	Education	
Chemistry		EDUC 1300	Learning Framework
CHEM 1106	Introductory Chemistry I (Lab, Allied	EDUC 1301	Introduction to the Teaching
	Health Emphasis)		Profession
CHEM 1107	Introductory Chemistry II (Lab)	EDUC 2301	Introduction to Special Populations
CHEM 1111	General Chemistry I (Lab)	English	
CHEM 1112	General Chemistry II (Lab)	ENGL 1301	Composition I
CHEM 1306	Introductory Chemistry I	ENGL 1302	Composition II
CHEN 1 1207	(Lecture, Allied Health Emphasis)	ENGL 2307	Creative Writing
CHEM 1307	Introductory Chemistry II (Lecture)	ENGL 2311	Technical & Business Writing
CHEM 1311	General Chemistry I (Lecture)	ENGL 2322	British Literature I
CHEM 1312	General Chemistry II (Lecture)	ENGL 2323	British Literature II
CHEM 2423 CHEM 2425	Organic Chemistry I (Lecture + Lab) Organic Chemistry II (Lecture + Lab)	ENGL 2332	World Literature I
		ENGL 2333	World Literature II
Computer Sc		ENGL 2341	Forms to Literature
COSC 1301	Introduction to Computing	ENGL 2351	Mexican American Literature
COSC 1320	C Programming	Engineering	
COSC 1436 COSC 1437	Programming Fundamentals I Programming Fundamentals II	ENGR 1304	Engineering Graphics I
COSC 2336	Programming Fundamentals III	ENGR 2301	Engineering Mechanics-Statics
COSC 2425	Computer Organization	ENGR 2302	Engineering Mechanics-Dynamics
Criminal Just		ENGR 2305	Electrical Circuits I
	Introduction to Criminal Justice	ENGR 2308	Engineering Economics
CRIJ 1301 CRIJ 1306	Court Systems & Practices	ENGR 2332	Mechanics of Materials
CRIJ 1300 CRIJ 1307	Crime in America	ENGR 2334	Chemical Engineering
CRIJ 1307 CRIJ 1310	Fundamentals of Criminal Law	ENCD 2406	Thermodynamics I
CRIJ 1310 CRIJ 1313	Juvenile Justice System	ENGR 2406	Introduction to Digital Systems (Lecture +
CRIJ 2301	Community Resources in Corrections		(Lecture + Lab)
			Laui
		Environment	*
CRIJ 2313	Correctional Systems & Practices	Environment	al
CRIJ 2313 CRIJ 2314	Correctional Systems & Practices Criminal Investigation	ENVR 1301	al Environmental Science I (Lecture)
CRIJ 2313	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement		Environmental Science I (Lecture) Environmental Science I (Lecture +
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328	Correctional Systems & Practices Criminal Investigation	ENVR 1301 ENVR 1401	al Environmental Science I (Lecture)
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 <b>Dance</b>	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices	ENVR 1301 ENVR 1401 <b>French</b>	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 <b>Dance</b> DANC 1110	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices Tap Dance	ENVR 1301 ENVR 1401 French FREN 1411	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 <b>Dance</b>	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices	ENVR 1301 ENVR 1401 French FREN 1411 FREN 1412	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 <b>Dance</b> DANC 1110 DANC 1128	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance	ENVR 1301 ENVR 1401 French FREN 1411 FREN 1412 FREN 2311	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 <b>Dance</b> DANC 1110 DANC 1128 DANC 1151 DANC 1201	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 <b>Dance</b> DANC 1110 DANC 1128 DANC 1151	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 <b>Dance</b> DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II Earth Sciences for Non-Science
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 <b>Dance</b> DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology GEOL 1101	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II Earth Sciences for Non-Science Majors I (Lab)
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 Dance DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 Dance DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab)
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 Dance DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301 DANC 2151	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab)
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 Dance DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301 DANC 2151 DANC 2241 DANC 2245 DANC 2247	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance Intermediate Jazz Dance	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102 GEOL 1103 GEOL 1104	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab)
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 Dance DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301 DANC 2151 DANC 2241 DANC 2241	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab) Earth Sciences for Non-Science
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 Dance DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301 DANC 2151 DANC 2241 DANC 2245 DANC 2247	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance Intermediate Jazz Dance Dance Appreciation	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102 GEOL 1103 GEOL 1104 GEOL 1301	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab) Earth Sciences for Non-Science Majors I (Lecture)
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328 Dance DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1301 DANC 2151 DANC 2241 DANC 2245 DANC 2247 DANC 2303	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance Intermediate Jazz Dance Dance Appreciation  Theater Practicum I	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102 GEOL 1103 GEOL 1104	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328  Dance DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301 DANC 2241 DANC 2241 DANC 2245 DANC 2247 DANC 2303 Drama DRAM 1120 DRAM 1121	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance Intermediate Jazz Dance Dance Appreciation  Theater Practicum I Theater Practicum II	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102 GEOL 1103 GEOL 1104 GEOL 1301	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab) Earth Sciences for Non-Science Majors I (Lecture)
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328  Dance DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1301 DANC 2151 DANC 2241 DANC 2245 DANC 2247 DANC 2303 Drama DRAM 1120 DRAM 1121 DRAM 1310	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance Intermediate Jazz Dance Dance Appreciation  Theater Practicum I Theater Practicum II Theater Appreciation	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102 GEOL 1103 GEOL 1104 GEOL 1301 GEOL 1302	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328  Dance  DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301 DANC 2241 DANC 2245 DANC 2247 DANC 2303  Drama  DRAM 1120 DRAM 1310 DRAM 1330	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance Intermediate Jazz Dance Dance Appreciation  Theater Practicum I Theater Practicum II Theater Appreciation Stagecraft I	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102 GEOL 1103 GEOL 1104 GEOL 1301 GEOL 1302 GEOL 1303	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors I (Lecture) Physical Geology (Lecture)
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328  Dance  DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301 DANC 2247 DANC 2245 DANC 2247 DANC 2303 Drama DRAM 1120 DRAM 1310 DRAM 1330 DRAM 1330 DRAM 1351	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance Intermediate Jazz Dance Dance Appreciation  Theater Practicum I Theater Practicum II Theater Appreciation Stagecraft I Acting I	ENVR 1301 ENVR 1401 French FREN 1411 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102 GEOL 1103 GEOL 1104 GEOL 1301 GEOL 1302 GEOL 1303 GEOL 1304	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors II (Lecture) Historical Geology (Lecture) Historical Geology (Lecture)
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328  Dance  DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301 DANC 2151 DANC 2241 DANC 2245 DANC 2247 DANC 2303 Drama DRAM 1120 DRAM 1121 DRAM 1310 DRAM 1330 DRAM 1351 DRAM 1351	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance Intermediate Jazz Dance Dance Appreciation  Theater Practicum I Theater Practicum II Theater Appreciation Stagecraft I Acting I Acting II	ENVR 1301 ENVR 1401 French FREN 1411 FREN 1412 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102 GEOL 1103 GEOL 1104 GEOL 1301 GEOL 1301 GEOL 1304 GEOL 1304 GEOL 1304 GEOL 1304	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors II (Lecture) Historical Geology (Lecture) Historical Geology (Lecture) Beginning German I
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328  Dance  DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301 DANC 2247 DANC 2245 DANC 2247 DANC 2303 Drama DRAM 1120 DRAM 1121 DRAM 1310 DRAM 1330 DRAM 1351 DRAM 1352 DRAM 1352	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance Intermediate Jazz Dance Dance Appreciation  Theater Practicum I Theater Practicum II Theater Appreciation Stagecraft I Acting I Acting II Theater Practicum III	ENVR 1301 ENVR 1401 French FREN 1411 FREN 1412 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102 GEOL 1103 GEOL 1104 GEOL 1301 GEOL 1301 GEOL 1304 GEOL 1304 GEOL 1304 GEOR 1304 GEOR 1304 GEOR 1411	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors II (Lecture) Historical Geology (Lecture) Historical Geology (Lecture)
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328  Dance  DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301 DANC 2247 DANC 2245 DANC 2247 DANC 2303 Drama DRAM 1120 DRAM 1121 DRAM 1310 DRAM 1330 DRAM 1351 DRAM 1352 DRAM 2120 DRAM 2121	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance Intermediate Jazz Dance Dance Appreciation  Theater Practicum I Theater Practicum II Theater Appreciation Stagecraft I Acting I Acting II Theater Practicum III	ENVR 1301 ENVR 1401 French FREN 1411 FREN 1412 FREN 2311 FREN 2312 Geology GEOL 1101 GEOL 1102 GEOL 1103 GEOL 1104 GEOL 1301 GEOL 1302 GEOL 1304 GEOL 1304 GEOR 1304 GEOR 1411 GERM 1411	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors II (Lecture) Historical Geology (Lecture) Historical Geology (Lecture) Beginning German I
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328  Dance  DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301 DANC 2247 DANC 2245 DANC 2247 DANC 2303 Drama DRAM 1120 DRAM 1121 DRAM 1310 DRAM 1330 DRAM 1351 DRAM 1352 DRAM 2121 DRAM 2331	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance Intermediate Jazz Dance Dance Appreciation  Theater Practicum I Theater Practicum II Theater Appreciation Stagecraft I Acting I Acting II Theater Practicum III Theater Practicum IV Stagecraft II	ENVR 1301 ENVR 1401  French FREN 1411 FREN 1412 FREN 2311 FREN 2312 Geology GEOL 1101  GEOL 1102  GEOL 1103 GEOL 1104 GEOL 1301  GEOL 1302  GEOL 1304 German GERM 1411 GERM 1412 Government	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French II Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors I (Lecture) Historical Geology (Lecture) Physical Geology (Lecture) Historical Geology (Lecture) Beginning German I Beginning German II
CRIJ 2313 CRIJ 2314 CRIJ 2323 CRIJ 2328  Dance  DANC 1110 DANC 1128 DANC 1151 DANC 1201 DANC 1241 DANC 1245 DANC 1247 DANC 1301 DANC 2247 DANC 2245 DANC 2247 DANC 2303 Drama DRAM 1120 DRAM 1121 DRAM 1310 DRAM 1330 DRAM 1351 DRAM 1352 DRAM 2120 DRAM 2121	Correctional Systems & Practices Criminal Investigation Legal Aspects of Law Enforcement Police Systems & Practices  Tap Dance Ballroom & Social Dance Freshman Dance Performance Dance Composition & Improvisation Beginning Ballet Beginning Modern Dance Beginning Jazz Dance Dance Composition-Choreography Sophomore Dance Performance Intermediate Ballet Intermediate Modern Dance Intermediate Jazz Dance Dance Appreciation  Theater Practicum I Theater Practicum II Theater Appreciation Stagecraft I Acting I Acting II Theater Practicum III	ENVR 1301 ENVR 1401  French FREN 1411 FREN 2311 FREN 2312 Geology GEOL 1101  GEOL 1102  GEOL 1103 GEOL 1104 GEOL 1301  GEOL 1302  GEOL 1303 GEOL 1304 German GERM 1411 GERM 1412 Government GOVT 2304	Environmental Science I (Lecture) Environmental Science I (Lecture + Lab)  Beginning French I Beginning French II Intermediate French I Intermediate French II  Earth Sciences for Non-Science Majors I (Lab) Earth Sciences for Non-Science Majors II (Lab) Physical Geology (Lab) Historical Geology (Lab) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors I (Lecture) Earth Sciences for Non-Science Majors II (Lecture) Beginning Geology (Lecture)  Beginning German I Beginning German II

2023-2024 Credit Courses

	(Federal Constitution & Topics)	MUAP 1102	Introduction to Individual Instruction
GOVT 2306	Texas Government		in Stringed Instrument II
	(Texas Constitution & Topics)	MUAP 1117	Introduction to Individual Instruction
GOVT 2311	Mexican American & Latinx Politics		in Woodwind Instrument I
Health Servic	es	MUAP 1118	Introduction to Individual Instruction
HECO 1322	Nutrition & Diet Therapy		in Woodwind Instrument II
History		MUAP 1137	Introduction to Individual Instruction
HIST 1301	United States History I		in Brass Instrument I
HIST 1302	United States History II	MUAP 1138	Introduction to Individual Instruction
HIST 2301	Texas History	1411 D 1155	in Brass Instrument II
HIST 2311	Western Civilization I	MUAP 1157	Introduction to Individual Instruction
HIST 2312	Western Civilization II	MILAD 1170	in Percussion Instrument I
HIST 2321	World Civilizations I	MUAP 1158	Introduction to Individual Instruction
HIST 2322	World Civilizations II	MIIAD 1171	in Percussion Instrument II
HIST 2327	Mexican American History I (to the	MUAP 1161	Introduction to Individual Instruction
	United States-Mexico War Era)	MIIAD 1163	in Guitar Instrument I
HIST 2328	Mexican American History II (from	MUAP 1162	Introduction to Individual Instruction in Guitar Instrument II
	the United States-Mexico War Era)	MUAP 1165	Introduction to Individual Instruction
Humanities		MUAF 1103	in Keyboard Instrument I
HUMA 1305	Introduction to Mexican American	MUAP 1166	Introduction to Individual Instruction
	Studies	WIUAF 1100	in Keyboard Instrument II
HUMA 1311	Mexican American Fine Arts	MUAP 1181	Introduction to Individual Instruction
	Appreciation	MUAF 1101	in Voice Instrument I
Kinesiology		MUAP 1182	Introduction to Individual Instruction
KINE 1100	Conditioning	MIUAF 1162	in Voice Instrument II
KINE 1104	Jogging	MUAP 1201	Introduction to Individual Instruction
KINE 1108	Martial Arts	WICAI 1201	in Stringed Instrument I
KINE 1116	Basketball	MUAP 1202	Introduction to Individual Instruction
KINE 1120	Soccer	WIOAI 1202	in Stringed Instrument II
KINE 1164	Introduction to Physical Fitness &	MUAP 1217	Introduction to Individual Instruction
	Wellness	MOAI 1217	in Woodwind Instrument I
KINE 1301	Foundations of Kinesiology	MUAP 1218	Introduction to Individual Instruction
KINE 1306	First Aid	WIO/H 1210	in Woodwind Instrument II
KINE 1338	Concepts of Physical Fitness	MUAP 1237	Introduction to Individual Instruction
KINE 2100	Weight Training I	WIO/H 1237	in Brass Instrument I
KINE 2116	Swimming I	MUAP 1238	Introduction to Individual Instruction
KINE 2124	Volleyball I	1110111 1200	in Brass Instrument II
Mathematics		MUAP 1257	Introduction to Individual Instruction
MATH 1314	College Algebra		in Percussion Instrument I
MATH 1324	Mathematics for Business & Social	MUAP 1258	Introduction to Individual Instruction
	Sciences		in Percussion Instrument II
MATH 1325	Calculus for Business & Social	MUAP 1261	Introduction to Individual Instruction
1.6.4 FFIX. 1.0.00	Sciences		in Guitar Instrument I
MATH 1332	Contemporary Mathematics	MUAP 1262	Introduction to Individual Instruction
1.6.4 FFIX. 10.10	(Quantitative Reasoning)		in Guitar Instrument II
MATH 1342	Elementary Statistical Methods	MUAP 1265	Introduction to Individual Instruction
MATH 1350	Mathematics for Teachers I		in Keyboard Instrument I
NA (T) 1 1051	(Fundamentals of Mathematics I)	MUAP 1266	Introduction to Individual Instruction
MATH 1351	Mathematics for Teachers II		in Keyboard Instrument II
NA (F) 1 2205	(Fundamentals of Mathematics II)	MUAP 1281	Introduction to Individual Instruction
MATH 2305	Discrete Mathematics		in Voice Instrument I
MATH 2314	Calculus II	MUAP 1282	Introduction to Individual Instruction
MATH 2315	Calculus III		in Voice Instrument II
MATH 2318	Linear Algebra	MUAP 2201	Individual Instruction in Stringed
MATH 2320	Differential Equations		Instrument III
MATH 2412 MATH 2413	Pre-Calculus Math Calculus I	MUAP 2202	Individual Instruction in Stringed
	Calculus I		Instrument IV
Music	Introduction to Individual Instruction	MUAP 2219	Individual Instruction in Woodwind
MUAP 1101	Introduction to Individual Instruction		Instrument III
	in Stringed Instrument I	MUAP 2220	Individual Instruction in Woodwind
			Instrument IV

Credit Courses 2023-2024

MUAP 2239	Individual Instruction in Brass	PHIL 1304	Introduction to World Religions
	Instrument III	PHIL 2303	Introduction to Formal Logic
MUAP 2240	Individual Instruction in Brass	PHIL 2306	Introduction to Ethics
	Instrument IV	PHIL 2307	Introduction to Social & Political
MUAP 2259	Individual Instruction in Percussion		Philosophy
	Instrument III	PHIL 2316	Classical Philosophy
MUAP 2260	Individual Instruction in Percussion	PHIL 2321	Philosophy of Religion
	Instrument IV	Physics	
MUAP 2261	Individual Instruction in Guitar	PHYS 1101	College Physics I (Lab)
	Instrument III	PHYS 1102	College Physics II (Lab)
MUAP 2262	Individual Instruction in Guitar	PHYS 1115	Physical Science I (Lab)
1 HI L D 22 4 T	Instrument IV	PHYS 1301	College Physics I (Lecture)
MUAP 2267	Individual Instruction in Keyboard	PHYS 1302	College Physics II (Lecture)
MIIAD 2269	Instrument III	PHYS 1315	Physical Science I (Lecture)
MUAP 2268	Individual Instruction in Keyboard	PHYS 2125	University Physics I (Lab)
MILAD 2202	Instrument IV	PHYS 2126	University Physics II (Lab)
MUAP 2283	Individual Instruction in Voice III	PHYS 2325	University Physics I (Lecture)
MUAP 2284	Individual Instruction in Voice IV Concert Band I	PHYS 2326	University Physics II (Lecture)
MUEN 1121 MUEN 1122	Concert Band I	Psychology	
	Orchestra I	PSYC 2301	General Psychology
MUEN 1123	Orchestra II	PSYC 2306	Human Sexuality
MUEN 1124 MUEN 1131	Mariachi I	PSYC 2314	Lifespan Growth & Development
MUEN 1131 MUEN 1132	Mariachi II	PSYC 2315	Psychology of Adjustment
MUEN 1132 MUEN 1133	Guitar Ensemble I	PSYC 2316	Psychology of Personality
MUEN 1133 MUEN 1134	Guitar Ensemble II	PSYC 2317	Statistical Methods in Psychology
MUEN 1134 MUEN 1135	Percussion Ensemble I	PSYC 2319	Social Psychology
MUEN 1136	Percussion Ensemble II	PSYC 2320	Abnormal Psychology
MUEN 1130 MUEN 1137	Jazz Ensemble I	PSYC 2330	Biological Psychology
MUEN 1137	Jazz Ensemble II	Sociology	
MUEN 1141	Chorus I	SOCI 1301	Introduction to Sociology
MUEN 1142	Chorus II	SOCI 1306	Social Problems
MUEN 2121	Concert Band III	SOCI 2301	Marriage & the Family
MUEN 2122	Concert Band IV	SOCI 2319	Minority Studies
MUEN 2123	Orchestra III	Social Work	
MUEN 2124	Orchestra IV	SOCW 2361	Introduction to Social Work
MUEN 2131	Mariachi III	SOCW 2362	Social Welfare: Legislation, Programs, and Services
MUEN 2132	Mariachi IV	C	and Services
MUEN 2133	Guitar Ensemble III	Spanish	
MUEN 2134	~		
	Guitar Ensemble IV	SPAN 1411	Beginning Spanish I
MUEN 2135	Guitar Ensemble IV Percussion Ensemble III	SPAN 1412	Beginning Spanish II
MUEN 2136		SPAN 1412 SPAN 2311	Beginning Spanish II Intermediate Spanish I
	Percussion Ensemble III	SPAN 1412 SPAN 2311 SPAN 2312	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II
MUEN 2136	Percussion Ensemble III Percussion Ensemble IV	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III	SPAN 1412 SPAN 2311 SPAN 2312	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 Speech Com	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 Speech Com SPCH 1311	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech Communication
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181 MUSI 1182	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I Piano Class II	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 Speech Com SPCH 1311	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech Communication Public Speaking
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181 MUSI 1182 MUSI 1192	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I Piano Class II Guitar Class	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 Speech Com SPCH 1311 SPCH 1315 SPCH 1318	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech Communication Public Speaking Interpersonal Communication
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181 MUSI 1182 MUSI 1192 MUSI 1306	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I Piano Class II Guitar Class Music Appreciation	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 Speech Com SPCH 1311	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech Communication Public Speaking Interpersonal Communication Business & Professional
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181 MUSI 1182 MUSI 1192 MUSI 1306 MUSI 1307	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I Piano Class II Guitar Class Music Appreciation Music Literature	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 Speech Com SPCH 1311 SPCH 1315 SPCH 1318 SPCH 1321	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech Communication Public Speaking Interpersonal Communication Business & Professional Communication
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181 MUSI 1182 MUSI 1192 MUSI 1306 MUSI 1307 MUSI 1310	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I Piano Class II Guitar Class Music Appreciation Music Literature American Music	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 Speech Com SPCH 1311 SPCH 1315 SPCH 1318	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech Communication Public Speaking Interpersonal Communication Business & Professional Communication Discussion & Small Group
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181 MUSI 1182 MUSI 1192 MUSI 1306 MUSI 1307 MUSI 1310 MUSI 1311	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I Piano Class II Guitar Class Music Appreciation Music Literature American Music Music Theory I	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 Speech Com SPCH 1311 SPCH 1315 SPCH 1318 SPCH 1321 SPCH 2333	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech Communication Public Speaking Interpersonal Communication Business & Professional Communication Discussion & Small Group Communication
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181 MUSI 1182 MUSI 1192 MUSI 1306 MUSI 1307 MUSI 1310 MUSI 1311 MUSI 1311	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I Piano Class II Guitar Class Music Appreciation Music Literature American Music Music Theory I Music Theory II	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 Speech Com SPCH 1311 SPCH 1315 SPCH 1318 SPCH 1321 SPCH 2333 SPCH 2335	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II  munication Introduction to Speech Communication Public Speaking Interpersonal Communication Business & Professional Communication Discussion & Small Group Communication Argumentation & Debate
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181 MUSI 1182 MUSI 1192 MUSI 1306 MUSI 1307 MUSI 1310 MUSI 1311 MUSI 1311 MUSI 1311	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I Piano Class II Guitar Class Music Appreciation Music Literature American Music Music Theory I Music Theory II Sight Singing & Ear Training III	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 Speech Com SPCH 1311 SPCH 1315 SPCH 1318 SPCH 1321 SPCH 2333 SPCH 2335 SPCH 2341	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech Communication Public Speaking Interpersonal Communication Business & Professional Communication Discussion & Small Group Communication Argumentation & Debate Oral Interpretation
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181 MUSI 1182 MUSI 1192 MUSI 1306 MUSI 1307 MUSI 1310 MUSI 1311 MUSI 1311 MUSI 1311 MUSI 1312 MUSI 1312 MUSI 1312	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I Piano Class II Guitar Class Music Appreciation Music Literature American Music Music Theory I Music Theory II Sight Singing & Ear Training III Sight Singing & Ear Training III Sight Singing & Ear Training IV	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 Speech Come SPCH 1311 SPCH 1315 SPCH 1318 SPCH 1321 SPCH 2333 SPCH 2335 SPCH 2341 Teacher Pre	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech Communication Public Speaking Interpersonal Communication Business & Professional Communication Discussion & Small Group Communication Argumentation & Debate Oral Interpretation paration
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181 MUSI 1182 MUSI 1192 MUSI 1306 MUSI 1307 MUSI 1310 MUSI 1311 MUSI 1311 MUSI 1312 MUSI 2116 MUSI 2117 MUSI 2311	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I Piano Class II Guitar Class Music Appreciation Music Literature American Music Music Theory I Music Theory II Sight Singing & Ear Training III Sight Singing & Ear Training IV Music Theory III	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 SPAN 2315 SPECH 1311 SPCH 1315 SPCH 1318 SPCH 1321 SPCH 2333 SPCH 2335 SPCH 2341 Teacher Preptec 1500	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech Communication Public Speaking Interpersonal Communication Business & Professional Communication Discussion & Small Group Communication Argumentation & Debate Oral Interpretation paration Families, School, & Community
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181 MUSI 1182 MUSI 1192 MUSI 1306 MUSI 1307 MUSI 1310 MUSI 1311 MUSI 1312 MUSI 2116 MUSI 2117 MUSI 2311 MUSI 2312	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I Piano Class II Guitar Class Music Appreciation Music Literature American Music Music Theory I Music Theory II Sight Singing & Ear Training III Sight Singing & Ear Training III Sight Singing & Ear Training IV	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 SPAN 2315 Speech Come SPCH 1311 SPCH 1315 SPCH 1318 SPCH 1321 SPCH 2333 SPCH 2335 SPCH 2341 Teacher Prep TECA 1303 TECA 1311	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech Communication Public Speaking Interpersonal Communication Business & Professional Communication Discussion & Small Group Communication Argumentation & Debate Oral Interpretation paration Families, School, & Community Educating Young Children
MUEN 2136 MUEN 2137 MUEN 2138 MUEN 2141 MUEN 2142 MUSI 1116 MUSI 1117 MUSI 1181 MUSI 1182 MUSI 1192 MUSI 1306 MUSI 1307 MUSI 1310 MUSI 1311 MUSI 1311 MUSI 1312 MUSI 2116 MUSI 2117 MUSI 2311	Percussion Ensemble III Percussion Ensemble IV Jazz Ensemble III Jazz Ensemble IV Chorus III Chorus IV Sight Singing & Ear Training I Sight Singing & Ear Training II Piano Class I Piano Class II Guitar Class Music Appreciation Music Literature American Music Music Theory I Music Theory II Sight Singing & Ear Training III Sight Singing & Ear Training IV Music Theory III	SPAN 1412 SPAN 2311 SPAN 2312 SPAN 2313 SPAN 2315 SPAN 2315 SPECH 1311 SPCH 1315 SPCH 1318 SPCH 1321 SPCH 2333 SPCH 2335 SPCH 2341 Teacher Preptec 1500	Beginning Spanish II Intermediate Spanish I Intermediate Spanish II Spanish for Native/Heritage Speakers I Spanish for Native/Heritage Speakers II munication Introduction to Speech Communication Public Speaking Interpersonal Communication Business & Professional Communication Discussion & Small Group Communication Argumentation & Debate Oral Interpretation paration Families, School, & Community

2023-2024 Credit Courses

## Credit Course Descriptions



## ACCT Principles of Financial Credits 2301 Accounting 3 [F]

This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS). Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:1). Lab fee. Accounting Discipline. T

## ACCT Principles of Managerial Credits 2302 Accounting 3 [F]

This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the entity's accounting system relevant to decisions made by internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on identification and assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation. **Prerequisite:** ACCT 2301. (3:1). Lab fee. Accounting Discipline. **T** 

## ACNT Introduction to Credits 1303 Accounting I 3

A study of analyzing, classifying, and recording business transactions in a manual and computerized environment. Emphasis on understanding the complete accounting cycle and preparing financial statements, bank reconciliations, and payroll procedures and reporting. (3:1). Lab fee.

Accounting Discipline. W

## ACNT Introduction to Credits 1304 Accounting II 3

A study of accounting for merchandising, notes payable, notes receivable, valuation of receivables and equipment, and valuation of inventories in a manual and computerized environment. **Prerequisite:** ACNT 1303. (3:1). Lab fee. Accounting Discipline. **W** 

#### ACNT Forensic Credits 1305 Accounting 3

Accounting fraud and examination designed to provide a basic understanding of the impact that fraud has on an organization. (3.0). Accounting Discipline. **W** 

## ACNT Introduction to Computerized Credits 1311 Accounting 3

Introduction to utilizing the computer in maintaining accounting records with primary emphasis on a general ledger package. (3:1). Lab fee. *Accounting Discipline*. **W** 

## ACNT Computerized Accounting Credits 1313 Applications 3

Use of the computer to develop and maintain accounting records and to process common business applications for managerial decision-making. Prerequisites: [ACCT 2301 or ACNT 1303] and BCIS 1305. (3:1). Lab fee. Accounting Discipline. W

#### ACNT Payroll and Business Tax Credits 1329 Accounting 3

A study of payroll procedures, taxing entities, and reporting requirements of local, state, and federal taxing authorities in a manual and computerized environment. (3:1). Lab fee. Accounting Discipline. W

#### ACNT Federal Income Tax: Credits 1331 Individual 3

A study of the federal tax law for preparation of individual income tax returns. **Prerequisite: ACCT 2301. (3:1). Lab fee.** *Accounting Discipline.* **W** 

## ACNT Accounting Credits 2302 Capstone 3

Allows students to apply broad knowledge of the accounting profession through discipline specific projects involving the integration of individuals and teams performing activities to simulate workplace situations. (3:0). Accounting Discipline. **W** 

## ACNT Intermediate Credits 2303 Accounting I 3

Analysis of generally accepted accounting principles, concepts, and theory underlying the preparation of financial statements. **Prerequisite: ACCT 2302. (3:1). Lab fee.** *Accounting Discipline.* **W** 

Credit Courses 2023-2024

#### ACNT Cooperative Education-2380 Accounting I 3

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. **Prerequisites:** ACCT 2302 and ACNT 1304 and ACNT 1313. (1:20). Accounting Discipline. **W** 

#### ACNT Cooperative Education-2381 Accounting II 3

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. **Prerequisite:** ACNT 2380. (1:20). Accounting Discipline. **W** 

#### ARCE Structural Credits 1352 Drafting 3

A study of structural systems including concrete foundations and frames, wood framing and trusses, and structural steel framing systems. Includes detailing of concrete, wood, and steel to meet industry standards including the American Institute of Steel Construction and The American Concrete Institute. **Prerequisite: DFTG 1309. (2:4). Lab fee.** Computer Aided Design Discipline. **W** 

## ARCE Statics and Credits 2344 Strength of Materials 3

Internal effects of forces acting upon elastic bodies and the resulting changes in form and dimensions. Includes stress, shear, bending moments, and simple beam design. Prerequisites: DFTG 1309 and [MATH 1314, 1324, 1332, 1342, 2412, or 2413]. (2:4). Lab fee. Computer Aided Design Discipline. W

## ARCH Architectural History I Credits 1301 [CF] 3

Part one of a survey of the history of world architecture from pre-history to the present. This course focuses on the period from pre-history up to at least the 14<sup>th</sup> Century. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.7 History and Global Culture. Requires outside assignments. **Prerequisite: ENGL 1301** with a "C" or better. (3:0). *Architecture Discipline.* **T** 

## ARCH Architectural History II Credits 1302 [F] 3

Part two of a survey of the history of world architecture from pre-history to the present. This course focuses on the period of neo-classicism up to the modern era. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.7 History and Global Culture. Requires outside assignments. **Prerequisite: ARCH 1301 with a "C" or better. (3:0).** Architecture Discipline. **T** 

#### ARCH Architectural Design I Credits 1303 [F] 3

An introductory studio providing a foundation in the conceptual, perceptual, and manual skills necessary for two-dimensional and three-dimensional design. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills; A.2 Design Thinking Skills; A.4 Architectural Design Skills; A.5 Ordering Systems. Requires outside assignments. (2:4). Lab fee, Architecture Discipline. T

## ARCH Architectural Design II Credits 1304 [F] 3

Creative problem solving and presentation of principles, concepts, and ideas as applied to introductory architectural projects. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills; A.2 Design Thinking Skills; A.4 Architectural Design Skills; A.5 Ordering Systems. Requires outside assignments. **Prerequisite: ARCH 1303 with a "C" or better. (2:4). Lab fee.** *Architecture Discipline.* **T** 

## ARCH Architectural Graphics I Credits 1307 [F] 3

Introduction to basic drawing methods and tools. Exploration of techniques available for the design process with emphasis on two-dimensional and three-dimensional composition. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills. (2:4). Lab fee. Architecture Discipline. T

## ARCH Architectural Graphics II Credits 1308 [F] 3

Continuation of the study, methodology, and production of architectural drawings. Exploration of techniques available for the design process with emphasis on three-dimensional composition both analog and digital. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills; A.5 Ordering System. Prerequisite: ARCH 1307 with a "C" or better. (2:4). Lab fee. Architecture Discipline. T

## ARCH Introduction to Architecture Credits 1311 [F] 3

An introduction to architecture that explores the practices, principles, and wider context of architecture and design. Focuses on the role of architecture in society, culture, and the broader physical context of the built environment. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.8 Cultural Diversity and Social Equity; D.1 Stakeholder Roles in Architecture. Requires outside assignments. (3:0). Architecture Discipline. **T** 

2023-2024 Credit Courses

## ARCH Architectural Computer Credits 1315 Graphics 3

Effective use of representational media, computer aided design, and digital media to engage formal, organizational, and environmental principles. Emphasis on the appropriate media to inform two-dimensional and three-dimensional design based upon the conventions of architectural graphic communication. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills; A.4 Architecture Design Skills. (2:4). Lab fee. Architecture Discipline. **T** 

## ARCH Architectural Freehand Credits 2301 Drawing I 3

Development of freehand drawing skills in architecture. Methods and skills, including emphasis on principles of light, shade, scale, proportion, line, and tonal quality for exploring and developing conceptual ideas and for clear graphic presentations. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills; A.4 Architecture Design Skills. Requires outside assignments. (2:4). Lab fee. Architecture Discipline. T

#### ARCH Architectural Freehand Credits 2302 Drawing II 3

Advanced freehand design drawing skills in architecture. Emphasis is on using freehand techniques in visual thinking and analysis. Development of conceptual ideas for clear graphic presentations. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills; A.4 Architecture Design Skills. Requires outside assignments. **Prerequisite: ARCH 2301 with a "C" or better.** (2:4). Lab fee, Architecture Discipline. **T** 

## ARCH Architectural Technology Credits 2312 [F] 3

Introduction to materials and methods in the design and construction of buildings. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: B.7 Building Envelope Systems and Assemblies; B.8 Building Materials and Assemblies. Requires outside assignments. (3:0). Architecture Discipline. **T** 

## ARCH Architectural Design III Credits 2603 [F] 6

An intermediate architectural design studio that continues and expands the study of concepts from Architectural Design II. The course is intended to fulfill all or part of each of the following 2014 National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.4 Architectural Design Skills; A.6 Use of Precedents; B.2 Site Design. Requires outside assignments. **Prerequisites: ARCH 1304 and ARCH 1308 with a "C" or better. (4:8). Lab fee.** *Architecture Discipline.* **T** 

## ARCH Architectural Design IV Credits 2604 [F] 6

A concluding architectural design studio for the lowerdivision that continues from Architectural Design III. Course is intended to fulfill all or part of each of the following 2014 National Architectural Accrediting Board (NAAB) Student Performance Criteria: B.1 Pre-Design; B.3 Codes and Regulations; B.5 Structural Systems. Requires outside assignments. **Prerequisite: ARCH 2603 with a "C" or better.** (4:8). Lab fee. Architecture Discipline. **T** 

## ARTC Digital Imaging Credits 1302 I 3

Digital imaging using raster image editing and/or image creation software: scanning, resolution, file formats, output devices, color systems, and image-acquisitions. (2:3). Lab fee. Advertising Graphics and Design Discipline. W

## ARTC Illustration Credits 1321 Techniques I 3

A study of illustration techniques in various media. Emphasis on creative interpretation and the discipline of draftsmanship for visual communication of ideas. (2:3). Lab fee. Advertising Graphics and Design Discipline. **W** 

#### ARTC Introduction to Credits 1325 Computer Graphics 3

A survey of design concepts, terminology, processes, and procedures. Topics include computer graphics hardware, digital images, digital publishing, vector-based graphics, and interactive multimedia. (2:3). Lab fee. Advertising Graphics and Design Discipline. **W** 

### ARTC Typography Credits 1327 3

A study of letterforms and typographic concepts as elements of graphic communication. Emphasis on developing a current, practical typographic knowledge based on industry standards. (2:3). Lab fee. Advertising Graphics and Design Discipline. **W** 

#### ARTC Art Credits 1349 Direction I 3

Creation of projects in art direction for advertising graphic campaigns for products, services, or ideas. Topics include all campaign procedures from initial research and creative strategy to final execution and presentation of a comprehensive project. (2:3). Lab fee. Advertising Graphics and Design Discipline. W

## ARTC Computer Credits 1353 Illustration 3

Use of the tools and transformation options of an industrystandard vector drawing program to create complex illustrations or drawings. Presents the implementation of software for web design, illustration, and/or manipulation for reproduction. (2:3). Lab fee. Advertising Graphics and Design Discipline. W Credit Courses 2023-2024

## ARTC Illustration Credits 2301 Techniques II 3

Advanced study of illustration media and techniques using digital and/or traditional tools. Emphasis on conceptualization and composition. (2:3). Lab fee. Advertising Graphics and Design Discipline. W

## ARTC History of Communication Credits 2311 Graphics 3

Survey of the evolution of graphic arts in relation to the history of art. Includes formal, stylistic, social, political, economic, and historical aspects. Emphasis on art movements, schools of thought, individuals, and technology as they interrelate with graphic arts. (3:0). Advertising Graphics and Design Discipline. **W** 

#### ARTC Portfolio Development Credits 2335 for Graphic Design 3

Preparation of a portfolio comprised of completed graphic design projects. Evaluation and demonstration of portfolio presentation methods based on the student's specific area of study. Students need to have a fourth semester standing in Advertising Graphics and Design or instructor's approval. Please contact the program coordinator prior to registering for this course. (2:3). Lab fee. Advertising Graphics and Design Discipline. W

## ARTC Computer Credits 2340 Illustration II 3

Advanced use of software applications and/or various media with emphasis on output procedures, the resolution of complex design issues, and concept development. **Prerequisite: ARTC 1353. (2:3). Lab fee.** Advertising Graphics and Design Discipline. **W** 

## ARTS Art Appreciation Credits 1301 [C] 3

A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural, and historical contexts. Prerequisite: Placement at collegelevel English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Art Discipline. T

## ARTS Art History I (Prehistoric to Credits 1303 the 14<sup>th</sup> Century) 3

A chronological analysis of the historical and cultural contexts of painting, sculpture, architecture, and related visual arts from prehistoric times to the 14<sup>th</sup> century. Students will critically interpret and evaluate works of art within formal, cultural, and historical contexts. **Prerequisite:** Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). *Art Discipline.* **T** 

#### ARTS Art History II (14<sup>th</sup> Century Credits 1304 to the Present) 3 [C]

A chronological analysis of the historical and cultural contexts of painting, sculpture, architecture, and related visual arts from the 14<sup>th</sup> century to the present day. Students will critically interpret and evaluate works of art within formal, cultural, and historical contexts. **Prerequisite:** Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). *Art Discipline.* **T** 

#### ARTS Design I Credits 1311 (2-Dimensional) 3

An introduction to the fundamental terminology, concepts, theory, and application of two-dimensional design. Emphasizes experimentation and practices in basic design projects using visual communication techniques and creative problem-solving. (2:4). Lab fee. Art Discipline. **T** 

#### ARTS Design II Credits 1312 (3-Dimensional) 3

An introduction to the fundamental terminology, concepts, theory, and application of three-dimensional design. Emphasizes experimentation and practices in design projects using visual communication techniques and creative problem-solving. **Prerequisite: ARTS 1311. (2:4). Lab fee.** *Art Discipline.* **T** 

## ARTS Drawing Credits 1316 I 3

A foundation studio course exploring drawing with emphasis on descriptive, expressive and conceptual approaches. Students will learn to see and interpret a variety of subjects while using diverse materials and techniques. Coursework will facilitate a dialogue in which students will engage in critical analysis and begin to develop their understanding of drawing as a discipline. May include life drawing using a nude model. (2:4). Lab fee. Art Discipline. T

## ARTS Drawing Credits 1317 II 3

A studio course exploring drawing with continued emphasis on descriptive, expressive and conceptual approaches. Students will further develop the ability to see and interpret a variety of subjects while using diverse materials and techniques. Color media may also be explored. Coursework will facilitate a dialogue in which students will employ critical analysis to broaden their understanding of drawing as a discipline. May include life drawing using a nude model.

Prerequisite: ARTS 1316. (2:4). Lab fee. Art Discipline. T

## ARTS Painting Credits 2316 I 3

Studio art course that introduces the fundamental principles, materials, and techniques of painting. Emphasis on exploring value, color, and composition. Students will engage in critical analysis and develop their understanding of painting as a discipline. May include life drawing using a nude model. (2:4). Lab fee. Art Discipline. **T** 

2023-2024 Credit Courses

## ARTS Painting Credits 2317 II 3

Studio art course that furthers the study of the principles, materials, and techniques of painting with increased emphasis on critical analysis of painting as a discipline. May include life drawing using a nude model. **Prerequisite: ARTS 2316. (2:4). Lab fee.** *Art Discipline.* **T** 

## ARTS Life Credits 2323 Drawing 3

Studio art course that introduces the analytic study of the human form and the figure's potential for compositional and expressive use in drawing. Emphasizes anatomical structure and composition of the figure through the use of drawing media and study of a nude model. **Prerequisite: ARTS 1316.** (2:4). Lab fee. *Art Discipline.* **T** 

## ARTS Sculpture Credits 2326 3

A studio art course that introduces the materials, processes, and issues pertaining to the making of three-dimensional objects and environments. The course explores the use of varied materials and techniques along with the formal and conceptual principles that form the basis of contemporary sculpture. Focuses on studio production, safety, and aesthetic criticism. (2:4). Lab fee. Art Discipline. T

### ARTS Printmaking Credits 2333 3

A studio art course that introduces the materials, processes, and concepts pertaining to traditional and contemporary printmaking. The course explores the use of varied tools and techniques along with the formal and conceptual principles to create editioned and unique works. Introduces the basics of relief, intaglio, and lithographic printmaking techniques including the terminology and brief history of these processes. (2:4). Lab fee. Art Discipline. T

### ARTS Metals Credits 2341 3

A studio art course that introduces metalsmithing using basic techniques in jewelry design and metal construction. The course provides instruction and practical fabrication experience as it relates to the design and production of small-scale functional and/or non-functional objects. (2:4). Lab Fee. Art Discipline. T

### ARTS Ceramics I Credits 2346 3

A studio art course that introduces basic building, throwing, and other techniques as it relates to the design and production of ceramic sculpture and pottery. Includes hand-building techniques, glazing and other surface treatments, and kiln firing procedures. May include an introduction to the potter's wheel. (2:4). Lab fee. Art Discipline. **T** 

## ARTS Ceramics Credits 2347 II 3

A studio art course that furthers the study of building, throwing, and other techniques as it relates to the design and production of ceramic sculpture and pottery. Continued emphasis on creative form, techniques, and materials using the potter's wheel and hand-building techniques. **Prerequisite: ARTS 2346. (2:4).** Lab fee. Art Discipline. **T** 

## ARTS Digital Media Credits 2348

Studio art course that introduces the potential of basic digital media manipulation and graphic creation. The course emphasizes still and time-based media. (2:4). Lab fee. Art Discipline. **T** 

#### ARTS Photography I Credits 2356 (Fine Arts Emphasis) 3

A studio art course that introduces the technical and conceptual basics of photography as a creative medium. **(2:4).** Lab fee. *Art Discipline.* **T** 

## ARTS Photography II Credits 2357 (Fine Arts Emphasis) 3

A studio art course that furthers the study of the technical and conceptual basics of photography as a creative medium. **Prerequisite: ARTS 2356. (2:4). Lab fee.** *Art Discipline.* **T** 

### ARTV Basic Animation Credits 1303 3

Examination of animation concepts, principles, and storyboard for basic production. Emphasizes creating movement and expression utilizing traditionally or digitally generated image sequences. (2:3). Lab fee. Advertising Graphics and Design Discipline. W

ASTR	Stars and Galaxies	Credits
1103	(Lab)	1

Laboratory activities applied to the study of stars, galaxies, and the universe outside our solar system. **Corequisite: ASTR 1303. (0:2). Lab fee.** *Physics Discipline.* **T** 

## ASTR Solar System Credits 1104 (Lab) 1

Laboratory activities applied to the study of the sun and its solar system, including its origin. Corequisite: ASTR 1304. (0:2). Lab fee. *Physics Discipline*. **T** 

## ASTR Stars and Galaxies Credits 1303 (Lecture) 3 [C]

Study of stars, galaxies, and the universe outside our solar system. May not be counted as physics credit toward a major or minor in physics, but may be counted as science credit for non-science majors. Prerequisite: Placement at collegelevel English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. Corequisite: ASTR 1103. (3:0). Physics Discipline. T

**Credit Courses** 2023-2024

ASTR	Solar System	Credits
1304	(Lecture)	3
	[C]	

Study of the sun and its solar system, including its origin. May not be counted as physics credit toward a major or minor in physics, but may be counted as science credit for non-science majors. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. Corequisite: ASTR 1104. (3:0). Physics Discipline. T

#### **AUMT Automotive Credits** 1307 **Electrical Systems**

An overview of automotive electrical systems including topics in operational theory, testing, diagnosis, and repair of charging and starting systems, and electrical accessories. Emphasis on electrical principles, schematic diagrams, and service publications. May be taught manufacturer specific. (2:4). Lab fee. Automotive Technology Discipline. W

#### AUMT Automotive **Credits** 1310 **Brake Systems** 3

Operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis, and repair of power, manual, anti-lock brake systems, and parking brakes. May be taught manufacturer specific. (2:4). Lab fee. Automotive Technology Discipline. W

#### **AUMT Automotive Suspension and Credits** 1316 **Steering Systems**

Diagnosis and repair of automotive suspension and steering systems including electronically controlled systems. Includes component repair, alignment procedures and tire and wheel service. May be taught manufacturer specific. (2:4). Lab fee. Automotive Technology Discipline. W

#### **AUMT Automotive Credits** 1319 **Engine Repair** 3

Fundamentals of engine operation, diagnosis and repair. Emphasis on identification, inspection, measurements, and disassembly, repair, and reassembly of the engine. May be taught manufacturer specific. (2:4). Lab fee. Automotive Technology Discipline. **W** 

#### **AUMT Automotive Climate** Credits 1345 **Control Systems** 3

Diagnosis and repair of manual/electronic climate control systems. Includes the refrigeration cycle and EPA guidelines for refrigerant handling. May be taught manufacturer specific. Prerequisite: AUMT 1307. (2:4). Lab fee. Automotive Technology Discipline. **W** 

#### **AUMT** Automotive **Credits** 2310 **Service Consultant**

Automotive service consulting skills and procedures. Includes vehicle identification, product knowledge, shop operations, warranty service contracts, communications, customer relations, internal relations, and sales skills. Emphasizes courtesy, professionalism, and communications. Covers the use of the flat rate manual. Provides hands-on experience in diagnostic and service repair procedures. Prepares students for employment in the automotive industry and serves as a precursor for Automotive Service Excellence (ASE) exams and eventual automotive technician certification in chosen areas. Prerequisites: AUMT 2313 and AUMT 2325 and AUMT 2334. (2:4). Lab fee. Automotive Technology Discipline. **W** 

#### **AUMT Automotive Drive Credits** 2313 Train and Axles

A study of automotive clutches, clutch operation devices, manual transmissions/transaxles, and differentials with emphasis on diagnosis and repair. May be taught manufacturer specific. (2:4). **Lab fee.** Automotive Technology Discipline. **W** 

#### **AUMT Automotive Engine Credits** 2317 Performance Analysis I 3

Theory, operation, diagnosis of drivability concerns, and repair of ignition and fuel delivery systems. Use of current engine performance diagnostic equipment. May be taught manufacturer specific (2:4). Lab fee. Automotive Technology Discipline. W

#### **AUMT Automotive Electrical** Credits 2321 **Diagnosis and Repair** 3

Repair of automotive electrical subsystems, lighting, instrumentation, and accessories. Emphasis on accurate diagnosis and proper repair methods using various troubleshooting skills and techniques. May be taught manufacturer specific. Prerequisite: AUMT 1307. (2:4). Lab fee. Automotive Technology Discipline. W

#### **AUMT Automatic Transmission and Credits** 2325 **Transaxle** 3

A study of the operation, hydraulic circuits and electronic controls of modern automatic transmissions and automatic transaxles. Diagnosis, disassembly, and assembly procedures with emphasis on the use of special tools and repair techniques. May be taught manufacturer specific. (2:4). Lab fee. Automotive Technology Discipline. **W** 

#### AUMT **Automotive Engine** Credits 2334 Performance Analysis II

Diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance diagnostic equipment. May be taught manufacturer specific. Prerequisite: AUMT 2317. (2:4). Lab fee. Automotive Technology Discipline. W

2023-2024 Credit Courses

### AUMT Automotive Credits 2337 Electronics 3

Study of electronic principles applied to microcomputers and communication systems. Includes digital fundamentals, and use of electronic test equipment. May be taught manufacturer specific. It is highly recommended that students complete AUMT 1307 before registering for this course. (2:4). Lab fee. Automotive Technology Discipline. **W** 

## AUMT Cooperative Education2380 Automobile/Automotive 3 Mechanics Technology/ Technician I

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. **Prerequisites: AUMT 1307 and AUMT 2317 and AUMT 2337.** (1:20). Automotive Technology Discipline. **W** 

## AUMT Cooperative Education2381 Automobile/Automotive 3 Mechanics Technology/ Technician II

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. **Prerequisite:** AUMT 2380. (1:20). Automotive Technology Discipline. **W** 

## B

## BCIS Business Computer Credits 1305 Applications 3 [F]

Introduces and develops foundational skills in applying essential and emerging business productivity information technology tools. The focus of this course is on business productivity software applications, including word processing, spreadsheets, databases, presentation graphics, data analytics, and business-oriented utilization of the internet. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:1). Lab fee. Business Management Discipline. T

#### BIOL Biology for Science Majors I Credits 1106 (Lab) 1

This laboratory-based course accompanies BIOL 1306, Biology for Science Majors I. Laboratory activities will reinforce the fundamental principles of living organisms, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Study and examination of the concepts of cytology, reproduction, genetics, and scientific reasoning are included. **Corequisite: BIOL 1306.** (0:3). Lab fee. *Biology Discipline.* **T** 

#### BIOL Biology for Science Majors II Credits 1107 (Lab) 1

This laboratory-based course accompanies BIOL 1307, Biology for Science Majors II. Laboratory activities will reinforce study of the diversity and classification of life, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals. Students pursuing an Associate of Science are required to earn a "C" or better in this course. Prerequisite: BIOL 1106 with a "C" or better. Corequisite: BIOL 1307. (0:3). Lab fee. *Biology Discipline*. **T** 

#### BIOL Biology for Non-Science Credits 1108 Majors I (Lab) 1

This laboratory-based course accompanies BIOL 1308, Biology for Non-Science Majors I. Laboratory activities will reinforce a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. **Corequisite: BIOL 1308. (0:2). Lab fee.** *Biology Discipline.* **T** 

#### BIOL Biology for Non-Science Credits 1109 Majors II (Lab) 1

This laboratory-based course accompanies BIOL 1309, Biology for Non-Science Majors II. Laboratory activities will reinforce a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Prerequisite: BIOL 1108 with a "C" or better. Corequisite: BIOL 1309. (0:2). Lab fee. Biology Discipline. **T** 

## BIOL Biology for Science Majors I Credits 1306 (Lecture) 3 [C]

Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. Corequisite: BIOL 1106. (3:0). Biology Discipline. **T** 

# BIOL Biology for Science Majors II Credits 1307 (Lecture) 3 [C]

The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals. Students pursuing an Associate of Science are required to earn a "C" or better in this course. Prerequisites: BIOL 1306 and 1106 with a "C" or better or Biology CLEP exam. Corequisite: BIOL 1107. (3:0). Biology Discipline. T

# BIOL Biology for Non-Science Credits 1308 Majors I (Lecture) 3 [C]

Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. This course is NOT intended for science majors. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. Corequisite: BIOL 1108. (3:0). Biology Discipline. T

## BIOL Biology for Non-Science Credits 1309 Majors II (Lecture) 3 [C]

This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. This course is NOT intended for science majors. **Prerequisites: BIOL 1308 and 1108 with a "C" or better. Corequisite: BIOL 1109.** (3:0). *Biology Discipline.* **T** 

## BIOL General Botany Credits 1411 (Lecture + Lab) 4

Fundamental biological concepts relevant to plant physiology, life cycle, growth and development, structure and function, and cellular and molecular metabolism. The role of plants in the environment, evolution, and phylogeny of major plant groups, algae, and fungi. Course includes laboratory activities. This course is intended for science majors. Prerequisites: BIOL 1306 and BIOL 1106 with a "C" or better or Biology CLEP exam. (3:3). Lab fee. Biology Discipline. T

#### BIOL General Zoology Credits 1413 (Lecture + Lab) 4

Fundamental biological concepts relevant to animals, including systematics, evolution, structure and function, cellular and molecular metabolism, reproduction, development, diversity, phylogeny, and ecology. Course includes laboratory activities. This course is intended for science majors. **Prerequisites: BIOL 1306 and BIOL 1106 with a "C" or better or Biology CLEP exam. (3:4). Lab fee.** *Biology Discipline.* **T** 

#### BIOL Anatomy & Physiology I Credits 2401 (Lecture + Lab) 4 [CF]

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on the interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Although BIOL 2402 may be taken concurrently, it is strongly recommended that BIOL 2401 is completed before BIOL 2402. Prerequisites: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313; and BIOL 1306 and 1106 with a "C" or better or Biology CLEP exam. (3:3). Lab fee. Biology Discipline. T

#### BIOL Anatomy & Physiology II Credits 2402 (Lecture + Lab) 4 [CF]

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Although BIOL 2401 may be taken concurrently, it is strongly recommended that BIOL 2401 is completed before BIOL 2402. Prerequisites: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313; and BIOL 1306 and 1106 with a "C" or better or Biology CLEP exam. (3:3). Lab fee. Biology Discipline. **T** 

# BIOL Anatomy & Physiology Credits 2404 (Specialized, SingleSemester Course, Lecture + Lab) [C]

Study of the structure and function of human anatomy, including the neuroendocrine, integumentary, musculoskeletal, digestive, urinary, reproductive, respiratory, and circulatory systems. Content may be either integrated or specialized. Designed for Allied Health students who need a single semester of Anatomy & Physiology. This course will not count as credit toward the Associate of Science degree in Biology. BIOL 2404 is NOT a substitute for BIOL 2401 and BIOL 2402. Prerequisites: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313; and BIOL 1306 and 1106 with a "C" or better or Biology CLEP exam. (3:3). Lab fee. Biology Discipline. T

#### BIOL Environmental Biology Credits 2406 (Lecture + Lab) 4

Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, hazards and risks, and approaches to ecological research. Course includes laboratory activities. This course is NOT intended for science majors. (3:3). Lab fee. *Biology Discipline*. **T** 

## BIOL Microbiology for Non-Science Credits 2420 Majors (Lecture + Lab) 4

This course covers basic microbiology and immunology and is primarily directed at pre-nursing, pre-allied health, and non-science majors. It provides an introduction to historical concepts of the nature of microorganisms, microbial diversity, the importance of microorganisms and acellular agents in the biosphere, and their roles in human and animal diseases. Major topics include bacterial structure as well as growth, physiology, genetics, and biochemistry of microorganisms. Emphasis is on medical microbiology, infectious diseases, and public health. Course includes laboratory activities. **Prerequisites: BIOL 1306 and 1106 with a "C" or better or Biology CLEP exam. (3:3). Lab fee.** *Biology Discipline.* **T** 

## BIOL Microbiology for Science Credits 2421 Majors (Lecture + Lab) 4

Principles of microbiology, including metabolism, structure, function, genetics, and phylogeny of microbes. The course will also examine the interactions of microbes with each other, hosts, and the environment. Requires unscheduled observation visits to the laboratory. Prerequisites: BIOL 1306 and 1106 with a "C" or better or Biology CLEP exam; and CHEM 1311 and 1111 with a "C" or better or Chemistry CLEP exam. (3:3). Lab fee. Biology Discipline. T

## BMGT Communications in Credits 1305 Management 3

Basic theory and processes of communication skills necessary for the management of an organization's workforce. Emphasizes written business communication documents. Successful completion of ENGL 1301 is strongly recommended. (3:0). Business Management Discipline. **W** 

## BMGT Production and Operations Credits 1331 Management 3

Fundamentals of techniques used in the practice of production and operations management. Includes location, design, and resource allocation. Emphasizes equipment and plant layout necessary for improved production and best practices. (3:1). *Industrial Manufacturing Option Discipline.* **W** 

#### BMGT Business Credits 1341 Ethics 3

Discussion of ethical issues, the development of a moral frame of reference, and the need for an awareness of social responsibility in management practices and business activities. Includes ethical corporate responsibility and relationships between organizational departments, divisions, executive management, and the public. (3:0). Business Management Discipline. **W** 

# BMGT Cooperative Education-Credits 2382 Business Administration and Management, General I

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1:20). Business Management Discipline. **W** 

#### BUSG Introduction to Credits 1301 Business 3

Fundamental business principles including structure, functions, resources, and operational processes. (3:0). Business Management Discipline. **W** 

## BUSG Business Credits 2305 Law/Contracts 3

Principles of law which form the legal framework for business activity including applicable statutes, contracts, and agency. (3:0). Business Management Discipline. **W** 

## BUSG Small Business Management/ Credits 2309 Entrepreneurship 3

Starting, operating, and growing a small business. Includes essential management skills, how to prepare a business plan, accounting, financial needs, staffing, marketing strategies, and legal issues. (3:0). Business Management Discipline. **W** 

## BUSI Business Principles Credits 1301 [F] 3

This course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in the legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Business Management Discipline. T

## BUSI Business Statistics Credits 2305 [F] 3

Descriptive and inferential statistical techniques for business and economic decision-making. Topics include the collection, description, analysis, and summarization of data; probability; discrete and continuous random variables; the binomial and normal distributions; sampling distributions; tests of hypotheses; estimation and confidence intervals; linear regression; and correlation analysis. Statistical software is used to analyze data throughout the course. **Prerequisite:** [MATH 1324 or MATH 1314] and [BCIS 1305 or MATH 1325]. (3:1). Lab fee. Business Management Discipline. **T** 

# C

## CDEC Families, School & Credits 1303 Community 3

Study of the child, family, community, schools, child care programs, and Head Start programs. Includes parent education and involvement, family and community lifestyles, child abuse, and current family life issues as it relates to infants and toddlers. Course content aligned with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Requires students to participate in a minimum of 16 hours of field experience with children from infancy through age 12 in a variety of settings with varied and diverse populations. THIS COURSE IS NOT EQUIVALENT TO TECA 1303. (2:2). Lab fee. Child Development Discipline. W

#### CDEC Curriculum Resources for Credits 1313 Early Childhood Programs 3

A study of the fundamentals of developmentally appropriate curriculum design and implementation in early care and education programs for children birth through age eight. (2:2). Lab fee. Child Development Discipline. W

#### CDEC Wellness of Credits 1318 the Young Child 3

Factors impacting the well-being of young children. Includes healthy behavior, food, nutrition, fitness, and safety practices specifically targeting infants and toddlers. Focuses on local and national standards and legal implications of relevant policies and regulations. Course content is aligned with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Requires students to participate in a minimum of 16 hours field experience with children from infancy through age 12 in a variety of settings with varied and diverse populations. THIS COURSE IS NOT EQUIVALENT TO TECA 1318. (2:2). Lab fee. Child Development Discipline. W

## CDEC Child Credits 1319 Guidance 3

An exploration of guidance strategies for promoting prosocial behaviors with individual and groups of children. Emphasis on positive guidance principles and techniques, family involvement, and cultural influences. (2:2). Lab fee. Child Development Discipline. **W** 

#### CDEC The Infant Credits 1321 and Toddler 3

A study of appropriate infant and toddler programs (birth to age 3), including an overview of development, quality routines, learning environments, materials and activities, and teaching/guidance techniques. (2:2). Lab fee. Child Development Discipline. W

## CDEC Observation and Credits 1323 Assessment 3

A study of observation skills, assessment techniques, and documentation of children's development. Emphasizes the instruments and research pertaining to infants and toddlers. (2:2). Lab fee. *Child Development Discipline*. **W** 

#### CDEC Early Childhood Credits 1339 Development: 0-3 Years 3

Principles of typical growth and development from conception through three years of age. Emphasizes physical, cognitive, and social and emotional development. (3:0). Child Development Discipline. **W** 

## CDEC Emergent Literacy Credits 1356 for Early Childhood 3

An exploration of principles, methods, and materials for teaching language and literacy through a play-based integrated curriculum to children from birth through age eight. (2:2). Lab fee. Child Development Discipline. W

## CDEC Creative Arts for Credits 1358 Early Childhood 3

An exploration of principles, methods, and materials for teaching music, movement, visual arts, and dramatic play through process-oriented experiences to support divergent thinking for children birth through age eight. (2:2). Lab fee. Child Development Discipline. **W** 

3

#### CDEC Children with Credits 1359 Special Needs 3

A survey of information regarding children with special needs including possible causes and characteristics of exceptionalities, intervention strategies, available resources, referral processes, the advocacy role, and legislative issues. (2:2). Lab fee. *Child Development Discipline*. **W** 

#### CDEC Language and Literacy for Credits 1370 Infants and Toddlers 3

Explores and examines a concentration of theory and best practices for the effective development of language and communication skills as well as early literacy in infants and toddlers (ages 0-3 years). (3:0). *Child Development Discipline*.

## CDEC Math and Science for Credits

2307

Exploration of principles, methods, and materials for teaching children math and science concepts and process skills through discovery and play. (2:2). Lab fee. Child Development Discipline. W

**Early Childhood** 

## CDEC Diverse Cultural/ Credits 2315 Multilingual Education 3

An overview of diverse cultural and multilingual education including familial relationships, community awareness, diversity, and the needs of each and every child. (2:2). Lab fee. Child Development Discipline. **W** 

## CDEC Administration of Credits 2326 Programs for Children I 3

Application of management procedures for early care and education programs. Includes planning, operating, supervising, and evaluating programs. Topics cover philosophy, types of programs, policies, fiscal management, regulations, staffing, evaluation, and communication. (3:0). *Child Development Discipline*. **W** 

## CDEC The School Credits 2341 Age Child 3

A study of programs for the school age child, including an overview of development, learning environments, materials, activities and guidance techniques. (2:2). Lab fee. Child Development Discipline. W

#### CDEC Managing Non-Center Credits 2374 Based Child Care Settings 3

Studies non-center based child care settings. Emphasizes the establishment and maintenance of family, day, home, and school-age child care facilities. Surveys all records and documents necessary to operate a non-center based child care facility successfully, including applications for licensing, evaluations, and maintaining records on staff and children. Emphasizes professional responsibilities, as well as legal implications involved in the operation of a non-center based child care facility. (3:0). Child Development Discipline. W

#### CDEC Cooperative Education-Child Development I 3

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1:15). Professional Practice Insurance required. Child Development Discipline. W

## CETT Electricity Credits 1302 Principles 3

Principles of electricity including proper use of test equipment, A/C and D/C circuits, and component theory and operations. (2:2). Lab Fee. *Industrial Manufacturing Option Discipline*. **W** 

#### CETT Fundamentals of Credits 1407 Electronics 4

Applies concepts of electricity, electronics, and digital fundamentals; supports programs requiring a general knowledge of electronics. Studies devices, circuits and systems primarily used in automated manufacturing and/or process control including computer controls and interfacing between mechanical, electronic, and computer equipment. (3:3). Lab fee. Industrial Manufacturing Option Discipline. W

## CETT DC-AC Credits 1409 Circuits 4

Fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. (3:2). Lab fee. Renewable Energy Technology Systems Discipline. W

## CHEF Professional Cooking Credits 1300 and Meal Service 3

Technical aspects of food preparation in the commercial kitchen. This will be accomplished by preparing and serving meals according to a production schedule. Emphasis on teamwork, professionalism, guest relations, and table service. **Prerequisite: CHEF 1341. (2:4). Lab fee.** *Culinary Arts and Related Sciences Discipline.* **W** 

## CHEF Basic Food Credits 1301 Preparation 3

A study of the fundamental principles of food preparation and cookery to include Brigade System, cooking techniques, material handling, heat transfer, sanitation, safety, nutrition, and professionalism. Corequisites: CHEF 1305 and PSTR 1301. (2:4). Lab fee. Culinary Arts and Related Sciences Discipline. W

## CHEF Sanitation and Credits 1305 Safety 3

A study of personal cleanliness; sanitary practices in food preparation; causes, investigation, control of illness caused by food contamination (Hazard Analysis Critical Control Points); and workplace safety standards. (3:0). Culinary Arts and Related Sciences Discipline. **W** 

## CHEF A La Carte Credits 1314 Cooking 3

A course in a la carte or "cooking to order" concepts. Topics include menu and recipe interpretation and conversion, organization of workstation, employment of appropriate cooking methods, plating, and saucing principles. Prerequisite: CHEF 1300. Corequisites: CHEF 1410 and CHEF 2302. (2:4). Lab fee. Culinary Arts and Related Sciences Discipline.

#### CHEF American Regional Credits 1341 Cuisine 3

A study of the development of regional cuisines in the United States with emphasis on the similarities in production and service systems. Application of skills to develop, organize, and acquire knowledge of recipe strategies and production systems. Prerequisites: CHEF 1301 and CHEF 1305. Corequisite: CHEF 1345. (2:4). Lab fee. Culinary Arts and Related Sciences Discipline. W

## CHEF International Credits 1345 Cuisine 3

The study of classical cooking skills associated with the preparation and service of international and ethnic cuisines. Topics include similarities between food production systems used in the United States and other regions of the world. Prerequisite: CHEF 1301. Corequisite: CHEF 1341. (2:4). Lab fee. Culinary Arts and Related Sciences Discipline. W

## CHEF Garde Credits 1410 Manger 4

A study of cold foods and garnishes. Emphasis on design, techniques, and display of fine foods. **Prerequisite: CHEF 1300. Corequisites: CHEF 1314 and CHEF 2302. (2:6). Lab fee.** Culinary Arts and Related Sciences Discipline. **W** 

# CHEF Practicum (or Field Credits 2264 Experience) - 2 Culinary Arts/ Chef Training I

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Lab is an on-campus experience. Prerequisite: CHEF 1314. Corequisite: CHEF 2331. (0:14). Lab fee. Culinary Arts and Related Sciences Discipline. W

## CHEF Saucier Credits 2302 3

Instruction in the preparation of stocks, soups, classical sauces, contemporary sauces, accompaniments, and the pairing of sauces with a variety of foods. **Prerequisite: CHEF 1300. Corequisites: CHEF 1314 and CHEF 1410. (2:4). Lab fee.** *Culinary Arts and Related Sciences Discipline.* **W** 

#### CHEF Advanced Food Credits 2331 Preparation 3

Advanced concepts of food preparation and presentation techniques. Prerequisite: CHEF 1314. Corequisite: CHEF 2264. (2:4). Lab fee. Culinary Arts and Related Sciences Discipline. W

#### CHEM Introductory Chemistry I Credits 1106 (Lab, Allied Health Emphasis) 1 [F]

Accompanies CHEM 1306, Introductory Chemistry I. Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for nonscience and allied health students. **Corequisite: CHEM 1306. (0:3). Lab fee.** *Chemistry Discipline.* **T** 

# CHEM Introductory Credits 1107 Chemistry II (Lab) 1 [F]

Accompanies CHEM 1307, Introductory Chemistry II. Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for non-science and allied health students. **Prerequisite:** CHEM 1106 with a "C" or better. Corequisite: CHEM 1307. (0:3). Lab fee. Chemistry Discipline. **T** 

## CHEM General Chemistry I (Lab) Credits 1111 [F] 1

Basic laboratory experiments supporting theoretical principles presented in CHEM 1311; introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports. **Corequisite: CHEM 1311.** (0:3). **Lab fee.** *Chemistry Discipline.* **T** 

## CHEM General Chemistry II (Lab) Credits 1112 [F] 1

Basic laboratory experiments supporting theoretical principles presented in CHEM 1312; introduction to the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory reports. **Prerequisite: CHEM 1111 with a "C" or better. Corequisite: CHEM 1312. (0:3). Lab fee.** *Chemistry Discipline.* **T** 

# CHEM Introductory Chemistry I Credits 1306 (Lecture, Allied Health 3 Emphasis) [CF]

Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for non-science and allied health students. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. Corequisite: CHEM 1106. (3:0). Chemistry Discipline. T

# CHEM Introductory Chemistry II Credits 1307 (Lecture) 3 [CF]

Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for non-science and allied health students. Prerequisites: CHEM 1306 and 1106 with a "C" or better. Corequisite: CHEM 1107. (3:0). Chemistry Discipline. T

## CHEM General Chemistry I (Lecture) Credits 1311 [CF] 3

Fundamental principles of chemistry for majors in the sciences, health sciences, and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, and an introduction to thermodynamics and descriptive chemistry. High school chemistry is strongly recommended. Prerequisites: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313; and MATH 1314 with a "C" or better. Corequisite: CHEM 1111. (3:0) Chemistry Discipline.

# CHEM General Chemistry II Credits 1312 (Lecture) 3 [CF]

Chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic chemistry. Prerequisite: CHEM 1311 and 1111 with a "C" or better. Corequisite: CHEM 1112. (3:0). Chemistry Discipline. T

# CHEM Organic Chemistry I Credits 2423 (Lecture + Lab) 4 [F]

Fundamental principles of organic chemistry will be studied, including the structure, bonding, properties, and reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules, including spectroscopy. Laboratory activities will reinforce fundamental principles of organic chemistry. Methods for the purification and identification of organic compounds will be examined. This course is intended for students in science or pre-professional programs. Prerequisites: CHEM 1312 and 1112 with a "C" or better. (3:3). Lab fee. Chemistry Discipline. T

# CHEM Organic Chemistry II Credits 2425 (Lecture + Lab) 4 [F]

Advanced principles of organic chemistry will be studied, including the structure, properties, and reactivity of aliphatic and aromatic organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules, including spectroscopy. Laboratory activities reinforce advanced principles of organic chemistry. This course is intended for students in science or pre-professional programs. **Prerequisite: CHEM 2423 with a "C" or better.** (3:3). Lab fee. Chemistry Discipline. **T** 

#### CJCR Cooperative Education-2380 Corrections 3

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1:15). Criminal Justice Discipline. W

## CMSW Problems of Children and Credits 1309 Adolescents 3

Examine common problems and evaluate effective prevention and intervention models of at-risk children and youth. Topics include social, family, educational systems impact, juvenile delinquency, teen sexuality, and mental health including addictive behaviors to promote wellness. (3:0). Social Work Discipline. **W** 

### CMSW Family Intervention Credits 1353 Strategies 3

Study of family dynamics and current intervention strategies. Studies structure and function of family interventions, transformations and communication patterns. Examines areas of intervention and how the family relates to the social environment. (3:0). Social Work Discipline. W

#### CNBT Mechanical, Electrical & Credits 1302 Plumbing Systems in 3 Construction I

A presentation of the basic mechanical, electrical, and plumbing components in construction and their relationship to residential and light commercial buildings. (2:3). Lab fee. Renewable Energy Technology Systems Discipline. W

#### CNBT Green Credits 2317 Building 3

Methods and materials used for buildings that conserve energy, water, and human resources. (2:4). Lab fee. Renewable Energy Technology Systems Discipline. W

COMM	Introduction to Mass	Credits
1307	Communication	3
	[C]	

Survey of basic content and structural elements of mass media and their functions and influences on society. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Mass Communication Discipline. **T** 

## COMM News Credits 1316 Photography I 3

Problems and practices of photography for newspapers. Includes instruction in camera and equipment operation and maintenance, film and plate developing, and printing media. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (2:2). Lab fee. Mass Communication Discipline. **T** 

#### COMM Digital Video Credits 1336 Production I 3

Practical experience in the operation of studio and control room equipment, including both pre- and post-production needs. (2:2). Lab fee. *Mass Communication Discipline*. **T** 

#### COMM Digital Video Credits 1337 Production II 3

Practical experience in the operation of television studio and control room equipment, including both pre- and post-production needs. **Prerequisite: COMM 1336. (2:2). Lab fee.** *Mass Communication Discipline.* **T** 

## COMM Audio Credits 2303 Production 3

Practical experience in the operation of audio equipment, including both pre- and post-production needs. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (2:2). Lab fee. Mass Communication Discipline. T

#### COMM Media Credits 2311 Writing 3

Fundamentals of writing for the mass media. Includes instruction in professional methods and techniques for gathering, processing, and delivering content. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Mass Communication Discipline. T

## COMM News Credits 2315 Reporting 3

This course focuses on advanced news-gathering and writing skills. It concentrates on the three-part process of producing news stories: discovering the news, reporting the news, and writing the news in different formats. **Prerequisite: COMM 2311. (3:0).** *Mass Communication Discipline.* **T** 

#### COMM Practicum in Credits 2324 Electronic Media 3

Lecture and laboratory instruction and participation. (1:5). *Mass Communication Discipline*. **T** 

## COMM Introduction to Credits 2327 Advertising 3

Fundamentals of advertising including theory and strategy, copywriting, design, and selection of media. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Mass Communication Discipline. T

#### COMM Introduction to Public Credits 2330 Relations 3

Exploration of the history and development of public relations. Presentation of the theory behind and process of public relations, including the planning, implementation, and evaluation of PR campaigns. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Mass Communication Discipline. T

## COMM Writing for Radio, Credits 2339 Television, & Film 3

Introduction to basic script formats, terminology, and writing techniques, including the writing of commercials, public service announcements, promotions, news, documentary, and fictional materials. (3:0). *Mass Communication Discipline*. **T** 

## COMM Film Appreciation Credits 2366 [C] 3

Survey and analyze cinema including history, film techniques, production procedures, selected motion pictures, and cinema's impact on and reflection of society. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Mass Communication Discipline. T

## COMM Academic Cooperative: Credits 2389 Media Internship 3

An instructional program designed to integrate on-campus study with practical hands-on work experience. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of communication. Students interested in pre-professional experience should enroll in this course. Students must secure an internship prior to the first day of class. To review a list of possible Mass Communication internships, please contact EPCC Career and Transfer Services at 915-831-2636 or visit Room S16 in the Student Services Center at the Valle Verde Campus. (1:5). Lab fee. Mass Communication Discipline. T

## COSC Introduction to Credits 1301 Computing 3

Overview of computer systems - hardware, operating systems, the internet, and application software including word processing, spreadsheets, presentation graphics, and databases. Current topics such as the effect of computers on society, and the history and use of computers in business, educational, and other interdisciplinary settings are also studied. This course is not intended to count toward a student's major field of study in business or computer science. Many universities may require a grade of "C" or better to apply this course as a transfer credit. (3:1). *Computer Science Discipline*. **T** 

## COSC C Programming Credits 1320 3

Introduces the fundamental concepts of structured programming in the C language. Topics include data types; control structures; functions, structures, arrays, pointers, pointer arithmetic, unions, and files; the mechanics of running, testing, and debugging programs; introduction to programming; and introduction to the historical and social context of computing. (3:1). Lab fee. Computer Science Discipline. **T** 

#### COSC Programming Credits 1436 Fundamentals I 4

Introduces the fundamental concepts of structured programming and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (4:1). Lab fee. Computer Science Discipline. T

## COSC Programming Credits 1437 Fundamentals II 4

This course focuses on the object-oriented programming paradigm, emphasizing the definition and use of classes along with fundamentals of object-oriented design. The course includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering processes. Students will apply techniques for testing and debugging software. Prerequisite: COSC 1436. (4:1). Lab fee. Computer Science Discipline. **T** 

#### COSC Programming Credits 2336 Fundamentals III 3

Further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms. Topics include data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), searching, sorting, recursion, and algorithmic analysis. Programs will be implemented in an appropriate object oriented language. **Prerequisite: COSC 1437.** (3:1). **Lab fee.** *Computer Science Discipline.* **T** 

## COSC Computer Credits 2425 Organization 4

The organization of computer systems is introduced using assembly language. Topics include basic concepts of computer architecture and organization, memory hierarchy, data types, computer arithmetic, control structures, interrupt handling, instruction sets, performance metrics, and the mechanics of testing and debugging computer systems. Embedded systems and device interfacing are introduced. **Prerequisite: COSC 1436. (4:1). Lab fee.** *Computer Science Discipline.* **T** 

#### CRIJ Introduction to Credits 1301 Criminal Justice 3 [F]

This course provides a historical and philosophical overview of the American criminal justice system, including the nature, extent, and impact of crime; criminal law; and justice agencies and processes. Prerequisite: Placement at collegelevel English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Criminal Justice Discipline. T

## CRIJ Court Systems & Practices Credits 1306 [F] 3

This course is a study of the court system as it applies to the structures, procedures, practices and sources of law in American courts, using federal and Texas statutes and case law. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Criminal Justice Discipline. **T** 

## CRIJ Crime in Credits 1307 America 3

American crime problems in historical perspective, social and public policy factors affecting crime, impact and crime trends, social characteristics of specific crimes, and prevention of crime. (3:0). *Criminal Justice Discipline.* **T** 

## CRIJ Fundamentals of Criminal Law Credits 1310 [F] 3

This course is the study of criminal law including application of definitions, statutory elements, defenses and penalties using Texas statutes, the Model Penal Code, and case law. The course also analyzes the philosophical and historical development of criminal law and criminal culpability. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Criminal Justice Discipline. **T** 

## CRIJ Juvenile Justice Credits 1313 System 3

A study of the juvenile justice process to include specialized juvenile law, role of the juvenile law, role of the juvenile courts, role of police agencies, role of correctional agencies, and theories concerning delinquency. (3:0). *Criminal Justice Discipline*. **T** 

#### CRIJ Community Resources Credits 2301 in Corrections 3

An introductory study of the role of the community in corrections; community programs for adults and juveniles; administration of community programs; legal issues; future trends in community treatment. (3:0). *Criminal Justice Discipline*. **T** 

# CRIJ Correctional Systems Credits 2313 & Practices 3 [F]

This course is a survey of institutional and non-institutional corrections. Emphasis will be placed on the organization and operation of correctional systems; treatment and rehabilitation; populations served; Constitutional issues; and current and future issues. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Criminal Justice Discipline. T

#### CRIJ Criminal Credits 2314 Investigation 3

Investigative theory; collection and preservation of evidence; sources of information; interview and interrogation; uses of forensic sciences; case and trial preparation. (3:0). *Criminal Justice Discipline.* **T** 

## CRIJ Legal Aspects of Credits 2323 Law Enforcement 3

Police authority; responsibilities; constitutional constraints; laws of arrest, search, and seizure; and police liability. (3:0). *Criminal Justice Discipline.* **T** 

## CRIJ Police Systems & Practices Credits 2328 [F] 3

This course examines the establishment, role and function of police in a democratic society. It will focus on types of police agencies and their organizational structure, police-community interaction, police ethics, and use of authority. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Criminal Justice Discipline. **T** 

#### CRTR Introduction to Credits 1201 Captioning/CART 2

Introduction to the fields of captioning and Communication Access Realtime Translation (CART). Topics include the American Disabilities Act (ADA), employment opportunities, and industry software and hardware. (2:1). Lab fee. Court Reporting Discipline. W

#### CRTR Law and Legal Credits 1202 Terminology 2

Instruction in civil and criminal judicial systems (discovery, trial and appellate processes), and the legal terms used in court reporting. (2:0). Court Reporting Discipline. **W** 

#### CRTR Captioning Credits 1241 Technology I 2

Overview of captioning and Communication Access Realtime Translation (CART) procedures, software and hardware. **Prerequisites: CRTR 1314 and CRTR 1406.** (2:1). Lab fee. Court Reporting Discipline. **W** 

#### CRTR Captioning Credits 1242 Technology II 2

Hands-on skill development in captioning/Communication Access Realtime Translation (CART) for various assignments. **Prerequisite: CRTR 1241. (2:1). Lab fee.** *Court Reporting Discipline.* **W** 

## CRTR Realtime Court Credits 1308 Reporting I 3

Development of computer and machine shorthand skills necessary for writing realtime for production of projects and assignments. **Prerequisites: CRTR 1314 and CRTR 1404.** (3:1). **Lab fee.** *Court Reporting Discipline.* **W** 

## CRTR Court Reporting Credits 1312 Communications I 3

Study of the basic rules of English grammar, spelling, punctuation, capitalization, and proofreading skills as they apply to court reporting. (3:0). *Court Reporting Discipline*.

### CRTR Court Reporting Credits 1314 Technology I 3

Introduction to computer-aided transcription systems. (3:1). Lab fee. Court Reporting Discipline. **W** 

#### CRTR Captioning Credits 1346 Reporting I 3

Introduction to realtime/captioning procedures. Topics include specialized vocabulary (legal, medical, media, education, etc.), utilizing realtime/caption equipment, the psychology for writing realtime, and the procedures for operation of realtime/captioning software and hardware. **Prerequisites: CRTR 1314 and CRTR 1406**. (3:1). **Lab fee.** *Court Reporting Discipline*. **W** 

## CRTR Machine Credits 1404 Shorthand I 4

Instruction in general principles of realtime machine shorthand theory and skill building through read-back of dictation notes, machine practice, and transcription. To exit this course, students must write on a stenographic machine with the minimum speed stated in the syllabus and pass the appropriate assessments with 95% accuracy. This course is designed to be repeated to meet program requirements. (4:1). Lab fee. Court Reporting Discipline. **W** 

## CRTR Machine Credits 1406 Shorthand II 4

Continued development of realtime shorthand skills through read-back, machine practice, and transcription. To exit this course, students must write on a stenographic machine with the minimum speed stated in the syllabus and pass the appropriate assessments with 95% accuracy. This course is designed to be repeated to meet program standards. **Prerequisite: CRTR 1404. (4:1). Lab fee.** *Court Reporting Discipline.* **W** 

## CRTR Court Reporting Credits 2311 Communications II 3

In-depth coverage of grammar, spelling, punctuation, capitalization, vocabulary, and proofreading skills necessary to produce transcripts. **Prerequisite: CRTR 1312. (3:0).** *Court Reporting Discipline.* **W** 

## CRTR Court Reporting Credits 2312 Procedures 3

Instruction in the role of the court reporter in court proceedings and/or depositions. **Prerequisites: CRTR 1202 and CRTR 1406.** (3:0). *Court Reporting Discipline.* **W** 

## CRTR Court Reporter Credits 2331 Certification Preparation 3

Preparation for taking the Texas Certified Shorthand Reporter and the Registered Professional Reporter examinations through the use of mock examinations. To exit this course, students must write on a stenographic machine with the minimum speed stated in the syllabus and pass the appropriate assessments with 95% accuracy. This course is designed to be repeated. **Prerequisite: CRTR 2435. (3:1).** Lab fee. Court Reporting Discipline. **W** 

## CRTR Captioning Credits 2333 Reporting II 3

In-depth study of realtime/captioning. Topics include the techniques utilized in writing seminars, conferences, conventions, and broadcast environments. **Prerequisite: CRTR 1346. (3:1). Lab fee.** *Court Reporting Discipline.* **W** 

# CRTR Preparation for the 2371 Certified Realtime 3 Captioner (CRC)

Preparation for taking the Certified Realtime Captioner Written Exam, which consists of knowledge of technical aspects of writing realtime, advanced knowledge of language skills, understanding of the CART and Broadcast captioning environments, and the ability to effectively conduct research. Prerequisites: CRTR 1242 and CRTR 2333. (3:0). Court Reporting Discipline. W

## CRTR Cooperative Education- Credits 2380 Court Reporting/ 3 Court Reporter

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. **Prerequisites: CRTR 2312 and CRTR 2403. (1:15).** *Court Reporting Discipline.* **W** 

## CRTR Intermediate Machine Credits 2401 Shorthand 4

Continued development of realtime machine shorthand skills through read-back, machine practice, and transcription. To exit this course, students must write on a stenographic machine with the minimum speed stated in the syllabus and pass the appropriate assessments with 95% accuracy. This course is designed to be repeated multiple times to meet program standards. **Prerequisite: CRTR 1406. (3:4). Lab fee.** *Court Reporting Discipline.* **W** 

#### CRTR Advanced Machine Credits 2403 Shorthand 4

In-depth coverage of realtime machine shorthand theory and continued skill building through read-back, machine practice, and transcript production. To exit this course, students must write on a stenographic machine with the minimum speed stated in the syllabus and pass the appropriate assessments with 95% accuracy. This course may be repeated multiple times until machine shorthand standards are met. **Prerequisite: CRTR 2401. (3:4). Lab fee.** Court Reporting Discipline. **W** 

## CRTR Accelerated Credits 2435 Machine Shorthand 4

Mastery of high-speed dictation including read-back, machine practice, and transcription. To exit this course, students must write on a stenographic machine with the minimum speed stated in the syllabus and pass the appropriate assessments with 95% accuracy. This course may be repeated multiple times until machine shorthand standards are met. **Prerequisite: CRTR 2403. (3:4). Lab fee.** *Court Reporting Discipline.* **W** 

## CSME Orientation to Credits 1430 Nail Technology 4

An overview of the fundamental skills and knowledge necessary for the field of nail technology. Prerequisites: CSME 1505 and CSME 1443. (2:5). Lab fee. Professional Practice Insurance required. Cosmetology Discipline. W

## CSME Manicuring and Credits 1443 Related Theory 4

Presentation of the theory and practice of nail services. Topics include terminology, application, and workplace competencies related to nail services. Corequisites: CSME 1505 and CSME 1553. (2:5). Lab fee. Professional Practice Insurance required. Cosmetology Discipline. W

#### CSME Principles of Skin Care/Facials Credits 1447 and Related Theory 4

In-depth coverage of the theory and practice of skin care, facials, and cosmetics. Prerequisite: CSME 1505. (2:5). Lab fee. Professional Practice Insurance required. Cosmetology Discipline. W

## CSME Fundamentals of Credits 1505 Cosmetology 5

A course in the basic fundamentals of cosmetology. Topics include safety and sanitation, service preparation, manicure, facial, chemical services, shampoo, haircut, wet styling, and comb out. Corequisites: CSME 1443 and CSME 1553. (3:6). Lab fee. Professional Practice Insurance required. Cosmetology Discipline. W

#### CSME Chemical Reformation Credits 1553 and Related Theory 5

Presentation of the theory and practice of chemical reformation including terminology, application, and workplace competencies. Corequisites: CSME 1443 and CSME 1505. (3:4). Lab fee. Professional Practice Insurance required. Cosmetology Discipline. W

## CSME Advanced Cosmetology Credits 2237 Techniques 2

Mastery of advanced cosmetology techniques including hair designs, professional cosmetology services, and workplace competencies. Prerequisites: CSME 1443 and CSME 1430 and CSME 1447 and CSME 1505 and CSME 1553 and CSME 2401 and CSME 2410. (1:3). Lab fee. Professional Practice Insurance required. Cosmetology Discipline. W

### CSME The Principles of Hair Credits 2401 Coloring and Related Theory 4

Presentation of the theory, practice, and chemistry of hair color. Topics include terminology, application, and workplace competencies related to hair color. Prerequisite: CSME 1505. (2:5). Lab fee. Professional Practice Insurance required. Cosmetology Discipline. W

## CSME Advanced Haircutting Credits 2410 and Related Theory 4

Advanced concepts and practice of haircutting. Topics include utilizing scissors, razor, and/or clippers. Prerequisite: CSME 1505. (3:3). Lab fee. Professional Practice Insurance required. Cosmetology Discipline. W

## CSME Advanced Hair Credits 2439 Design 4

Advanced concepts in the theory and practice of hair design. Prerequisites: CSME 1430 and CSME 1447 and CSME 1505 and CSME 2401 and CSME 2410. (3:4). Lab fee. Professional Practice Insurance required. Cosmetology Discipline. W

## CSME Preparation for the State 2541 Licensing Examination 5

Preparation for the state licensing examination. A passing grade is required in this course to qualify for the state licensing examination. Prerequisite: CSME 1505. (3:4). Lab fee. Professional Practice Insurance required. Cosmetology Discipline. W

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## DAAC Substance-Related and Credits 1319 Addictive Disorders 3

An overview of causes and consequences of substance-related and addictive disorders, the major drug classifications, and the counselor's code of ethics. Introduces various models which explain the etiology of addiction and addresses current addiction policies and programs. (3:0). Social Work Discipline. **W** 

## DAAC Counseling Alcoholand Credits 2341 Other Drug Addictions 3

Advanced examination of knowledge, skills, attitudes, techniques, confidentiality and ethical guidelines applied in the counseling, treatment, prevention, and recovery of substance use disorders. (3:0). Social Work Discipline. **W** 

#### DAAC Current Credits 2343 Issues 3

Examination of current issues related to substance use and addictive disorders. (3:0). Social Work Discipline. W

## DANC Tap Credits 1110 Dance 1

Instruction in the fundamental techniques and concepts associated with Tap dance. May be repeated for credit once. (1:1). *Dance Discipline*. **T** 

## DANC Ballroom & Social Credits 1128 Dance 1

Introductory instruction in the fundamental techniques and concepts associated with Ballroom and Social Dance. May be repeated for credit once. (1:1). *Dance Discipline*. **T** 

#### DANC Freshman Dance Credits 1151 Performance 1

Instruction in dance performance through experiential projects at the freshman level. May be repeated for credit once. Requires an audition to register for this course. Auditions are held during the second week of each semester (one week before course start date). (0:3). Dance Discipline. **T** 

## DANC Dance Composition-1201 Improvisation 2

This introductory course in improvisation will investigate spontaneous problem solving as a means of generating movement for dance composition. Students will be called upon to explore and respond to various forms of stimuli in a safe and supportive learning environment within solo and group work. (2:1). Dance Discipline. **T** 

#### DANC Beginning Credits 1241 Ballet 2

Instruction in the fundamental techniques and concepts associated with ballet. May be repeated for credit once. (2:1).  $Dance\ Discipline.\ T$ 

## DANC Beginning Modern Credits 1245 Dance 2

Instruction in the fundamental techniques and concepts associated with the concert form of modern dance. May be repeated for credit once. (2:1). Dance Discipline. **T** 

#### DANC Beginning Jazz Credits 1247 Dance 2

Instruction in the fundamental techniques and concepts associated with jazz dance. May be repeated for credit once. (2:1). Dance Discipline. T

#### DANC Dance Composition-1301 Choreography 3

This course is an examination of the principles of movement generation, phrasing, choreographic structure, and manipulation. Integration of choreographic principles will foster the growth of personal artistic style. **Prerequisite: DANC 1201. (3:1).** *Dance Discipline.* **T** 

#### DANC Sophomore Dance Credits 2151 Performance 1

Instruction in dance performance through experiential projects at the sophomore level. May be repeated for credit once. Requires an audition to register for this course. Auditions are held during the second week of each semester (one week before course start date). (0:3). Dance Discipline. **T** 

## DANC Intermediate Credits 2241 Ballet 2

Instruction in the intermediate techniques and concepts associated with ballet. May be repeated for credit once. Requires instructor's approval. (2:1). Dance Discipline. **T** 

### DANC Intermediate Modern Credits 2245 Dance 2

Instruction in the intermediate techniques and concepts associated with the concert form of modern dance. May be repeated for credit once. Requires instructor's approval. (2:1). *Dance Discipline.* **T** 

### DANC Intermediate Jazz Credits 2247 Dance 2

Instruction in the intermediate techniques and concepts associated with jazz dance. May be repeated for credit once. **(2:1).** *Dance Discipline.* **T** 

## DANC Dance Appreciation Credits 2303 [C] 3

A general survey of dance forms designed to create an appreciation of the vocabulary, techniques, and purposes of the creative process. This course includes critical interpretation and evaluations of choreographic works and dance forms within cultural and historical contexts. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Dance Discipline. T

## DEMR Basic Electrical Credits 1305 Systems 3

Basic principles of electrical systems of diesel powered equipment with emphasis on starters, alternators, and batteries. (2:3). Lab fee. Diesel Technology Discipline. **W** 

## DEMR Diesel Credits 1306 Engine I 3

An introduction to the basic principles of diesel engines and systems. (2:3). Lab fee. Diesel Technology Discipline. W

## DEMR Fuel Credits 1313 Systems 3

Overview of diesel fuel systems and related components. (2:3). Lab fee. Diesel Technology Discipline. W

#### DEMR Basic Brake Credits 1317 Systems 3

Basic principles of brake systems. Emphasis on maintenance, repairs, and troubleshooting. (2:3). Lab fee. *Diesel Technology Discipline*.

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# DEMR Heating, Ventilation, and Credits 1323 Air Conditioning (HVAC) 3 Troubleshooting and Repair

Introduction to heating, ventilation, and air conditioning theory, testing, and repair. Emphasis on refrigerant reclamation, safety procedures, specialized tools, and repairs. (2:3). Lab fee. Diesel Technology Discipline. **W** 

#### DEMR Tractor Trailer Credits 1327 Service and Repair 3

An introduction to and familiarization with components and systems related to tractor trailer service. Emphasis on records required by the Department of Transportation. (2:3). Lab fee. Diesel Technology Discipline. **W** 

## DEMR Preventative Credits 1329 Maintenance 3

An intermediate course designed to provide the student with basic knowledge of proper servicing practices. Content includes record keeping and condition of major systems. (1:4). Lab fee. Diesel Technology Discipline. W

#### DEMR Steering and Credits 1330 Suspension I 3

A study of design, function, maintenance, and repair of steering and suspension systems. Emphasis on troubleshooting and repair of failed components. (1:4). Lab fee. Diesel Technology Discipline. W

## DEMR Basic Credits 1416 Hydraulics 4

Fundamentals of hydraulics including components and related systems. (3:2). Lab fee. Diesel Technology Discipline. W

## DEMR Power Credits 1421 Train I 4

Fundamental repair and theory of power trains including clutches, transmissions, drive shafts, and differentials. Emphasis on inspection and repair. (3:2). Lab fee. Diesel Technology Discipline. W

#### DEMR Diesel Credits 1449 Engine II 4

An in-depth coverage of disassembly, repair, identification, evaluation, and reassembly of diesel engines. **Prerequisite: DEMR 1306. (3:2). Lab fee.** *Diesel Technology Discipline.* **W** 

#### DEMR Cooperative Education- Diesel Credits 2280 Mechanics Technology/ 2 Technician

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1:7). Diesel Technology Discipline. **W** 

#### DEMR Advanced Diesel Tune-Up Credits 2334 and Troubleshooting 3

Advanced concepts and skills required for tune-up and troubleshooting procedures of diesel engines. Emphasis on the science of strategy-based diagnostics. **Prerequisite: DEMR 1329.** (2:2). Lab fee. *Diesel Technology Discipline.* W

#### DEMR Electronic Credits 2432 Controls 4

Intermediate skills in diagnostic and programming techniques of electronic control systems. **Prerequisite: DEMR 1305.** (3:2). Lab fee. *Diesel Technology Discipline.* **W** 

#### DFTG Basic Computer-Aided Credits 1309 Drafting 3

An introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinate systems, and plot/print to scale. (2:4). Lab fee. Computer Aided Design Discipline. W

## DFTG Architectural Drafting-1317 Residential 3

Preparation of architectural drawings for residential structures with emphasis on light frame construction methods, including architectural drafting procedures, practices, terms, and symbols. Corequisite: DFTG 1309. (2:4). Lab fee. Computer Aided Design Discipline. W

## DFTG Blueprint Reading and Credits 1325 Sketching 3

An introduction to reading and interpreting working drawings for fabrication processes and associated trades. Use of sketching techniques to create pictorial and multiple-view drawings. Students learn basic precision measuring techniques, thread systems and symbols used in industry. (2:2). Machining Technology Discipline. **W** 

## DFTG Civil Credits 1330 Drafting I 3

Preparation of civil drawings including drafting methods and principles used in civil engineering. (2:4). Lab fee. Computer Aided Design Discipline. **W** 

#### DFTG Mechanical Credits 1333 Drafting 3

Preparation of mechanical drawings including dimensioning and tolerances, sectioning techniques, orthographic projection, and pictorial drawings. **Corequisite: DFTG 1309. (2:4). Lab fee.**Computer Aided Design Discipline. **W** 

## DFTG Drafting for Specific Credits 1413 Occupations 4

Discussion of theory and practice with drafting methods and the terminology required to prepare working drawings in specific or various occupational fields. (3:3). Lab Fee. *Industrial Manufacturing Option Discipline*. **W** 

## DFTG Topographical Credits 2321 Drafting 3

Plotting of surveyor's field notes. Includes drawing elevations, contour lines, plan and profiles, and laying out traverses. **Prerequisite: DFTG 1309. (2:4). Lab fee.** *Computer Aided Design Discipline.* **W** 

#### DFTG Architectural Drafting-2328 Commercial 3

Preparation of architectural drawings for commercial structures with emphasis on construction methods, including architectural drafting procedures, practices, governing codes, accessibility requirements, terms and symbols. **Prerequisite: DFTG 1309. (2:4). Lab fee.** *Computer Aided Design Discipline.* **W** 

## DFTG Advanced Computer-Aided Credits 2332 Drafting 3

Application of advanced CAD techniques. **Prerequisite: DFTG** 1309. (2:4). Lab fee. *Computer Aided Design Discipline*. **W** 

## DFTG Solid Credits 2340 Modeling/Design 3

A computer-aided modeling course. Development of threedimensional drawings and models from engineering sketches and orthographic drawings and utilization of threedimensional models in design work. **Prerequisite: DFTG** 1309. (2:4). Lab fee. *Computer Aided Design Discipline*. **W** 

#### DFTG Cooperative Education-2380 Drafting and Design 3 Technology/Technician, General I

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. **Prerequisite: DFTG 1309.** (1:20). Computer Aided Design Discipline. **W** 

#### DFTG Technical Illustration Credits 2412 and Presentation 4

Study of pictorial drawings including isometrics, obliques, perspectives, charts, and graphs. Emphasis on rendering and using different media. **Prerequisite: DFTG 1309. (3:3). Lab fee.** *Computer Aided Design Discipline.* **W** 

#### DFTG Geometric Dimensioning Credits 2450 and Tolerancing 4

Geometric dimensioning and tolerancing, according to standards, application of various geometric dimensions and tolerances to production drawings. **Prerequisite: DFTG 1309.** (3:3). Lab fee. *Computer Aided Design Discipline.* W

#### DFTG 3D Credits 2471 Printing 4

Creates 3D printed models from drawings, sketches, and digital files. Students provide their own 3D printing supplies. **Prerequisite: DFTG 1309. (3:3). Lab fee.** *Computer Aided Design Discipline.* **W** 

#### DHYG Preventive Dental Credits 1127 Hygiene Care 1

The role of the dental hygienist as a therapeutic oral health care provider with emphasis on concepts of disease management, health promotion, communication, and behavior modification. A grade of "C" or better is required in this course to take the next course. Corequisites: BIOL 2404 and CHEM 1306 and 1106. (0:4). Lab fee. Dental Hygiene Discipline. W

#### DHYG General and Credits 1207 Dental Nutrition 2

General nutrition and nutritional biochemistry emphasizing the effect nutrition has on oral health. A grade of "C" or better is required in this course to take the next course. Prerequisites: DHYG 2161 and ENGL 1301 and PSYC 2301 or PSYC 2314. Corequisites: DHYG 1215 and DHYG 2231 and DHYG 2362. (2:1). Lab fee. Dental Hygiene Discipline. W

## DHYG Community Credits 1215 Dentistry 2

The principles and concepts of community public health and dental health education emphasizing community assessment, educational planning, implementation, and evaluation including methods and materials used in teaching dental health education in various community settings. A grade of "C" or better is required in this course to take the next course. Prerequisites: DHYG 2161 and ENGL 1301 and PSYC 2301 or PSYC 2314. Corequisites: DHYG 1207 and DHYG 2231 and DHYG 2362. (1:3). Lab fee. Dental Hygiene Discipline. W

## DHYG Pharmacology for the Credits 1235 Dental Hygienist 2

Classification of drugs and their uses, actions, interactions, side effects, contraindications, with emphasis on dental applications. A grade of "C" or better is required in this course to take the next course. Prerequisites: DHYG 1239 and DHYG 1301 and DHYG 1304 and DHYG 1431 and SPCH 1315 or SPCH 1318 or SPCH 1321. Corequisites: DHYG 1319 and DHYG 1261 and DHYG 1311 and DHYG 2201. (2:0). Dental Hygiene Discipline. W

#### DHYG General and Credits 1239 Oral Pathology 2

Disturbances in human body development, diseases of the body, and disease prevention measures with emphasis on the oral cavity and associated structures. A grade of "C" or better is required in this course to take the next course. Prerequisites: BIOL 2404 and CHEM 1306 and 1106 and DHYG 1127. Corequisites: DHYG 1301 and DHYG 1304 and DHYG 1431. (2:1). Lab fee. Dental Hygiene Discipline. W

## DHYG Clinical-Dental Hygiene/ Credits 1261 Hygienist I 2

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisites: DHYG 1239 and DHYG 1301 and DHYG 1304 and DHYG 1431 and SPCH 1315 or SPCH 1318 or SPCH 1321. Corequisites: DHYG 1319 and DHYG 1235 and DHYG 1311 and DHYG 2201. (0:12). Lab fee. Professional Practice Insurance required. Dental Hygiene Discipline. W

## DHYG Orofacial Anatomy, Credits 1301 Histology & Embryology 3

The histology and embryology of oral tissues, gross anatomy of the head and neck, tooth morphology, and individual tooth identification. A grade of "C" or better is required in this course to take the next course. Prerequisites: BIOL 2404 and CHEM 1306 and 1106 and DHYG 1127. Corequisites: DHYG 1239 and DHYG 1304 and DHYG 1431. (2:4). Lab fee. Dental Hygiene Discipline. W

#### DHYG Dental Credits 1304 Radiology 3

Fundamentals of oral radiography, including techniques, interpretation, quality assurance, and ethics. A grade of "C" or better is required in this course to take the next course. Prerequisites: BIOL 2404 and CHEM 1306 and 1106 and DHYG 1127. Corequisites: DHYG 1239 and DHYG 1301 and DHYG 1431. (2:4). Lab fee. Professional Practice Insurance required. Dental Hygiene Discipline. W

## DHYG Periodontology Credits 1311 3

Normal and diseased periodontium including the structural, functional, and environmental factors. Emphasis on etiology, pathology, treatment modalities, and therapeutic and preventive periodontics. A grade of "C" or better is required in this course to take the next course. Prerequisites: DHYG 1239 and DHYG 1301 and DHYG 1304 and DHYG 1431 and SPCH 1315 or SPCH 1318 or SPCH 1321. Corequisites: DHYG 1319 and DHYG 1235 and DHYG 1261 and DHYG 2201. (2:2). Lab fee. Dental Hygiene Discipline. W

## DHYG Dental Credits 1319 Materials 3

Physical and chemical properties of dental materials including the application and manipulation of the various materials used in dentistry. A grade of "C" or better is required in this course to take the next course. Prerequisites: DHYG 1239 and DHYG 1301 and DHYG 1304 and DHYG 1431 and SPCH 1315 or SPCH 1318 or SPCH 1321. Corequisites: DHYG 1235 and DHYG 1261 and DHYG 1311 and DHYG 2201. (2:4). Lab fee. Dental Hygiene Discipline. W

#### DHYG Preclinical Credits 1431 Dental Hygiene 4

Foundational knowledge for performing clinical skills and management of medical emergencies for patients with emphasis on procedures and rationale for performing dental hygiene care. Introduction to ethical principles as they apply to dental hygiene care. A grade of "C" or better is required in this course to take the next course. Prerequisites: BIOL 2404 and CHEM 1306 and 1106 and DHYG 1127. Corequisites: DHYG 1239 and DHYG 1301 and DHYG 1304. (2:8). Lab fee. Professional Practice Insurance required. Dental Hygiene Discipline. W

## DHYG Applied Community Credits 2102 Dentistry 1

Application of the principles and concepts of community public health and dental health education emphasizing community assessment, educational planning, implementation, and evaluation including methods and materials used in teaching dental health education in various community settings. A grade of "C" or better is required in this course to take the next course. Prerequisites: DHYG 1207 and DHYG 1215 and DHYG 2231 and DHYG 2362. Corequisites: DHYG 2253 and DHYG 2363. (0:3). Lab fee. Professional Practice Insurance required. Dental Hygiene Discipline. W

## DHYG Clinical-Dental Hygiene/ Credits 2161 Hygienist II 1

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisites: BIOL 2420 or BIOL 2421 and DHYG 1319 and DHYG 1235 and DHYG 1261 and DHYG 1311 and DHYG 2201. Corequisite: ENGL 1301. (0:6). Lab fee. Professional Practice Insurance required. Dental Hygiene Discipline. W

### DHYG Dental Credits 2201 Hygiene Care I 2

Dental hygiene care for the medically or dentally compromised patient including supplemental instrumentation techniques. A grade of "C" or better is required in this course to take the next course. Prerequisites: DHYG 1239 and DHYG 1301 and DHYG 1304 and DHYG 1431 and SPCH 1315 or SPCH 1318 or SPCH 1321. Corequisites: DHYG 1319 and DHYG 1235 and DHYG 1261 and DHYG 1311. (2:1). Lab fee. Dental Hygiene Discipline. W

## DHYG Dental Credits 2231 Hygiene Care II 2

A continuation of Dental Hygiene Care I. Dental hygiene care for the medically or dentally compromised patient including advanced instrumentation techniques. A grade of "C" or better is required in this course to take the next course. Prerequisites: DHYG 2161 and ENGL 1301 and PSYC 2301 or PSYC 2314. Corequisites: DHYG 1207 and DHYG 1215 and DHYG 2362. (2:1). Lab fee. Dental Hygiene Discipline. W

#### DHYG Dental Hygiene Credits 2253 Practice 2

Emphasis on the laws governing the practice of dentistry and dental hygiene, moral standards, and the ethical standards established by the dental hygiene profession. Practice settings for the dental hygienist, office operations, and preparation for employment, and introduction to the dental team. A grade of "C" or better is required in this course to take the next course. Prerequisites: DHYG 1207 and DHYG 1215 and DHYG 231 and DHYG 2362. Corequisites: DHYG 2102 and DHYG 2363. (2:1). Lab fee. Dental Hygiene Discipline. W

## DHYG Clinical-Dental Hygiene/ Credits 2362 Hygienist III 3

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisites: DHYG 2161 and ENGL 1301 and PSYC 2301 or PSYC 2314. Corequisites: DHYG 1207 and DHYG 1215 and DHYG 2231. (0:12). Lab fee. Professional Practice Insurance required. Dental Hygiene Discipline. W

#### DHYG Clinical-Dental Hygiene/ Credits 2363 Hygienist IV 3

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisites: DHYG 1207 and DHYG 1215 and DHYG 2231 and DHYG 2362. Corequisites: DHYG 2102 and DHYG 2253. (0:18). Lab fee. Professional Practice Insurance required. Dental Hygiene Discipline. W

## DMSO Introduction to Credits 1210 Sonography 2

An introduction to the profession of sonography and the role of the sonographer. Emphasis on medical terminology, ethical/legal aspects, written and verbal communication, and professional issues relating to registry, accreditation, professional organizations and history of the profession. A grade of "C" or better is required in this course to take the next course. (2:1). Lab fee. Diagnostic Medical Sonography Discipline. W

#### DMSO Intermediate Ultrasound Credits 1242 Physics 2

Continuation of Basic Ultrasound Physics. Includes interaction of ultrasound with tissues, mechanics of ultrasound production and display, various transducer designs and construction, quality assurance, bioeffects, and image artifacts. May introduce methods of Doppler flow analysis. A grade of "C" or better is required in this course to take the next course. **Prerequisite: DMSO 1302. (2:1). Lab fee. Physics Mock Exam fee.** *Diagnostic Medical Sonography Discipline.* **W** 

## DMSO Clinical-Diagnostic Medical Credits 1260 Sonography/Sonographer and Ultrasound Technician I

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. (0:12). Professional Practice Insurance required. Diagnostic Medical Sonography Discipline. W

### DMSO Basic Ultrasound Credits 1302 Physics 3

Basic acoustical physics and acoustical waves in human tissue. Emphasis on ultrasound transmission in soft tissues, attenuation of sound energy, parameters affecting sound transmission, and resolution of sound beams. A grade of "C" or better is required in this course to take the next course. (3:1). Lab fee. Diagnostic Medical Sonography Discipline. W

## DMSO Sonographic Credits 1355 Pathophysiology 3

Pathology and pathophysiology of the abdominal structures visualized with ultrasound. Includes abdomen and pelvis. A grade of "C" or better is required in this course to take the next course. Prerequisites: DMSO 1441 and DMSO 2405 and DSVT 1200. (3:0). Diagnostic Medical Sonography Discipline. W

## DMSO Abdominopelvic Credits 1441 Sonography 4

Normal anatomy and physiology of the abdominal and pelvic cavities as related to scanning techniques, transducer selection, and scanning protocols. A grade of "C" or better is required in this course to take the next course. **Prerequisite: DMSO 2405. (4:1). Lab fee. ABD Mock Exam fee.** *Diagnostic Medical Sonography Discipline.* **W** 

# DMSO Clinical-Diagnostic Medical Credits 1460 Sonography/Sonographer and Ultrasound Technician II

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. **Prerequisite: DMSO 1260. (0:24). Professional Practice Insurance required.** *Diagnostic Medical Sonography Discipline.* **W** 

# DMSO Practicum-(or Field Credits 2266 Experience)-Diagnostic 2 Medical Sonography/ Sonographer and Ultrasound Technician I

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course. Prerequisite: DMSO 1460. Corequisite: DSVT 1200. (0:18). Professional Practice Insurance required. Diagnostic Medical Sonography Discipline. W

#### DMSO Advanced Sonography Credits 2345 Practices 3

Exploration of advanced sonographic procedures and emerging ultrasound applications. A grade of "C" or better is required in this course to take the next course. **Prerequisites: DSVT 1200 and DMSO 1355 and DMSO 2353.** (3:0). *Diagnostic Medical Sonography Discipline.* **W** 

## DMSO Doppler Credits 2351 Physics 3

Doppler and hemodynamic principles relating to arterial and venous imaging and testing. A grade of "C" or better is required in this course to take the next course. **Prerequisite: DMSO 1242.** (3:1). **Lab fee.** *Diagnostic Medical Sonography Discipline.* **W** 

## DMSO Sonography of Credits 2353 Superficial Structures 3

Detailed study of normal and pathological superficial structures as related to scanning techniques, patient history and laboratory data, transducer selection, and scanning protocols. A grade of "C" or better is required in this course to take the next course. **Prerequisites: DSVT 1200 and DMSO 1441. (3:1).** *Diagnostic Medical Sonography Discipline.* **W** 

# DMSO Practicum-(or Field Credits 2366 Experience)-Diagnostic 3 Medical Sonography/ Sonographer and Ultrasound Technician III

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course. Prerequisite: DMSO 2367. (0:30). Professional Practice Insurance required. Diagnostic Medical Sonography Discipline. W

DMSO 2367	Practicum-(or Field	Credits 3
2307	Experience)-Diagnostic Medical Sonography/	3
	Sonographer and	
	Illtrasound Technician II	

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course. Prerequisite: DMSO 2266. (0:24). Professional Practice Insurance required. Diagnostic Medical Sonography Discipline. W

## DMSO Sonography of Credits 2405 Obstetrics/Gynecology 4

Detailed study of the pelvis and obstetrics/gynecology as related to scanning techniques, patient history and laboratory data, transducer selection, and scanning protocols as well as fetal abnormalities. A grade of "C" or better is required in this course to take the next course. **Prerequisite: DMSO 1210.** (4:1). Lab fee. OB/GYN Mock Exam fee. Diagnostic Medical Sonography Discipline. W

#### DNTA Communication and Credits 1202 Behavior in the Dental Office 2

The study of human interaction and communication in the dental office. Studies motivation and learning experiences as related to health professionals and human behavior. A grade of "C" or better is required in this course to take the next course. (2:0). Dental Assisting Discipline. **W** 

#### DNTA Preventive Credits 1245 Dentistry 2

The study of nutrition and preventable dental disease and community dental health. A grade of "C" or better is required in this course to take the next course. (1:2). Lab fee. *Dental Assisting Discipline*. **W** 

## DNTA Dental Office Credits 1251 Management 2

Use computers and/or manual systems to process dental information and interpret and practice learned dental office management skills. A grade of "C" or better is required in this course to take the next course. (1:3). Lab fee. Dental Assisting Discipline. W

#### DNTA Dental Credits 1301 Materials 3

Composition, properties, procedures and safety standards related to dental materials. Includes American Dental Association regulated standard precautions practiced in the lab and classroom settings. A grade of "C" or better is required in this course to take the next course. (2:3). Lab fee. Dental Assisting Discipline. W

## DNTA Dental Credits 1305 Radiology 3

Introduction to radiation physics, radiation protection, and the operation of radiographic equipment. Instruction in exposure, processing and mounting of dental radiographs, and study of federal and state safety and standard practices for the classroom and lab settings. A grade of "C" or better is required in this course to take the next course. (2:4). Lab fee. Dental Assisting Discipline. **W** 

## DNTA Dental Credits 1311 Science 3

A fundamental study of anatomical systems with emphasis placed on head and neck anatomy. Topics include the physiology, morphology, and embryology of the deciduous and the permanent teeth along with basic dental terminology. A grade of "C" or better is required in this course to take the next course. (3:1). Lab fee. Dental Assisting Discipline. W

#### DNTA Chairside Credits 1315 Assisting 3

A study of pre-clinical chairside assisting procedures, instrumentation, OSHA and other regulatory agencies' standards, infection and hazard control protocol, equipment safety and maintenance. A grade of "C" or better is required in this course to take the next course. **Corequisite: DNTA 1353.** (2:4). Lab fee. *Dental Assisting Discipline.* W

## DNTA Dental Assisting Credits 1353 Applications 3

An expanded study of dental assisting techniques with emphasis on four-handed dentistry and utilization of armamentarium for general practice and specialty procedures. A grade of "C" or better is required in this course to take the next course. Corequisite: DNTA 1315. (1:5). Lab fee. Professional Practice Insurance required. Dental Assisting Discipline. W

## DNTA Advanced Dental Credits 1447 Science 4

An advanced study of anatomical systems, pharmacology, oral pathology, and developmental abnormalities. A grade of "C" or better is required in this course to take the next course. **(4:0).** *Dental Assisting Discipline.* **W** 

## DNTA Seminar for the Credits 2230 Dental Assistant 2

Analysis of case studies during the clinical phase of practicum/clinical. A grade of "C" or better is required in this course to take the next course. (2:0). *Dental Assisting Discipline.* **W** 

## DNTA Advanced Dental Credits 2252 Radiology 2

Advanced radiographic procedures for specific and special needs patients. A grade of "C" or better is required in this course to take the next course. Prerequisite: DNTA 1305. (0:4). Lab fee. Professional Practice Insurance required. Dental Assisting Discipline. W

## DNTA Advanced Dental Credits 2350 Assisting Applications 3

An advanced study of dental assisting expanded functions with emphasis on four-handed dentistry utilization of tray setups for specific general practice and specialty procedures. A grade of "C" or better is required in this course to take the next course. **Prerequisite: DNTA 1353. (1:5) Lab fee.** *Dental Assisting Discipline.* **W** 

## DNTA Clinical-Dental Assisting/ Credits 2360 Assistant I 3

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisite: DNTA 1305. (0:18). Lab fee. Professional Practice Insurance required. Dental Assisting Discipline. W

#### DNTA Clinical-Dental Assisting/ Credits 2363 Assistant II 3

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisites: DNTA 2360 and DNTA 2252. (0:18). Lab fee. Professional Practice Insurance required. Dental Assisting Discipline. W

## DRAM Theater Credits 1120 Practicum I 1

Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. Provides hands-on experience with set construction. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (0:3). Lab fee. Theater Discipline. T

## DRAM Theater Credits 1121 Practicum II 1

Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. Provides hands-on experience with lighting and sound. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (0:3). Lab fee. Theater Discipline. **T** 

## DRAM Theater Appreciation Credits 1310 [C] 3

Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Theater Discipline. T

## DRAM Stagecraft I Credits 1330 3

Study and application of the methods and components of theatrical production that may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound, and theatrical management. Participation in the stagecraft aspects of production is required for all students registered for this course. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Theater Discipline. **T** 

## DRAM Acting I Credits 1351 3

An introduction to the fundamental principles and tools of acting as used in auditions, rehearsals, and performances. This may include ensemble performing, character and script analysis, and basic theater terminology. This exploration will emphasize the development of the actor's instrument: voice, body and imagination. Performance rehearsal lab participation is required for all students registered for this course. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Theater Discipline. T

## DRAM Acting II Credits 1352 3

Exploration and further training within the basic principles and tools of acting, including an emphasis on critical analysis of oneself and others. The tools include ensemble performing, character and script analysis, and basic theater terminology. This will continue the exploration of the development of the actor's instrument: voice, body and imagination. Performance rehearsal lab participation is required for all students registered for this course. **Prerequisite: DRAM 1351. (3:0).** *Theater Discipline.* **T** 

## DRAM Theater Credits 2120 Practicum III 1

Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. Provides hands-on experience with stage management. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (0:3). Lab fee. Theater Discipline. **T** 

## DRAM Theater Credits 2121 Practicum IV 1

Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (0:3). Lab fee. Theater Discipline. **T** 

## DRAM Stagecraft II Credits 2331 3

Continued study and application of methods and components of theatrical production that may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound and theatrical management. Participation in the stagecraft aspects of production is required for all students registered for this course. **Prerequisite: DRAM 1330. (3:0).** *Theater Discipline.* **T** 

#### DRAM Script Credits 2355 Analysis 3

Examination of foundational skills for understanding the structure and content of play scripts for interpretation and conceptualization in theater productions by directors, designers, actors, and technicians. Introduces students to significant plays in the history of dramatic literature in the playwright's social and cultural context. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Theater Discipline. T

## DRAM History of Theater I Credits 2361 3

Study of the history of the theater from primitive times through the Renaissance. (3:0). Theater Discipline.  $\bf T$ 

# DSAE Introduction to Credits 1203 Echocardiography 2 Techniques

An introduction to scanning techniques and procedures with hands-on experience in a lab setting. Emphasis is placed on the sonographic evaluation of the normal adult heart. A grade of "C" or better is required in this course to take the next course. (2:1). Lab fee. Echocardiography Discipline. W

DSAE	Practicum (or Field	Credits
1264	Experience)-Diagnostic	2
	Medical Sonography/	
	Sonographer and	
	Ultrasound Technician I	

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course. Prerequisite: DSAE 1203. (0:18). Professional Practice Insurance required. Echocardiography Discipline. W

DSAE	Practicum (or Field	Credits
1265	Experience)-Diagnostic	2
	Medical Sonography/	
	Sonographer and	
	Ultrasound Technician II	

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course. Prerequisite: DSAE 1264. (0:18). Professional Practice Insurance required. Echocardiography Discipline. W

DSAE	Practicum (or Field	Credits
1266	Experience)-Diagnostic	2
	Medical Sonography/	
	Sonographer and	
	Ultrasound Technician III	

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course. Prerequisite: DSAE 1265. (0:15). Professional Practice Insurance required. Echocardiography Discipline. W

DSAE	Practicum (or Field	Credits
1267	Experience)-Diagnostic	2
	Medical Sonography/	
	Sonographer and	
	Ultrasound Technician IV	

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course. Prerequisite: DSAE 1266. (0:18). Professional Practice Insurance required. Echocardiography Discipline. W

DSAE	Principles of Adult	Credits
1315	Echocardiography	3

An introduction to cardiovascular anatomy and physiology, including hemodynamics and spatial relationships of the normal adult heart. Topics include anatomical correlation of 2-D, M-Mode, and Doppler sonographic imaging. Scanning techniques are correlated and taught in the laboratory sessions. A grade of "C" or better is required in this course to take the next course. **Prerequisite: DSAE 1203. (3:1). Lab fee.** *Echocardiography Discipline.* **W** 

## DSAE Diagnostic Credits 1340 Electrocardiography 3

Cardiac testing including the techniques and interpretation of patient physical assessment. Covers electrocardiography, stress testing, Holter monitoring, vital signs, and cardiovascular pharmacology. A grade of "C" or better is required in this course to take the next course. **Prerequisite: DSAE 1203. (3:1). Lab fee.** *Echocardiography Discipline.* **W** 

# DSAE Practicum (or Field Credits 1367 Experience)-Diagnostic 3 Medical Sonography/ Sonographer and Ultrasound Technician V

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course. Prerequisite: DSAE 1267. (0:24). Professional Practice Insurance required. Echocardiography Discipline. W

#### DSAE Cardiovascular Credits 2303 Concepts 3

Anatomy, physiology, and pathophysiology of the cardiovascular system. Focuses on cardiac and vascular structural anatomy and relationships, electrical innervation, embryology, and hemodynamics of the heart and vascular system. Includes pathophysiology, etiology, pathology, signs, symptoms, risk factors, and treatment of cardiovascular diseases. A grade of "C" or better is required in this course to take the next course. **Prerequisite: DSAE 1315. (3:0).** *Echocardiography Discipline.* **W** 

#### DSAE Echocardiographic Credits 2304 Evaluation of Pathology I 3

Adult acquired cardiac pathologies. Topics include cardiovascular pathophysiology, quantitative measurements, and the application of 2-D, M-Mode, and Doppler. Recognition of the sonographic appearances of cardiovascular disease is stressed. A grade of "C" or better is required in this course to take the next course. **Prerequisite: DSAE 2303. (3:1). Lab fee.** *Echocardiography Discipline.* **W** 

## DSAE Echocardiographic Credits 2337 Evaluation of Pathology II 3

A continuation of Echocardiographic Evaluation of Pathology I with emphasis on cardiac disease. A discussion of quantitative measurements and application of 2-D, M-Mode, Doppler and recognition of the sonographic appearances of cardiac disease is stressed. A grade of "C" or better is required in this course to take the next course. **Prerequisite: DSAE 2304.** (3:1). **Lab fee.** *Echocardiography Discipline.* **W** 

#### DSVT Principles of Vascular Credits 1200 Technology 2

Introduction to non-invasive vascular technology modalities. Includes 2D imaging, Doppler, plethysmography, and segmental pressures. Emphasis on performing basic venous and arterial imaging and non-imaging exams. A grade of "C" or better is required in this course to take the next course. Prerequisites: DMSO 1302 and DMSO 1441 or DSAE 2303. (2:1). Lab fee. Diagnostic Medical Sonography Discipline. W



## ECON Introduction to Economics Credits 1301 [C] 3

A survey of microeconomic and macroeconomic principles for non-business majors. Microeconomic topics will include supply and demand, consumer behavior, price and output decisions by firms under various market structures, factor markets, market failures, international trade, and exchange rates. Macroeconomic topics will include national income, unemployment, inflation, business cycles, aggregate supply and demand, monetary and fiscal policy, and economic growth. This course will not satisfy the requirement of ECON 2301 or ECON 2302 and may not be taken for credit toward any Business degree plan. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Economics Discipline. T

## ECON Principles of Macroeconomics Credits 2301 [CF] 3

An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, fiscal policy and monetary policy. It is recommended that students successfully complete MATH 1324 before taking this course. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Economics Discipline. **T** 

## ECON Principles of Microeconomics Credits 2302 [CF] 3

Analysis of the behavior of individual economic agents, including consumer behavior and demand, producer behavior and supply, price and output decisions by firms under various market structures, factor markets, market failures, and international trade. It is recommended that students successfully complete MATH 1324 before taking this course. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Economics Discipline. T

## ECRD Electrocardiography Credits 1211 2

Fundamentals of cardiovascular anatomy and physiology. Includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities. A grade of "C" or better is required in this course to take the next course. Prerequisites: MDCA 1305 and MDCA 1310 and MDCA 1313 and MDCA 1409 and MDCA 1417. (1:3). Lab fee. Professional Practice Insurance required. Medical Assisting Technology Discipline. W

## EDUC Learning Framework Credits 1300 [C] 3

Provides the foundation for effective learning in Core Curriculum courses at El Paso Community College. A study of the research and theory in the psychology of learning, cognition, and motivation; factors that impact learning, and application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Educational Psychology Discipline. **T** 

# EDUC Introduction to the 1301 Teaching Profession 3 [F]

An enriched and integrated pre-service course and content experience that provides active recruitment and institutional support of students interested in a teaching career, especially in high need fields. The course provides students with opportunities to participate in early field observations at all levels of P-12 schools with varied and diverse student populations and provides students with support from college and school faculty, preferably in small cohort groups, for the purpose of introduction to and analysis of the culture of schooling and classrooms. Course content should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards; and the course must include a minimum of 16 contact hours of field experience in P-12 classrooms. The student must pass a criminal background check conducted by the School District while enrolled in the course. 30 volunteer hours are required. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:1). Teacher Preparation Discipline. **T** 

# EDUC Introduction to Special Credits 2301 Populations 3 [F]

An enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 16 contact hours of field experience in P-12 classrooms with special populations. The student must pass a criminal background check conducted by the School District while enrolled in the course. 30 volunteer hours are required. (3:1). Teacher Preparation Discipline. **T** 

#### EEIR National Electrical Credits 1309 Code 3

Interpretation of the National Electrical Code for residential, commercial, and industrial wiring. Emphasis on designing, constructing, and troubleshooting electrical systems. (3:1). Lab fee. Renewable Energy Technology Systems Discipline. W

## EEIR Electrical and Credits 2370 Electronics 3

Provides essential topics of electricity and electronics to understand various types of solar energy systems. Includes topics on Ohm's Law, DC/AC circuit analysis methodology, semiconductor devices and circuits, photovoltaic devices and applications, and power electronics. (2:3). Lab fee. Renewable Energy Technology Systems Discipline. W

## ELMT Solar Photovoltaic Credits 1302 Systems 3

Design and installation of solar photovoltaic systems and their applications. (2:3). Lab fee. Renewable Energy Technology Systems Discipline. W

## ELMT Solar Credits 1411 Fundamentals 4

Study of heat transference, motors, pumps and other mechanical devices; solid state switches; photovoltaic plates and energy conversion; thermal dynamics; and solar energy. (3:3). Lab fee. Renewable Energy Technology Systems Discipline. **W** 

## ELMT Electromechanical Credits 2341 Systems 3

Application of electromechanical systems. Emphasizes programmable control devices and solid state systems. (2:3). Lab fee. Renewable Energy Technology Systems Discipline. **W** 

## ELMT Industrial Credits 2433 Electronics 4

Devices, circuits, and systems primarily used in automated manufacturing and/or process control including computer controls and interfacing between mechanical, electrical, electronic, and computer equipment. Includes presentation of programming schemes. **Prerequisite: CETT 1407. (3:3). Lab fee.** *Industrial Manufacturing Option Discipline.* **W** 

#### ELPT Fundamentals of Credits 1320 Electricity II 3

Introduces alternating current (AC). Includes AC voltage, frequency, mechanical and electrical degrees, waveforms, resistors, capacitors, and inductors. Study of Ohm's Law, electrical symbols, ladder diagrams, and relay. (2:2). Lab fee. *Electrical Technology Discipline*. **W** 

## ELPT Introduction to Electrical Credits 1321 Safety and Tools 3

Safety rules and regulations. Includes the selection, inspection, use, and maintenance of common tools for electricians. Emphasis on OSHA and NEC code compliance. (3:1). Lab fee. Electrical Technology Discipline. W

#### ELPT National Electrical Credits 1325 Code I 3

An introductory study of the National Electric Code (NEC) for those employed in fields requiring knowledge of the Code. Emphasis on wiring design, protection, methods, and materials; equipment for general use; and basic calculations. (2:2). Electrical Technology Discipline. **W** 

## ELPT Motor Credits 1341 Control 3

Operating principles of solid-state and conventional controls along with their practical applications. Includes braking, jogging, plugging, safety interlocks, wiring, and schematic diagram interpretations. Introduces starting and stopping circuits and variable frequency drives. (2:2). Lab fee. *Electrical Technology Discipline*. **W** 

#### ELPT Introduction to Electrical Credits 1370 Blueprint Reading 3

Discusses the theory and the terminology required to interpret working drawings in the electrical field. Focuses on blueprint reading and implementing electrical installation requirements in residential, commercial and industrial applications per the National Electrical Code. Includes instruments of measurement, industry standards and procedures. (2:2). *Electrical Technology Discipline.* **W** 

## ELPT Fundamentals of Credits 1419 Electricity I 4

An introduction to basic direct current (DC) theory including electron theory and direct current applications. Introduction to single and 3 phase circuits. Emphasis on commercial and industrial components and systems. (2:4). Lab fee. *Electrical Technology Discipline*. **W** 

## ELPT National Electrical Credits 2325 Code II 3

In-depth coverage of the National Electrical Code (NEC) for those employed in fields requiring knowledge of the Code. Emphasis on wiring protection and methods, special conditions, and advanced calculations. Prepares students to take the Journeyman Electrical exam upon successful completion of all Texas Department of Licensing and Regulation requirements. It is highly recommended that students complete ELPT 1325 before registering for this course. (3:1). Electrical Technology Discipline. **W** 

#### ELPT Electrical Planning Credits 2337 and Estimating 3

Planning and estimating for residential, commercial, and industrial wiring systems. Includes a variety of electrical techniques. (3:1). Lab fee. *Renewable Energy Technology Systems Discipline*. **W** 

## ELTN Electrical Credits 1343 Troubleshooting 3

Maintenance, operation, troubleshooting, and repair of circuits of various residential, commercial, and industrial electrical systems. It is highly recommended that students complete ELPT 1341 before registering for this course. (2:2). Lab fee. *Electrical Technology Discipline.* **W** 

#### EMSP Pediatric Life Credits 1147 Support 1

Theory and skills necessary for the management of pediatric or neonatal emergencies. This course was designed to be repeated multiple times to improve student proficiency. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. (1:0). Emergency Medical Services Discipline. W

# EMSP Clinical-Emergency Medical Credits 1160 Technology/Technician 1 (EMT Paramedic) I

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Corequisite: EMSP 1501. (0:3). Professional Practice Insurance required. Emergency Medical Services Discipline. W

# EMSP Clinical-Emergency Medical Credits 1161 Technology/Technician 1 (EMT Paramedic) II

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. It is recommended that students take EMSP 1438 prior to or at the same time as this course. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Prerequisites: EMSP 1160 and EMSP 1501. Corequisite: EMSP 1356. (0:5). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

# EMSP Clinical-Emergency Medical Credits 1162 Technology/Technician 1 (EMT Paramedic) III

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Prerequisites: EMSP 1160 and EMSP 1161 and EMSP 1356 and EMSP 1438 and EMSP 1501. Corequisite: EMSP 1355. (0:5). Professional Practice Insurance required. Emergency Medical Services Discipline. W

# EMSP Clinical-Emergency Medical Credits 1163 Technology/Technician (EMT 1 Paramedic)

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. (0:3). Professional Practice Insurance required. Emergency Medical Services Discipline. W

## EMSP Trauma Credits 1355 Management 3

Knowledge and skills in the assessment and management of patients with traumatic injuries. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Prerequisites: EMSP 1160 and EMSP 1161 and EMSP 1356 and EMSP 1438 and EMSP 1501. Corequisite: EMSP 1162. (2:2). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

## EMSP Patient Assessment and Credits 1356 Airway Management 3

Knowledge and skills required to perform patient assessment, airway management, and artificial ventilation. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Prerequisites: EMSP 1160 and EMSP 1501. Corequisite: EMSP 1161. (2:3). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

## EMSP Introduction to Credits 1438 Advanced Practice 4

Fundamental elements associated with emergency medical services to include preparatory practices, pathophysiology, medication administration, and related topics. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Prerequisites: EMSP 1160 and EMSP 1501. (3:4). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

## EMSP Community Credits 1471 Paramedic 4

Addresses the critical shortages of health care professionals and services in rural and remote areas. The Community Paramedic (CP) will fill gaps in health care in underserved communities. Community Paramedics are members of a distinct community that plays an important role by assessing and evaluating community services and systems. The student will be trained in the design and delivery of a collaborative health approach to the community. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. (3:3). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

#### EMSP Emergency Medical Credits 1501 Technician 5

Preparation for certification as an Emergency Medical Technician (EMT). A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. Corequisite: EMSP 1160. (3:7). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

## EMSP Advanced Cardiac Credits 2135 Life Support 1

Theory and skills necessary for the management of cardiovascular emergencies as specified by the American Heart Association (AHA) guidelines. This course was designed to be repeated multiple times to improve student proficiency. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. (1:0). *Emergency Medical Services Discipline*. **W** 

## EMSP Assessment Based Credits 2143 Management 1

A summative experience covering comprehensive, assessment-based patient care management for the paramedic level. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Corequisite: EMSP 2266. (0:4). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

# EMSP Clinical-Emergency Medical Credits 2160 Technology/Technician (EMT Paramedic) IV

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Prerequisites: EMSP 1160 and EMSP 1161 and EMSP 1162 and EMSP 1355 and EMSP 1356 and EMSP 1438 and EMSP 1501 and EMSP 2305 and EMSP 2444 and EMSP 2306 or RNSG 1301. Corequisite: EMSP 2430. (0:5). Professional Practice Insurance required. Emergency Medical Services Discipline. W

## EMSP Clinical-Emergency Medical Credits 2163 Technology/Technician 1 (EMT Paramedic)

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. (0:3). Professional Practice Insurance required. Emergency Medical Services Discipline. W

# EMSP Practicum (or Field Credits 2266 Experience)-Emergency 2 Medical Technology/ Technician (EMT Paramedic)

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Prerequisites: EMSP 1356 and EMSP 1438 and EMSP 1161 and EMSP 1355 and EMSP 2305 and EMSP 1162. Corequisite: EMSP 2143. (0:15). Professional Practice Insurance required. Emergency Medical Services Discipline.

## EMSP EMS Credits 2305 Operations 3

Knowledge and skills to safely manage multi-casualty incidents and rescue situations; utilize air medical resources; identify hazardous materials and other specialized incidents. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Prerequisites: EMSP 1160 and EMSP 1501. (2:2). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

#### EMSP Emergency Credits 2306 Pharmacology 3

A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. (2:3). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

## EMSP Special Credits 2430 Populations 4

Knowledge and skills necessary to assess and manage ill or injured patients in diverse populations to include neonatology, pediatrics, geriatrics, and other related topics. It is recommended that students take EMSP 2534 prior to or at the same time as this course. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Prerequisites: EMSP 1160 and EMSP 1161 and EMSP 1162 and EMSP 1355 and EMSP 1356 and EMSP 1438 and EMSP 1501 and EMSP 2305 and EMSP 2444 and EMSP 2306 or RNSG 1301. Corequisite: EMSP 2160. (3:2). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

## EMSP Cardiology Credits 2444 4

Assessment and management of patients with cardiac emergencies. Includes single and multi-lead ECG interpretation. It is recommended that students take either EMSP 2306 or RNSG 1301 prior to or at the same time as this course. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Prerequisites: EMSP 1160 and EMSP 1161 and EMSP 1162 and EMSP 1355 and EMSP 1356 and EMSP 1438 and EMSP 2305. (3:3). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

## EMSP Critical Care Credits 2458 Paramedic 4

Prepares healthcare personnel to function as members of a critical care transport team. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. (3:3). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

## EMSP Medical Credits 2534 Emergencies 5

Knowledge and skills in the assessment and management of patients with medical emergencies, including medical overview, neurology, gastroenterology, immunology, pulmonology, urology, hematology, endocrinology, toxicology, and other related topics. A grade of "C" or better is required in this course to take the next course and/or for this course to be eligible for "course completion" credit or eligibility to take licensing exam. Prerequisites: EMSP 1160 and EMSP 1161 and EMSP 1162 and EMSP 1355 and EMSP 1356 and EMSP 1438 and EMSP 1501 and EMSP 2305 and EMSP 2444 and EMSP 2306 or RNSG 1301. (4:3). Lab fee. Professional Practice Insurance required. Emergency Medical Services Discipline. W

## ENGL Composition I Credits 1301 [CF] 3

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0311 or INRW 0313. (3:0). English Discipline. T

## ENGL Composition II Credits 1302 [CF] 3

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts (including artistic literature); systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions including the application of these to literature. **Prerequisite: ENGL 1301 with a "C" or better. (3:0).** *English Discipline.* **T** 

## ENGL Creative Credits 2307 Writing 3

Practical experience in the techniques of imaginative writing. May include fiction, nonfiction, poetry, screenwriting, or drama. **Prerequisite: ENGL 1301 with a "C" or better. (3:0).** *English Discipline.* **T** 

## ENGL Technical & Business Writing Credits 2311 [F] 3

Intensive study of and practice in professional settings. Focus on the types of documents necessary to make decisions and take action on the job, such as proposals, reports, instructions, policies and procedures, email messages, letters, and descriptions of products and services. Practice individual and collaborative processes involved in the creation of ethical and efficient documents. Prerequisite: ENGL 1301 with a "C" or better. (3:0). English Discipline. T

## ENGL British Literature I Credits 2322 [CF] 3

A survey of the development of British literature from the Anglo-Saxon period to the eighteenth century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. This course is strongly recommended for those pursuing a major in English at the baccalaureate level. **Prerequisite: ENGL 1301 with a "C" or better. (3:0).** *English Discipline.* **T** 

## ENGL British Literature II Credits 2323 [CF] 3

A survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. This course is strongly recommended for those pursuing a major in English at the baccalaureate level. ENGL 2322 is not required in order to enroll in ENGL 2323. **Prerequisite: ENGL 1301 with a "C" or better. (3:0).** *English Discipline.* **T** 

## ENGL World Literature I Credits 2332 [CF] 3

A survey of world literature from the ancient world through the sixteenth century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. All selections are read in English translations. **Prerequisite: ENGL 1301 with a "C" or better. (3:0).** *English Discipline.* **T** 

## ENGL World Literature II Credits 2333 [CF] 3

A survey of world literature from the seventeenth century to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. All selections are read in English translations. ENGL 2332 is not required in order to enroll in ENGL 2333. Prerequisite: ENGL 1301 with a "C" or better. (3:0). English Discipline. T

## ENGL Forms of Literature Credits 2341 [CF] 3

The study of one or more literary genres including, but not limited to, poetry, fiction, drama, and film. **Prerequisite:** ENGL 1301 with a "C" or better. (3:0). *English Discipline*. **T** 

## ENGL Mexican American Literature Credits 2351 [CF] 3

A survey of Mexican American/Chicanx literature from Mesoamerica to the present. Students will study literary works of fiction, poetry, drama, essays, and memoirs in relation to their historical, linguistic, political, regional, gendered, and cultural contexts. Texts will be selected from a diverse group of authors, literary movements, and media forms. Topics and themes may include the literary performance of identity and culture, aesthetic mediation of racialization, struggle and protest, and artistic activism. **Prerequisite: ENGL 1301 with a "C" or better.** (3:0). English Discipline. **T** 

#### ENGR Engineering Credits 1304 Graphics I 3

Introduction to computer-aided drafting using CAD software and sketching to generate two- and three-dimensional drawings based on the conventions of engineering graphical communication; topics include spatial relationships, multiview projections and sectioning, dimensioning, graphical presentation of data, and fundamentals of computer graphics. Prerequisite: MATH 1314 with a "C" or better or by placement by exam. (2:2). Lab fee. Engineering Discipline. T

## ENGR Engineering Mechanics2301 Statics 3

Basic theory of engineering mechanics, using calculus, involving the description of forces, moments, and couples acting on stationary engineering structures; equilibrium in two- and three-dimensions; free-body diagrams; friction; centroids; centers of gravity; and moments of inertia. Prerequisites: MATH 2314 (can be taken concurrently) and PHYS 2325 and 2125 with a "C" or better. (3:0). Engineering Discipline. T

## ENGR Engineering Mechanics- Credits 2302 Dynamics 3

Basic theory of engineering mechanics, using calculus, involving the motion of particles, rigid bodies, and systems of particles; Newton's Laws; work and energy relationships; principles of impulse and momentum; application of kinetics and kinematics to the solution of engineering problems. **Prerequisite: ENGR 2301 with a "C" or better. (2:2).** *Engineering Discipline.* **T** 

## ENGR Electrical Credits 2305 Circuits I 3

Principles of electrical circuits and systems. Basic circuit elements (resistance, inductance, mutual inductance, capacitance, independent and dependent controlled voltage, and current sources). Topology of electrical networks; Kirchhoff's laws; node and mesh analysis; DC circuit analysis; operational amplifiers; transient and sinusoidal steady-state analysis; AC circuit analysis; first- and second-order circuits; Bode plots; and use of computer simulation software to solve circuit problems. Prerequisites: MATH 2314 and PHYS 2325 and 2125 with a "C" or better. (3:0). Engineering Discipline. T

## ENGR Engineering Credits 2308 Economics 3

Methods used for determining the comparative financial desirability of engineering alternatives. Provides the student with the basic tools required to analyze engineering alternatives in terms of their worth and cost, an essential element of engineering practice. The student is introduced to the concept of the time value of money and the methodology of basic engineering economy techniques. The course will address some aspects of sustainability and will provide the student with the background to enable them to pass the Engineering Economy portion of the Fundamentals of Engineering exam. **Prerequisite: MATH 2413 with a grade of "C" or better. (3:0).** Engineering Discipline. **T** 

## ENGR Mechanics of Credits 2332 Materials 3

Stresses, deformations, stress-strain relationships, torsions, beams, shafts, columns, elastic deflections in beams, combined loading, and combined stresses. Prerequisites: ENGR 2301 and MATH 2413 and CHEM 1311 and 1111 with a "C" or better. (3:0). Engineering Discipline. T

#### ENGR Chemical Engineering Credits 2334 Thermodynamics I 3

Fundamental concepts of energy and thermodynamics (e.g., temperature, thermodynamic equilibrium, and heat) will be introduced; the course emphasizes techniques in the application of the fundamentals of thermodynamics to various processes as they frequently occur in chemical and bimolecular engineering. Provides the basic skills and tools necessary in designing and analyzing real-life engineering systems. Serves as preparation for other advanced courses in thermodynamics, energy conversion, heat transfer, etc. Prerequisites: MATH 2314 and ENGR 2302 with a grade of "C" or better (can be taken concurrently). (3:0). Engineering Discipline. T

## ENGR Introduction to Digital Credits 2406 Systems (Lecture + Lab) 4

Introduction to theory and design of digital logic, circuits, and systems. Number systems, operations and codes; logic gates; Boolean Algebra and logic simplification; Karnaugh maps; combinational logic; functions of combinational logic; flipflops and related devices; counters; shift registers; sequential logic; memory and storage. Basic laboratory experiments support theoretical principles of the course and include preparation of laboratory reports. **Prerequisite: MATH 1314 with a "C" or better or by placement exam. (3:3). Lab fee.** *Engineering Discipline.* **T** 

## ENTC Facility Operation and Credits 2414 Maintenance I 4

Management of the interaction among facility, people, equipment, operation, service, and maintenance. Includes building structure and interior elements, air conditioning, furniture, grounds, and waste management. (3:3). Lab fee. *Electrical Technology Discipline*. **W** 

## ENTC Facility Operation and Credits 2439 Maintenance II 4

Requirements of building electrical systems, fire codes, lighting distribution, power sources, alarm systems, and interior and exterior communication. **Prerequisite: ENTC 2414.** (3:3). **Lab fee.** *Electrical Technology Discipline.* **W** 

## ENVR Environmental Science I Credits 1301 (Lecture) 3

A survey of the forces, including humans, that shape our physical and biologic environment, and how they affect life on Earth. Introduction to the science and policy of global and regional environmental issues, including pollution, climate change, and sustainability of land, water, and energy resources. (3:0). Geology Discipline. **T** 

#### ENVR Environmental Science I Credits 1401 (Lecture + Lab) 4

A survey of the forces, including humans, that shape our physical and biologic environment, and how they affect life on Earth. Introduction to the science and policy of global and regional environmental issues, including pollution, climate change, and sustainability of land, water, and energy resources. (3:3). Lab fee. Biology Discipline. **T** 

#### EPCT Introduction to Credits 1311 Environmental Science 3

An overview of environmental science and current global concerns, and a brief history of environmental ethics, resource use, and conservation. Discussion of fundamental principles of resource economics and environmental health. (3:0). Renewable Energy Technology Systems Discipline. **W** 

## ESOL ESOL Oral Communication Credits 0325 I 3

Develops listening and speaking skills in speakers of languages other than English and prepares them to function in educational, vocational and/or personal English-speaking contexts in a multicultural, multilingual society. High Beginning level. May not be counted toward graduation requirements. A grade of "C" or better will be required for advancement to the next course. **Prerequisite: Assessment of English language proficiency.** (3:1). **Lab fee.** *English as a Second Language Discipline.* 

## ESOL ESOL Oral Communication Credits 0326 II 3

Develops listening and speaking skills in speakers of languages other than English and prepares them to function in educational, vocational and/or personal English-speaking contexts in a multicultural, multilingual society. Intermediate level. May not be counted toward graduation requirements. A grade of "C" or better will be required for advancement to the next course. **Prerequisite: Assessment of English language proficiency or ESOL 0325. (3:1). Lab fee.** English as a Second Language Discipline.

## ESOL ESOL Oral Communication III Credits 0327 3

Develops listening and speaking skills in speakers of languages other than English and prepares them to function in educational, vocational and/or personal English-speaking contexts in a multicultural, multilingual society. Advanced level. May not be counted toward graduation requirements. A grade of "C" or better will be required for advancement to the next course. **Prerequisite: Assessment of English language proficiency or ESOL 0326. (3:1). Lab fee.** English as a Second Language Discipline.

## ESOL ESOL Reading and Credits 0344 Vocabulary I 3

Develops English reading proficiency and vocabulary for academic, career, or personal purposes in speakers of languages other than English and prepares them to function in a multicultural, multilingual society. High Beginner level. May not be counted toward graduation requirements. A grade of "C" or better will be required for advancement to the next course. Prerequisite: Assessment of English language proficiency. (3:1). Lab fee. English as a Second Language Discipline.

## ESOL ESOL Reading and Credits 0345 Vocabulary II 3

Develops English reading proficiency and vocabulary for academic, career, or personal purposes in speakers of languages other than English and prepares them to function in a multicultural, multilingual society. Intermediate level. May not be counted toward graduation requirements. A grade of "C" or better will be required for advancement to the next course. Prerequisite: Assessment of English language proficiency or ESOL 0344. (3:1). Lab fee. English as a Second Language Discipline.

## ESOL Writing for Non-Native Credits 0354 Speakers I 3

Develops English reading proficiency and vocabulary for academic, career, or personal purposes in speakers of languages other than English and prepares them to function in a multicultural, multilingual society. High Beginner level. May not be counted toward graduation requirements. A grade of "C" or better will be required for advancement to the next course. Prerequisite: Assessment of English language proficiency. (3:1). Lab fee. English as a Second Language Discipline.

## ESOL Writing for Non-Native Credits 0355 Speakers II 3

Develops English reading proficiency and vocabulary for academic, career, or personal purposes in speakers of languages other than English and prepares them to function in a multicultural, multilingual society. Intermediate level. May not be counted toward graduation requirements. A grade of "C" or better will be required for advancement to the next course. Prerequisite: Assessment of English language proficiency or ESOL 0354. (3:1). Lab fee. English as a Second Language Discipline



## FCEL Fuel Cell and Alternative/ Credits 1305 Renewable Energy 3

Types and applications of alternative/renewable energy sources. Emphasizes fuel cell applications and processes, reformation of fuels, heat transfer, chemical reaction, power conditioning, combined heat and power, and distributed generation systems. (2:2). Lab fee. Renewable Energy Systems Technology Discipline. W

#### FIRS Firefighter Agility and Credits 1103 Fitness Preparation 1

Physical ability testing methods. Rigorous training in skills and techniques needed in typical fire department physical ability tests. (0:3). Fire Technology Discipline. **W** 

### FIRS Firefighter Credits 1401 Certification I 4

One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification II, III, IV, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION (TCFP).\*\* Prerequisites: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313; and FIRS 1103 and FIRT 1301 and FIRT 1319. Corequisites: FIRS 1407 and FIRS 1413 and FIRS 1419 and FIRS 1433. (3:4). Lab fee. Fire Technology Discipline. W

## FIRS Firefighter Credits 1407 Certification II 4

One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, III, IV, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION.\*\* Prerequisites: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313; and FIRS 1103 and FIRT 1301 and FIRT 1319. Corequisites: FIRS 1401 and FIRS 1413 and FIRS 1419 and FIRS 1433. (3:4). Lab fee.

Fire Technology Discipline. **W** 

#### FIRS Firefighter Credits 1413 Certification III 4

One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, II, IV, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION.\*\* Prerequisites: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313; and FIRS 1103 and FIRT 1301 and FIRT 1319. Corequisites: FIRS 1401 and FIRS 1407 and FIRS 1419 and FIRS 1433. (2:6). Lab fee. Fire Technology Discipline. W

## FIRS Firefighter Credits 1419 Certification IV 4

One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, II, III, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION (TCFP).\*\* Prerequisites: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313; and FIRS 1103 and FIRT 1301 and FIRT 1319. Corequisites: FIRS 1401 and FIRS 1407 and FIRS 1413 and FIRS 1433. (3:3). Lab fee. Fire Technology Discipline. W

## FIRS Firefighter Credits 1433 Certification VII 4

One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, II, III, and IV to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION (TCFP).\*\* Prerequisites: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313; and FIRS 1103 and FIRT 1301 and FIRT 1319. Corequisites: FIRS 1401 and FIRS 1407 and FIRS 1413 and FIRS 1419. (2:6). Lab fee. Fire Technology Discipline. W

## FIRS Driver/Operator-Pumper Credits 2344

Meets curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Driver/Operator-Pumper. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIEDAS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION\*\* (2:2). Lab fee. Fire Technology Discipline. **W** 

## FIRT Plan Credits 1202 Examiner 2

Course required for Plan Examiner certification. Meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Plan Examiner. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION.\*\* (2:1). Lab fee. Fire Technology Discipline. **W** 

### FIRT Fundamentals of Credits 1301 Fire Protection 3

Orientation to the fire service, career opportunities, and related fields. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements. (3:0). Fire Technology Discipline. **W** 

## FIRT Fire and Arson Credits 1303 Investigation I 3

Basic fire and arson investigation practices. Emphasis on fire behavior principles related to fire cause and origin determination. (3:0). Fire Technology Discipline. **W** 

## FIRT Public Education Credits 1305 Programs 3

Preparation of firefighters and fire officers to develop public fire safety awareness. Emphasis on implementation of fire and public safety programs in an effort to reduce the loss of life. (3:0). Fire Technology Discipline. **W** 

## FIRT Fire PreventionCodes Credits 1307 and Inspections 3

Local building and fire prevention codes. Fire prevention inspections, practices, and procedures. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements. (3:0). Fire Technology Discipline. **W** 

## FIRT Fire Administration I Credits 1309 3

Introduction to the organization and management of a fire department and the relationship of government agencies to the fire service. Emphasis on fire service leadership from the perspective of the company officer. (3:1). Lab fee. Fire Technology Discipline. **W** 

#### FIRT Hazardous Credits 1315 Materials I 3

The chemical characteristics and behavior of various materials. Storage, transportation, handling hazardous emergency situations, and the methods of hazard mitigation. (3:0). Fire Technology Discipline. **W** 

#### FIRT Firefighter Health Credits 1319 and Safety 3

Firefighter occupational safety and health in emergency and non-emergency situations. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements. (3:0). Fire Technology Discipline. **W** 

#### FIRT Building Construction Credits 1327 in the Fire Service 3

Components of building construction that relate to life safety. Includes relationship of construction elements and building design impacting fire spread in structures. Focuses on firefighter safety, preplanning fire operations, and operating at emergencies. (3:0). Fire Technology Discipline. **W** 

## FIRT Fire Protection Credits 1338 Systems 3

Design and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection, and portable fire extinguishers. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements. (3:0). Fire Technology Discipline. **W** 

## FIRT Fire Inspector II Credits 1340 3

One in a series of two courses required for Fire Inspector certification. Meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Inspector II. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION.\*\* (3:1). Lab fee. Fire Technology Discipline. W

## FIRT Fire Officer I Credits 1342 3

Meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Officer I certification. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION.\*\* Students must have instructor or Fire Technology Coordinator approval. (3:1). Lab fee. Fire Technology Discipline. W

## FIRT Fire Officer II Credits 1343 3

Meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Officer II certification. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION.\*\* Students must have instructor or Fire Technology Coordinator approval. (3:1). Lab fee. Fire Technology Discipline. W

## FIRT Legal Aspects of Credits 1353 Fire Protection 3

Summarize basic criminal and civil law; discuss relevant tort law; and describe state and federal legal systems as they relate to the fire service. (3:0). Fire Technology Discipline. **W** 

## FIRT Fire Inspector I Credits 1408 4

One in a series of two courses required for Fire Inspector certification. Meets the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Inspector I. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION.\*\* (3:3). Lab fee. Fire Technology Discipline. W

## FIRT Hazardous Credits 1445 Materials II 4

Mitigation practices and techniques to control hazardous material spills and leaks. **Prerequisite: FIRT 1315. (3:3). Lab fee.** *Fire Technology Discipline.* **W** 

## FIRT Fire Instructor I Credits 2305 3

Preparation of fire and emergency services personnel to deliver instruction from a prepared lesson plan. Includes the use of instructional aids and evaluation instruments to meet the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Instructor I certification. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION.\*\* (3:1). Lab fee. Fire Technology Discipline. **W** 

## FIRT Fire Instructor II Credits 2307 3

Development of individual lesson plans for a specific topic including learning objectives, instructional aids, and evaluation instruments. Includes techniques for supervision and coordination of activities of other instructors to meet the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Fire Instructor II certification. \*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION.\*\* (3:1). Lab fee. Fire Technology Discipline. **W** 

#### FIRT Firefighting Strategies Credits 2309 and Tactics I 3

Analysis of the nature of fire problems and selection of initial strategies and tactics including an in-depth study of efficient and effective use of staffing and equipment to mitigate the emergency. (3:0). Fire Technology Discipline. **W** 

## FIRT Firefighting Strategies Credits 2331 and Tactics II 3

Emphasis on the use of incident management in large scale command problems and other specialized fire incidents. **Prerequisite: FIRT 2309.** (3:0). *Fire Technology Discipline.* 

## FIRT Company Credits 2351 Fire Officer 3

A capstone course covering fire ground operations and supervisory practices. Includes performance evaluation of incident commander, safety officer, public information officer, and shift supervisor duties. (3:1). Lab fee. Fire Technology Discipline. W

#### FIRT Fire and Arson Credits 2433 Investigation II 4

Fire Investigation techniques and defense of findings in a courtroom setting. **Prerequisite: FIRT 1303. (3:3). Lab fee.** Fire Technology Discipline. **W** 

## FREN Beginning Credits 1411 French I 4

Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture. (3:2). Lab fee. Foreign Languages Discipline. **T** 

### FREN Beginning Credits 1412 French II 4

Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture. **Prerequisite: FREN 1411. (3:2). Lab fee.** Foreign Languages Discipline. **T** 

## FREN Intermediate Credits 2311 French I 3

Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture. **Prerequisite:** FREN 1412. (3:0). Foreign Languages Discipline. **T** 

## FREN Intermediate Credits 2312 French II 3

Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture. **Prerequisite:** FREN 2311. (3:0). Foreign Languages Discipline. **T** 

#### FSHD Fashion Credits 1311 History 3

Survey of the evolution of fashion change, traced through garment development from ancient times to present day. A study of customs and silhouettes of each historical period and their modern day adaptations. Emphasizes the roles that technology, politics, economics, art, and sociology play in fashion's continual change. (3:0). Fashion Technology Discipline. **W** 

## FSHD Fashion Credits 1322 Sketching 3

Fundamentals of quick sketching to communicate design ideas. Instruction in drawing the male and female fashion figure. Emphasis on simple methods for making quick sketches to illustrate style information. Explores concepts in the design of fashion apparel. (2:2). Lab fee. Fashion Technology Discipline. W

## FSHD Flat Pattern Credits 1328 Design I 3

An introduction to the creative design of clothing through the flat pattern method. General principles of pattern-making using the basic five piece dress sloper. A study of dart manipulation, slashing and spreading the pattern and contouring sew lines. (2:3). Lab fee. Fashion Technology Discipline. W

#### FSHD Fashion Illustration Credits 1346 Media 3

Skill development in fashion figure drawing with emphasis on fashion details and body movement. Instruction in illustrating a wide variety of clothing on the fashion model in various media including computer-aided techniques. **Prerequisite: FSHD 1322.** (2:2). **Lab fee.** *Fashion Technology Discipline.* **W** 

## FSHD Computer Aided Credits 2305 Apparel Design 3

Fundamentals of computerized pattern design and marker making, as they pertain to the industrial production of apparel products. (2:2). Lab fee. Fashion Technology Discipline. W

## FSHD Draping Credits 2306 (Fashion/Apparel Design) 3

A study of three-dimensional fashion design conceptualization by draping in muslin or fashion fabric directly on the dress form. Skill development in observing grain of fabric, identifying drapable fabrics, and creating designs suitable for draping. Emphasizes good design and commercial value. Presentation of major fashion designers' draping techniques. **Prerequisite:** FSHN 1315. (2:3). Lab fee. Fashion Technology Discipline. **W** 

## FSHD Fashion Collection Credits 2343 Design 3

Advanced concepts in designing a collection of marketable apparel. Instruction in developing a design work board for a specific target market and selecting the most marketable ideas for the collection. Emphasis on resource development, fabric selection, estimating wholesale costs, and initial pattern and garment production. (2:2). Lab fee. Fashion Technology Discipline. W

#### FSHD Fashion Collection Credits 2344 Production 3

A continuation of the Fashion Collection Design course. Emphasis on the production, costing, and marketing of a cohesive collection of fashion apparel. Instruction in completing production patterns for all collection garments. Prerequisites: FSHN 1301 and FSHN 1315 and FSHD 1322 and FSHD 1328 and FSHD 2343. Corequisite: FSHD 2371. (2:2). Lab fee. Fashion Technology Discipline. W

#### FSHD Apparel Product Credits 2371 Development 3

Studies advanced concepts in the development and production of apparel. Instructs in the assessment of production capabilities. Develops skills in sourcing, purchasing, and problem resolution. Emphasizes the use of computers in design, planning and production. Prerequisites: FSHN 1301 and FSHN 1315 and FSHD 1322 and FSHD 1328 and FSHD 2343. Corequisite: FSHD 2344. (2:2). Lab fee. Fashion Technology Discipline. W

## FSHN Textiles Credits 1301 3

A general study of textiles with emphasis on factors that affect the hand, appearance, and performance in clothing use. Examination of the fibers, yarns, dyeing, printing and finishing, methods of production, and the properties of a wide variety of fabrics. Application of textiles used in the apparel industry. (2:2). Lab fee. Fashion Technology Discipline. W

### FSHN Garment Credits 1311 Construction 3

Introduction to equipment, techniques, and skills used to construct apparel, including assembling various garment components. (2:2). Lab fee. Fashion Technology Discipline.

## FSHN Draping (Apparel and Textile 1315 Marketing Management) 3

Instruction in draping various designs on a dress form and translating the designs to a muslin pattern. Teaches students three-dimensional conceptualization and includes the construction of garments using patterns developed. (2:2). Lab fee. Fashion Technology Discipline. W

### FSHN Fashion Credits 2301 Promotion 3

A survey of fashion direction, publicity, and fashion event coordination. Emphasis on fashion event production from idea to runway including theme development, stage/set design, choreography, music coordination, lighting, line-up, model fittings, rehearsal, and press kit or portfolio development. **Prerequisite: FSHD 2343.** (2:2). **Lab fee.** *Fashion Technology Discipline.* **W** 

## FSHN Fashion Credits 2303 Buying 3

Fundamentals of fashion buying with instruction in planning, pricing, and purchasing retail fashion inventories. Identification of wholesale merchandise resources. Instruction in calculating retail math functions of buying. **Prerequisite: FSHN 2305. (3:0).** *Fashion Technology Discipline.* **W** 

#### FSHN Fashion Credits 2305 Retailing 3

An overview of retailing procedures used in various types of fashion companies. A study of operations, personnel, merchandising, sales promotion, and finance and control. Emphasizes profit and loss, pricing, markup, inventory control, shortages, forecasting, store organization, and events. Examination of job opportunities available in the retail fashion industry. Introduces product display and arrangement, emphasizing the principles and elements of design. (3:0). Fashion Technology Discipline. **W** 

#### FSHN Cooperative Education-2380 Apparel and Textile 3 Manufacture 3

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. **Prerequisite: FSHN 1322.** (1:15). *Fashion Technology Discipline.* **W** 

#### FSHN Cooperative Education-2382 Fashion Merchandising 3

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. **Prerequisites: FSHD 2343 and FSHN 1301. Corequisite: FSHN 2301. (1:15).** Fashion Technology Discipline. **W** 

# G

#### GEOL Earth Sciences for Non-1101 Science Majors I (Lab) 1

This laboratory-based course accompanies GEOL 1301, Earth Sciences I. Activities will cover methods used to collect and analyze data in geology, meteorology, oceanography, and astronomy. Corequisite: GEOL 1301. (0:2). Lab fee. Geology Discipline. **T** 

#### GEOL Earth Sciences for Non-Credits 1102 Science Majors II (Lab) 1

This laboratory-based course accompanies GEOL 1302, Earth Sciences II. Activities will focus on methods used to collect and analyze data related to natural resources, hazards, and climate variability. **Prerequisite:** GEOL 1101. Corequisite: GEOL 1302. (0:2). Lab fee. *Geology Discipline*. **T** 

## GEOL Physical Geology Credits 1103 (Lab) 1

This laboratory-based course accompanies GEOL 1303, Physical Geology. Laboratory activities will cover methods used to collect and analyze earth science data. **Corequisite: GEOL 1303.** (0:3). Lab fee. *Geology Discipline.* **T** 

## GEOL Historical Geology Credits 1104 (Lab) 1

This laboratory-based course accompanies GEOL 1304, Historical Geology. Laboratory activities will introduce methods used by scientists to interpret the history of life and major events in the physical development of Earth from rocks and fossils. Prerequisite: GEOL 1103. Corequisite: GEOL 1304. (0:3). Lab fee. *Geology Discipline*. **T** 

#### GEOL Earth Sciences for Non-1301 Science Majors I (Lecture) 3 [C]

Survey of geology, meteorology, oceanography, and astronomy. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. Corequisite: GEOL 1101. (3:0). Geology Discipline. **T** 

# GEOL Earth Sciences for Non-Credits 1302 Science Majors II (Lecture) 3 [C]

Extension of the study of geology, astronomy, meteorology, and oceanography, focusing on natural resources, hazards, and climate variability. Prerequisite: GEOL 1301 and 1101 or GEOL 1303 and 1103. Corequisite: GEOL 1102. (3:0). Geology Discipline. **T** 

## GEOL Physical Geology (Lecture) Credits 1303 [C] 3

Introduction to the study of critical materials and resources, and the physical processes that have modified and shaped the surface and interior of the Earth over time. These processes are described by theories based on experimental data and geologic data gathered from field observations. Intended for majors in science, engineering, or business; or for enhanced geological learning compared to GEOL 1301. Requires a one-day field trip and/or special project analysis. **Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. Corequisite: GEOL 1103. (3:0). Geology Discipline. <b>T** 

## GEOL Historical Geology Credits 1304 (Lecture) 3 [C]

A comprehensive survey of the history of life and major events in the physical development of Earth as interpreted from rocks and fossils. Intended for majors in science, engineering, or business. **Prerequisite: GEOL 1303 and 1103. Corequisite:** 

GEOL 1104. (3:0). Geology Discipline. T

## GERM Beginning Credits 1411 German I 4

Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture. (3:2). Lab fee. Foreign Languages Discipline. **T** 

#### GERM Beginning Credits 1412 German II 4

Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture. **Prerequisite: GERM 1411. (3:2). Lab fee.** *Foreign Languages Discipline.* **T** 

#### GOVT Introduction to Credits 2304 Political Science 3 [F]

Introductory survey of the discipline of political science focusing on the scope and methods of the field, and the substantive topics in the discipline including the theoretical foundations of politics, political interaction, political institutions and how political systems function. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). Government Discipline. T

# GOVT Federal Government (Federal Credits 2305 Constitution & Topics) 3

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties, and civil rights. Prerequisite: Placement at collegelevel English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). Government Discipline. **T** 

# GOVT Texas Government (Texas Credits 2306 Constitution & Topics) 3

Origin and development of the Texas constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). Government Discipline. T

#### GOVT Mexican American & Credits 2311 Latinx Politics 3 [F]

The study of Mexican American and Latinx politics within the American political experience. Topics include historical, cultural, socioeconomic, and constitutional issues that pertain to the study of Mexican Americans and other Latinx populations in the United States. Other topics such as political participation, governmental institutions, electoral politics, political representation, demographic trends, and other contemporary public policy debates will also be addressed. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). Government Discipline. T



## HAMG Introduction to the Casino Credits 1300 and Gaming Industry 3

Overview of casino and gaming operations including the economic impact on the hospitality industry and its surrounding community. (3:0). *Hotel Operations Discipline*.

## HAMG Front Office Credits 1313 Management 3

Functions of front office operations as they relate to customer service. Includes a study of front office interactions with other departments in the lodging operation. (3:1). *Hotel Operations Discipline.* **W** 

## HAMG Recreational Credits 1317 Services 3

The study of the recreation and entertainment industry. Emphasizes sporting and entertainment venues, tourism attractions, and other public and private sector special events. (3:0). *Hotel Operations Discipline*. **W** 

#### HAMG Introduction to Credits 1321 Hospitality Industry 3

An exploration of the elements and career opportunities within the multiple segments of the hospitality industry. Studies the industry's growth and development; the organization of food and beverages; hotel, travel, and tourism operations; career opportunities and future trends. (3:0). *Hotel Operations Discipline.* **W** 

## HAMG Hospitality Credits 1340 Legal Issues 3

A course in legal and regulatory requirements that impact the hospitality industry. Topics include Occupational Safety and Health Administration (OSHA), labor regulations, tax laws, tip reporting, franchise regulations, and product liability laws. (3:0). Hotel Operations Discipline. **W** 

## HAMG Guest Room Credits 1342 Management 3

A study of the working relationship among housekeeping, front office, and maintenance in the lodging industry. (3:0). *Hotel Operations Discipline.* **W** 

# HAMG Practicum (or Field Credits 2266 Experience)-Hospitality 2 Administration/Management, General

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. **Prerequisite: HAMG 1313. (0:14).** *Hotel Operations Discipline.* **W** 

## HAMG Hospitality Security Credits 2302 and Loss Prevention 3

Overview of the issues surrounding the need for security and loss prevention in the hospitality industry. (3:0). *Hotel Operations Discipline*. **W** 

## HART Basic Electricity Credits 1401 For HVAC 4

Principles of electricity as required by HVAC, including proper use of test equipment, electrical circuits, and component theory and operation. (3:3). Lab fee. Heating, Ventilation, and Air Conditioning Discipline. W

#### HART Air Conditioning Credits 1403 Control Principles 4

A basic study of HVAC and refrigeration controls; troubleshooting of control components; emphasis on use of wiring diagrams to analyze high and low voltage circuits; a review of Ohm's law as applied to air conditioning controls and circuits. **Prerequisite: HART 1401. (3:3). Lab fee.** *Heating, Ventilation, and Air Conditioning Discipline.* **W** 

## HART Refrigeration Credits 1407 Principles 4

An introduction to the refrigeration cycle, heat transfer theory, temperature/pressure relationship, refrigerant handling, refrigeration components, and safety. (3:3). Lab fee. Heating, Ventilation, and Air Conditioning Discipline. W

## HART Residential Air Credits 1441 Conditioning 4

A study of components, applications, and installation of mechanical air conditioning systems including operating conditions, troubleshooting, repair, and charging of air conditioning systems. Students must pass the 410A and EPA Section 608 Exam with a 70% to be certified. Students may be required to pay a separate fee for the 410A guide and exam.

Prerequisites: HART 1401 and HART 1407. (3:3). Lab fee.

Heating, Ventilation, and Air Conditioning Discipline. **W** 

## HART Gas and Electric Credits 1445 Heating 4

Study of the procedures and principles used in servicing heating systems including gas fired furnaces and electric heating systems. (3:3). Lab fee. Heating, Ventilation, and Air Conditioning Discipline. **W** 

# HART Cooperative Education-Credits 2280 Heating, Air Conditioning and Refrigeration Technology/ Technician

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1:10). Renewable Energy Systems Technology Discipline. W

# HART Cooperative Education-Credits 2380 Heating, Air Conditioning and Refrigeration Technology/ Technician

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. **Prerequisite: HART 1441.** (1:20). *Heating, Ventilation, and Air Conditioning Discipline.* **W** 

#### HART Air Conditioning Credits 2438 Installation and Startup 4

A study of air conditioning system installation, refrigerant piping, condensate disposal, and air cleaning equipment with emphasis on startup and performance testing. **Prerequisite: HART 1441.** (3:3). **Lab fee.** *Heating, Ventilation, and Air Conditioning Discipline.* **W** 

## HART Commercial Credits 2442 Refrigeration 4

Theory and practical application in the maintenance of commercial refrigeration; medium and low temperature applications and ice machines. Upon successful completion of OSHA training, students may receive the OSHA Certification. **Prerequisites: HART 1401 and HART 1407.** (3:3). **Lab fee.** *Heating, Ventilation, and Air Conditioning Discipline.* **W** 

## HART Pneumatics and Credits 2470 System Controllers 4

Examines the theory and operation of pneumatic controls and system controllers in the classroom and applies the theory in laboratory activities. Troubleshooting and repairing of heating, ventilating and air conditioning pneumatic controls systems are included. **Prerequisite: HART 1403. (3:3). Lab fee.** *Heating, Ventilation, and Air Conditioning Discipline.* **W** 

## HECO Nutrition & Diet Therapy Credits 1322 [F] 3

This course introduces general nutritional concepts in health and disease and includes practical applications of that knowledge. Special emphasis is given to nutrients and nutritional processes including functions, food sources, digestion, absorption, and metabolism. Food safety, availability, and nutritional information including food labels, advertising, and nationally established guidelines are addressed. A grade of "C" or better is required in this course to take the next course. (3:0). *Health Services Discipline*. **T** 

## HIST United States History I Credits 1301 [C] 3

A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). History Discipline. T

## HIST United States History II Credits 1302 [C] 3

A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). History Discipline. T

## HIST Texas Credits 2301 History 3

A survey of the political, social, economic, cultural, and intellectual history of Texas from the pre-Columbian era to the present. Themes that may be addressed in Texas History include: Spanish colonization and Spanish Texas; Mexican Texas; the Republic of Texas; statehood and secession; oil, industrialization, and urbanization; civil rights; and modern Texas. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). History Discipline. T

## HIST Western Credits 2311 Civilization I 3

A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from human origins to the 17<sup>th</sup> century. Themes that should be addressed in Western Civilization I include the cultural legacies of Mesopotamia, Egypt, Greece, Rome, Byzantium, Islamic civilizations, and Europe through the Middle Ages, Renaissance, and Reformations. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). History Discipline. **T** 

#### HIST Western Credits 2312 Civilization II 3

A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from the 17th century to the modern era. Themes that should be addressed in Western Civilization II include absolutism and constitutionalism, growth of nation states, the Enlightenment, revolutions, classical liberalism, industrialization, imperialism, global conflict, the Cold War, and globalism. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). History Discipline. T

## HIST World Civilizations I Credits 2321 [C] 3

A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the emergence of human cultures through the 15th century. The course examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include the emergence of early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction, and impact of global exchange. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). History Discipline. T

## HIST World Civilizations II Credits 2322 [C] 3

A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the 15th century to the present. The course examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include maritime exploration and transoceanic empires, nation/state formation and industrialization, imperialism, global conflicts and resolutions, and global economic integration. The course emphasizes the development, interaction, and impact of global exchange. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). History Discipline. T

# HIST Mexican American Credits 2327 History I (to the United 3 States-Mexico War Era)

A survey of the economic, social, political, intellectual, and cultural history of Mexican Americans/Chicanx. Periods include early indigenous societies, conflict and conquest, early European colonization and empires, New Spain, early revolutionary period, Mexican independence and nation building, United States expansion to the United States-Mexico War Era. Themes to be addressed are mestizaje and racial formation in the early empire, rise and fall of native and African slavery, relationship to early global economies, development of New Spain's/Mexico's northern frontier, gender and power, missions, resistance and rebellion, emergence of Mexican identities. California mission secularization, Texas independence, United States' wars with Mexico, and the making of borders and borderlands. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). History Discipline. T

# HIST Mexican American Credits 2328 History II (from the United 3 States-Mexico War Era)

A survey of the economic, social, political, intellectual, and cultural history of Mexican Americans/Chicanx. Periods include the United States-Mexico War Era, incorporation of Northern Mexico into the United States, Porfirian Mexico, and the nineteenth century American West, 1910 Mexican Revolution and Progressive Era, the Great Depression and New Deal, World War II and the Cold War, Civil Rights Era, Conservative Ascendancy, the age of NAFTA and turn of the 21st Century developments. Themes to be addressed are the making of borders and borderlands, impact of Treaty of Guadalupe Hidalgo, gender and power, migration and national identities, citizenship and expulsion, nineteenth century activism and displacement, industrialization and the making of a transnational Mexican working class, urbanization and community formation, emergence of a Mexican American Generation, war and citizenship, organized advocacy and activism, Chicano Movement, changing identifications and identities, trade and terrorism. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion of INRW 0311 or INRW 0312 or INRW 0313 with a "C" or better; OR concurrent enrollment in INRW 0313. (3:0). History Discipline. T

# HITT Practicum (or Field Credits 1166 Experience)-Health 1 Information/Medical Records Technology/ Technician I

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course. Prerequisites: HITT 1301 and HITT 1311. (0:10). Professional Practice Insurance required. Health Information Management Discipline. W

## HITT Medical Credits 1205 Terminology I 2

Study of medical terms through word origin and structure. Introduction to abbreviations and symbols, surgical and diagnostic procedures, and medical specialties. A grade of "C" or better is required in this course to take the next course. (2:0). Health Information Management Discipline. **W** 

HITT	Clinical-Health	Credits
1260	Information/Medical	2
	Records Technology/	
	Technician I	

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisite: HITT 1301. Corequisite: HITT 1341. (0:11). Professional Practice Insurance required. Health Information Management Discipline. W

HITT	Practicum (or Field	Credits
1267	Experience)-Health	2
	Information/Medical	
	Records Technology/	
	Technician II	

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course. **Prerequisite: HITT 1166.** (0:14). **Professional Practice Insurance required.** *Health Information Management Discipline.* **W** 

## HITT Documentation Credits 1270 Practices 2

Studies fundamental health record documentation requirements and practices for inpatient and outpatient health care facilities across the health care spectrum. Includes topics on requirements for paper, hybrid, and electronic health records. A grade of "C" or better is required in this course to take the next course. **Prerequisite: HITT 1301. (2:1). Lab fee.** Health Information Management Discipline. **W** 

## HITT Health Data Content Credits 1301 and Structure 3

Introduction to systems and processes for collecting, maintaining, and disseminating primary and secondary health related information including content of health record, documentation requirements, registries, indices, licensing, regulatory agencies, forms, and screens. A grade of "C" or better is required in this course to take the next course. (2:3). Lab fee. Health Information Management Discipline. W

## HITT Health Information Credits 1311 Systems 3

Introduction to health IT standards, health-related data structures, software applications, and enterprise architecture in health care and public health. A grade of "C" or better is required in this course to take the next course. (3:1). Lab fee. Health Information Management Discipline. **W** 

#### HITT Coding and Classification Credits 1341 Systems 3

Fundamentals of coding rules, conventions, and guidelines using clinical classification systems. A grade of "C" or better is required in this course to take the next course. **Prerequisite: HITT 1301. (2:4). Lab fee.** *Health Information Management Discipline.* **W** 

## HITT Ambulatory Credits 1342 Coding 3

Fundamentals of ambulatory coding rules, conventions, and guidelines. A grade of "C" or better is required in this course to take the next course. **Prerequisite: HITT 1341. (2:4).** Lab fee. *Health Information Management Discipline.* **W** 

## HITT Health Care Credits 1345 Delivery Systems 3

Examination of delivery systems including organization, financing, accreditation, licensure, and regulatory agencies. A grade of "C" or better is required in this course to take the next course. (2:3). Lab fee. Health Information Management Discipline. W

## HITT Legal and Ethical Aspects Credits 1353 of Health Information 3

Concepts of privacy, security, confidentiality, ethics, health care legislation, and regulations relating to the maintenance and use of health information. A grade of "C" or better is required in this course to take the next course. (2:2). Lab fee. Health Information Management Discipline. **W** 

#### HITT RHIT Competency Credits 2149 Review 1

Review Health Information Technology (HIT) competencies, skills, and knowledge. A grade of "C" or better is required in this course to take the next course. **Corequisite: HITT 2266.** (0:3). Lab fee. *Health Information Management Discipline*. W

### HITT Coding Certification Credits 2245 Exam Review 2

Review of coding competencies and skills in preparation for a coding certification exam. A grade of "C" or better is required in this course to take the next course. **Corequisite: HITT 1267.** (0:4). **Lab fee.** *Health Information Management Discipline.* **W** 

# HITT Clinical-Health Credits 2260 Information/Medical 2 Records Technology/ Technician II

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisite: HITT 1260. Corequisite: HITT 2335. (0:11). Professional Practice Insurance required. Health Information Management Discipline. W

# HITT Practicum (or Field Credits 2266 Experience)-Health 2 Information/Medical Records Technology/ Technician I

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course. Corequisites: HITT 2339 and HITT 2443. (0:14). Professional Practice Insurance required. Health Information Management Discipline. W

### HITT Medical Terminology- Credits 2331 Advanced 3

Study of advanced terminology in various medical and surgical specialties including disease processes. A grade of "C" or better is required in this course to take the next course. (3:0). Health Information Management Discipline. **W** 

HITT	Coding and	Credits
2335	Reimbursement	3
	Mathodologias	

Advanced coding techniques with emphasis on case studies, health records, and federal regulations regarding prospective payment systems and methods of reimbursement. A grade of "C" or better is required in this course to take the next course. Prerequisites: HITT 1341 and HITT 1342. Corequisite: HITT 2260. (2:4). Lab fee. Health Information Management Discipline. W

HITT	<b>Health Information</b>	Credits
2339	Organization and	3
	Supervision	

Principles of organization and supervision of human, financial, and physical resources. A grade of "C" or better is required in this course to take the next course. Corequisites: HITT 2266 and HITT 2443. (2:3). Lab fee. Health Information Management Discipline. W

### HITT Advanced Medical Billing Credits 2340 and Reimbursement 3

Skill development in coding to prepare reimbursement forms in various health care settings for submission to payors. A grade of "C" or better is required in this course to take the next course. Prerequisites: HITT 1166 and HITT 1270 and HITT 1341 and HITT 1342. (1:4). Lab fee. Health Information Management Discipline. W

### HITT Advanced Medical Credits 2346 Coding 3

Advanced concepts of ICD and CPT coding rules, conventions, and guidelines in complex case studies. Investigation of government regulations and changes in health care reporting. A grade of "C" or better is required in this course to take the next course. Prerequisites: HITT 1341 and HITT 1342 and HITT 2430. (2:4). Lab fee. Health Information Management Discipline. W

#### HITT Pathophysiology and Credits 2430 Pharmacology 4

Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries. A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages. Prerequisite: BIOL 2404 or SCIT 1407. (2:6) Lab fee. Health Information Management Discipline. W

### HITT Quality Assessment and Credits 2443 Performance Improvement 4

Study of quality standards and methodologies in the health information management environment. Topics include licensing, accreditation, compilation and presentation of data in statistical formats, quality management and performance improvement functions, utilization management, risk management, and medical staff data quality issues. Approaches to assessing patient safety issues and implementation of quality management and reporting through electronic systems. A grade of "C" or better is required in this course to take the next course. Corequisites: HITT 2266 and HITT 2339. (3:4). Lab fee. Health Information Management Discipline. W

### HMSY Introduction to Credits 1337 Homeland Security 3

Overview of homeland security. Evaluation of the progression of homeland security issues throughout Texas and the United States. An examination of the roles undertaken and methods used by governmental agencies and individuals to respond to those issues. (3:0). *Criminal Justice Discipline*. **W** 

### HMSY Homeland Security Credits 1340 Intelligence Operations 3

A study of the intelligence community. Includes the role of intelligence and law enforcement. Topics include collection methods, management of operations, classification, production and analysis, and assessment of threat vulnerability. Source development will be conducted. (3:0). Criminal Justice Discipline. **W** 

### HMSY Understanding and Credits 1342 Combating Terrorism 3

Study of terrorism and reasons why America is a terrorist target. Includes methods of combating domestic and international terrorism, special radical populations, terrorist operations, cyber-terrorism, narco-terrorism, the mind of the terrorist, and organized crime's impact on terrorism. (3:0). Criminal Justice Discipline. **W** 

#### HMSY Managing a Unified Credits 2337 Incident Command 3

A study of the common set of procedures of the unified incident command system for organizing personnel, facilities, equipment, and communications to successfully coordinate multi-agency response. Includes the identification and application of key roles and functional responsibilities for professionally managing multi-agency incidents. Also covers one or more practical application exercises and/or scenarios. Upon completion, the student applies knowledge and skills to meet the program objectives. (3:0). Criminal Justice Discipline. W

# HPRS Special Topics in Health Credits 1191 Professions and Related 1 Sciences, Other

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Check with Program Coordinator for the current topic and content of this course. A grade of "C" or better is required in this course to take the next course. (1:0). Health Services Discipline. **W** 

#### HPRS Wellness and Credits 1202 Health Promotion 2

An overview of wellness theory and its application throughout the life span. Focus is on attitude development, impact of cultural beliefs, and communication of wellness. A grade of "C" or better is required in this course to take the next course. (2:0). *Health Services Discipline*. **W** 

# HPRS Essentials of Medical Law/ Credits 1205 Ethics for Health 2 Professionals

Introduction to the relationship between legal aspects and ethics in health care, with emphasis on the ethical and legal responsibilities of health care professionals. A grade of "C" or better is required in this course to take the next course. (2:0). *Health Services Discipline.* **W** 

#### HPRS Essentials of Credits 1206 Medical Terminology 2

A study of medical terminology, word origin, structure, and application. A grade of "C" or better is required in this course to take the next course. (2:0). *Health Services Discipline*. **W** 

### HPRS Interpretation of Credits 1209 Laboratory Results 2

An introduction to interpretation of commonly ordered laboratory results used to evaluate a patient's status. A grade of "C" or better is required in this course to take the next course (2:0). *Health Services Discipline*. **W** 

### HPRS Pharmacology for Credits 2300 Health Professions 3

A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages. A grade of "C" or better is required in this course to take the next course (3:0). *Health Services Discipline*. **W** 

### HPRS Pathophysiology Credits 2301 3

Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries. **Prerequisites: BIOL 2401 and BIOL 2402.** (3:0). *Biology Discipline.* **W** 

### HPRS Health Care Credits 2332 Communications 3

Methods of communication with clients, client support groups, health care professionals, and external agencies. A grade of "C" or better is required in this course to take the next course (2:3). *Health Services Discipline*. **W** 

#### HRPO Human Resources Credits 2301 Management 3

Behavioral and legal approaches to the management of human resources in organizations. Includes topics on how to handle international human resources. (3:0). Business Management Discipline. **W** 

# HUMA Introduction to Mexican Credits 1305 American Studies 3 [F]

This interdisciplinary survey examines the different cultural, artistic, economic, historical, political, and social aspects of the Mexican American/Chicano/a communities. It also covers issues such as dispossession, immigration, transnationalism, and other topics that have shaped the Mexican American experience. Prerequisite: ENGL 1301 with a "C" or better (can be taken concurrently). (3:0). English Discipline. T

## HUMA Mexican American Fine Credits 1311 Arts Appreciation 3 [F]

This course is an exploration of the purposes and processes in the visual and performing arts (such as music, painting, drama, and dance) and the ways in which they express the values of the Mexican American/Chicano/a experience. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Art Discipline. T

#### HYDR Hydraulics and Credits 1445 Pneumatics 4

Discussion of the fundamentals of hydraulics and pneumatics, components of each system, and the operations, maintenance, and analysis of each system. (3:3). Lab fee. *Industrial Manufacturing Option Discipline*. **W** 

# IBUS Introduction to Credits 1305 International 3 Business and Trade

The techniques for entering the international marketplace. Emphasis on the impact and dynamics of sociocultural, demographic, economic, technological, and political-legal factors in the foreign trade environment. Topics include patterns of world trade, internationalization of the firm, and operating procedures of the multinational enterprise. (3:0). Business Management Discipline. **W** 

### INDS Fundamentals of Credits 1311 Interior Design 3

An introduction to the elements and principles of design, the interior design profession, and the interior design problemsolving process. (2:2). Lab fee. Interior Design Technology Discipline. W

#### INDS Materials, Methods Credits 1315 and Estimating 3

A study of materials, methods of construction and installation, and estimating for interior design applications. Includes window treatments, wall coverings, and floorings. Prerequisite: INDS 1311 or INDS 1349 or INDS 2313. (2:2). Lab fee. Interior Design Technology Discipline. W

### INDS Technical Drawing for Credits 1319 Interior Designers 3

An introduction to reading and preparing technical construction drawings for interior design, including plans, elevations, details, schedules, dimensions and lettering, and utilizes CAD applications. (2:2). Lab fee. Interior Design Technology Discipline. W

### INDS Color Theory and Credits 1341 Application 3

A study of color theory and its applications to interior design. (2:2). Lab fee. *Interior Design Technology Discipline*. **W** 

#### INDS Commercial Credits 1345 Design I 3

A study of design principles applied to furniture layout and space planning for commercial interiors. **Prerequisite: INDS 1349 or INDS 2313. (2:2). Lab fee.** *Interior Design Technology Discipline.* **W** 

### INDS Fundamentals of Credits 1349 Space Planning 3

The study of residential and light commercial spaces, including programming, codes, standards, space planning, drawings and presentations. (2:2). Lab fee. Interior Design Technology Discipline. W

#### INDS History of Credits 1351 Interiors I 3

An historical survey of design in architecture, interiors, furnishings, and decorative elements from the ancient cultures through the Italian Renaissance time period with consideration of Spanish, French, English, and American. (3:0). *Interior Design Technology Discipline*. **W** 

#### INDS Interior Design Credits 2305 Graphics 3

Skill development in computer-generated graphics and technical drawings for interior design applications. **Prerequisite: INDS 1319. (2:2). Lab fee.** *Interior Design Technology Discipline.* **W** 

### INDS Textiles for Credits 2307 Interior Design 3

The study of interior design textiles including characteristics, care, codes, and applications. (2:2). Lab fee. *Interior Design Technology Discipline*. **W** 

#### INDS Kitchen and Credits 2310 Bath Design 3

Principles of kitchen and bath design. Emphasizes programming, space planning, and universal design. Includes innovative products and finishes. Prerequisites: INDS 1315 and INDS 1319 and INDS 1349. (2:2). Lab fee. Interior Design Technology Discipline. W

#### INDS Residential Credits 2313 Design I 3

The study of residential spaces, including the identification of client needs, programming, standards, space planning, drawings, and presentations. (2:2). Lab fee. Interior Design Technology Discipline. **W** 

### INDS Lighting for Credits 2315 Interior Designers 3

Fundamentals of lighting design, including lamps, luminaires, lighting techniques, and applications for residential and commercial projects. (2:2). Lab fee. Interior Design Technology Discipline. **W** 

### INDS Rendering Credits 2317 Techniques 3

A study of rendering techniques for formal interior design presentation, using a variety of media. (2:2). Lab fee. Interior Design Technology Discipline. W

### INDS Presentation Credits 2321 Drawing 3

An introduction to two- and three-dimensional presentations, including drawings with one- and two-point perspectives, plans, and elevations using a variety of media. (2:2). Lab fee. *Interior Design Technology Discipline*. **W** 

### INDS Professional Practices Credits 2325 for Interior Designers 3

A study of business practices and procedures for interior designers, including professional ethics, project management, marketing, legal issues, and charging a client. (3:0). *Interior Design Technology Discipline*. **W** 

#### INDS Interior Design Credits 2330 Building Systems 3

An overview of building materials, mechanical systems, and construction techniques as applied to interior design. Discussion of codes, project sequencing and the interpretation of detailed working drawings. **Prerequisites: INDS 1319 and INDS 1349.** (2:2). **Lab fee.** *Interior Design Technology Discipline.* **W** 

#### INDS Portfolio Credits 2337 Presentation 3

A course in the preparation and presentation of a comprehensive interior design portfolio, including resume preparation, employment interview skills, and goal setting. Students must have fourth semester standing and program approval. Prerequisites: INDS 1315 and INDS 1341 and INDS 1349 and INDS 2305 and INDS 2307 and INDS 2313 and INDS 2315 and INDS 2321 and INDS 2325. Corequisite: INDS 2387. (2:2). Lab fee. Interior Design Technology Discipline. W

### INDS Advanced Kitchen Credits 2371 and Bath 3

Develops the skills for solving problems, concept and theme design, knowledge in producing professional working documents, ability in presenting the design concept, and processing the development of an advanced kitchen project and an advanced bathroom project from inception to completion. Prerequisites: INDS 1315 and INDS 1319 and INDS 1349 and INDS 2310. (2:2). Lab fee. Interior Design Technology Discipline. W

### INDS Project Management Credits 2372 for Interior Design 3

Includes skills and knowledge in project management such as preparing advanced construction documents and mastery of the interior design project phases, project schedules, timelines, and project budgets. Prerequisites: INDS 1319 and INDS 1349 and INDS 2310 and INDS 2325 and INDS 2330. (2:2). Lab fee. Interior Design Technology Discipline. W

### INDS Internship- Credits 2387 Interior Design 3

A work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. A learning plan is developed by the college and the employer. Students completing the Kitchen and Bath certificate are recommended to complete INDS 2310 before enrolling in this course. It is highly recommended that students in the Associate degree complete INDS 2313 and INDS 2307 before enrolling in this course. Prerequisites: INDS 1315 and INDS 1319 and INDS 1341 and INDS 1349 and INDS 2305 and INDS 2315 and INDS 2321 and INDS 2325. (0:15). Interior Design Technology Discipline. W

#### INMT Introduction to Credits 1305 Industrial Maintenance 3

Basic mechanical skills and repair techniques common to most fields of industrial maintenance. Topics include precision measuring instruments and general safety rules common in industry, including lock-out/tag-out. (2:4). Lab fee. *Industrial Manufacturing Option Discipline*. **W** 

#### INMT Manufacturing Credits 1319 Processes 3

Exploration of a variety of methods used in manufacturing. Theory and application of processes including but not limited to metal forming, welding, machining, heat treating, plating, assembly procedures, and process control considerations, casting and injection molding. (2:2). *Industrial Manufacturing Option Discipline*. **W** 

#### INMT Introduction to Computer Credits 1370 for Industrial Applications 3

Provides an overview of basic computer hardware and software used in the industrial and manufacturing fields. Introduces hardware, software, systems and procedures used in plant automation and industrial maintenance. Explores the use of computer systems by technicians in manufacturing operations. Introduces basic maintenance and troubleshooting of hardware and software in the manufacturing environment. (2:2). Lab fee. Industrial Manufacturing Option Discipline. **W** 

# INMT Cooperative Education2280 Manufacturing 2 Technology/Technician

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1:9). Industrial Manufacturing Option Discipline. **W** 

# INMT Numerical Control/ Credits 2334 Computerized Numerical 3 Control Programming (NC/CNC)

A study of the principles and concepts of numerical control through computer applications, specifically in the area of programming for the control of machine tools in computer integrated manufacturing (CIM). (2:4). Lab fee. *Machining Technology Discipline*. **W** 

### INMT Industrial Credits 2345 Troubleshooting 3

An advanced study of the techniques used in troubleshooting various types of industrial equipment to include mechanical, electrical, hydraulic, and pneumatic systems and their control devices. Emphasis will be placed on the use of schematics and diagrams in conjunction with proper troubleshooting procedures. (2:2). Lab fee. Industrial Manufacturing Option Discipline. W

# INRW Fundamentals Credits 0310 of Integrated 3 Reading & Writing

Integrates base level reading and writing to prepare students for INRW co-requisite support course (INRW 0311 or INRW 0312) by reinforcing essential knowledge of reading and writing strategies. Topics include applying critical reading skills for organizing, analyzing, and retaining material and developing written work appropriate to the audience, purpose, situation, and length of the assignment. This course integrates fundamental reading comprehension skills, vocabulary, and rate, with foundational skills in writing a variety of academic essays. Successful completion of the course includes a portfolio, reading assignments, and paragraph to short essay documents, and a grade of "C" or better. This course may not be counted toward graduation requirements. **Prerequisite: Placement by TSIA2 or equivalent.** (3:0). *English Discipline.* 

### INRW Integrated Credits 0311 Reading & Writing 3

Integrates developmental Reading and Writing designed to prepare students for college credit level classes by reinforcing essential knowledge of reading and writing strategies. Topics include applying critical reading skills for organizing, analyzing, and retaining material and developing written work appropriate to the audience, purpose, situation, and length of the assignment. This course integrates fundamental reading comprehension skills, vocabulary, and rate, with foundational skills in writing a variety of academic essays. Successful completion of the course includes a portfolio and a grade of "C" or better. May not be counted toward graduation requirements. Prerequisite: Placement by TSIA2 or equivalent; OR completion of INRW 0310 with a "C" or better. (3:0). English Discipline.

# INRW Discipline Focused- Credits 0312 Integrated 3 Reading & Writing

Integration of critical reading and academic writing skills. Successful completion of this course if taught at the upper (exit) levels fulfills TSI requirements for reading and/or writing. Students in this course must be co-enrolled in a content area. Course completion will be designated on a final average of 70% or above. Prerequisite: Placement by TSIA2 or equivalent; OR completion of INRW 0310 with a "C" or better. (3:0). Reading Discipline.

### INRW Reading and Writing Academic Credits 0313 Foundations 3

Integration of critical reading and academic writing skills for speakers of languages other than English. Successful completion of this course if taught at the upper (exit) level fulfills TSIA2 requirements for reading and/or writing. Advanced level. Prerequisite: Placement by TSIA2 or equivalent; OR Placement by Accuplacer or equivalent; OR Completion of ESOL 0345 and ESOL 0355 with a "C" or better. (3:1). Lab fee. English as a Second Language Discipline.

#### INSR Principles of Credits 1209 Insurance 2

The overall concepts of the insurance industries based upon the profile of each of the industry types, organizational structures, and careers in the insurance industry. May prepare students to take the licensing exam sponsored by the Texas Department of Insurance. (2:1). Business Management Discipline. **W** 

#### INSR Insurance Customer Service Credits 1217 Representative 2

Fundamental front-line customer service support for the delivery of information and quality service. Includes information about general insurance policies, terminology, and customer service procedures. May prepare students to take the licensing exam sponsored by the Texas Department of Insurance. (2:1). Business Management Discipline. W

### INSR Essentials of Risk Credits 1351 Management 3

Risk management decision-making process with emphasis on identification and analysis of loss exposures and development of alternative techniques for the treatment of each exposure. (3:0). Business Management Discipline. **W** 

#### INSR Insurance Practice for Credits 1372 Special Areas 3

Identifies Crisis Management and catastrophic events as a sudden, unexpected, unavoidable, and severe calamity or disaster that involves a large population and normally generates an extraordinarily large amount of loss. Identifies protection against legal liability for personal and commercial risks arising from ownership, maintenance, or use of business premises, defects in manufactured products and completed operations. (3:0). Business Management Discipline. W

# INSR Worker's Compensation and Credits 2311 Medical Aspects 3 of Claims

The history and rationale for the worker's compensation system and the rapidly changing regulatory environment. Topics include the importance of adequate medical knowledge in adjusting claims. (3:0). Business Management Discipline.

#### INSR Multiline Insurance Credits 2340 Sales and Marketing 3

Prospecting and presentation, types of coverage, identifying client needs, terminology, and analyzing homeowners coverage. Includes information related to sales transitions, analyzing automobile and specialized coverage, tax implications, loss ratios and agent responsibilities. (3:0). Business Management Discipline. **W** 

#### ITCC CCNA 1: Introduction Credits 1314 to Networks 3

This course covers networking architecture, structure, security, and functions; introduces the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations to provide a foundation for the curriculum. **Prerequisite: ITSC 1301. (3:1). Lab fee.** *Information Technology Systems Discipline.* **W** 

#### ITCC CCNA 2: Switching, Credits 1344 Routing, and Wireless 3 Essentials

Describes the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts; provides an in-depth understanding of how routers and switches operate and are implemented in the LAN environment. **Prerequisite: ITCC 1314.** (3:1). **Lab fee.** *Information Technology Systems Discipline.* **W** 

# ITCC CCNA 3: Enterprise Credits 2320 Networking, Security, and Automation 3

Describes the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. Emphasizes network security concepts and introduces network virtualization and automation. **Prerequisite: ITCC 1344. (3:1). Lab fee.** *Information Technology Systems Discipline.* **W** 

# ITNW Implementing and Credits 1308 Supporting Client 3 Operating Systems

The fundamentals of managing and configuring local, network, and distributed network clients. Topics may adapt to changes in industry practices. (3:1). Lab fee. *Information Technology Systems Discipline*. **W** 

#### ITNW Fundamentals of Credits 1309 Cloud Computing 3

Introduction to cloud computing from a business and technical perspective, including cloud concepts, services, architecture, system integration, connectivity, data center migration, administration, security, compliance and technical support. Coverage includes preparation for industry certifications. Topics may adapt to changes in industry practices. (3:1). Lab fee. Information Technology Systems Discipline. W

# ITNW Cloud Deployment & Credits 1336 Infrastructure 3 Management

Focus on Cloud infrastructure, deployment, security models, and key considerations in migrating to Cloud computing. Includes the technologies and processes required to build onpremise and Cloud environments, including computation, storage, networking, virtualization, business continuity, security, and management. (3:1). Lab fee. *Information Technology Systems Discipline*. W

#### ITNW Supporting Network Credits 1353 Server Infrastructure 3

Installing, configuring, managing, and supporting a network infrastructure. **Prerequisite: ITNW 1308. (3:1). Lab fee.** *Information Technology Systems Discipline.* **W** 

### ITNW Implementing and Credits 1354 Supporting Servers 3

Implement, administer, and troubleshoot information systems that incorporate servers in a networked computing environment. **Prerequisite: ITCC 1314. (3:1). Lab fee.** *Information Technology Systems Discipline.* **W** 

### ITSC Introduction to Credits 1301 Computers 3

Overview of computer information systems. Introduces computer hardware, software, procedures, and human resources. Explores the integration of application usage and provides exploration on the impact within the business community and society as a whole. (3:1). *Information Technology Systems Discipline*. **W** 

### ITSC Introduction to PC Credits 1305 Operating Systems 3

Introduction to personal computer operating systems including installation, configuration, file management, memory and storage management, control of peripheral devices, and use of utilities. (3:1). Information Technology Systems Discipline. **W** 

### TTSC Linux Installation Credits 1316 and Configuration 3

Introduction to Linux operating system. Includes Linux installation, basic administration, utilities and commands, upgrading, networking, security, and application installation. Emphasizes hands-on setup, administration, and management of Linux. (3:1). *Information Technology Systems Discipline*. **W** 

#### TTSC Advanced Credits 2325 Linux 3

Provides instruction in advanced open-source Linux operating system. Develop directory services for clients, support users remotely, and install and configure network services.

Prerequisite: ITSC 1316. (3:1). Lab fee. Information Technology Systems Discipline. W

#### ITSC Cooperative Education-2380 Computer and Information Sciences, General I

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. Students must have approval from ITSC Coordinator. (1:20). Information Technology Systems Discipline. **W** 

# ITSC Cooperative Education-Credits 2381 Computer and Information Sciences, General II

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. **Prerequisite: ITSC 2380.** (1:20). Information Technology Systems Discipline. **W** 

#### ITSE Introduction to C++ Credits 1307 Programming 3

Introduction to computer programming using C++. Emphasis on the fundamentals of object-oriented design with development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. **Prerequisite: ITSE 1329. (3:1).** *Information Technology Systems Discipline.* **W** 

#### ITSE Beginning Web Credits 1311 Programming 3

Skills development in web programming including mark-up and scripting languages. **Prerequisite: ITSC 1301 or ARTC 1325 or ARTC 1353. (3:1). Lab fee.** *Information Technology Systems Discipline.* **W** 

### ITSE Programming Credits 1329 Logic and Design 3

Problem-solving applying structured techniques and representation of algorithms using design tools. Includes testing, evaluation, and documentation. Topics may adapt to changes in industry practices. (3:1). *Information Technology Systems Discipline*. **W** 

### ITSE Mobile Applications Credits 1333 Development 3

An overview of different mobile platforms and their development environments. **Prerequisite: ITSE 1329. (3:1). Lab fee.** *Information Technology Systems Discipline.* **W** 

#### ITSE Introduction to Credits 1345 Oracle SQL 3

An introduction to the design and creation of relational databases using Oracle. Topics include storing, retrieving, updating, and displaying data using Structured Query Language (SQL). (3:1). Information Technology Systems Discipline. **W** 

### ITSE System Analysis Credits 1350 and Design 3

Introduction to the planning, design, and construction of computer information systems using the systems development life cycle and other appropriate design tools. **Prerequisite: ITSE 1329.** (3:1). **Lab fee.** *Information Technology Systems Discipline.* **W** 

### ITSE Introduction to Credits 1359 Scripting Languages 3

Introduction to scripting languages including basic data types, control structures, regular expressions, input/output, and textual analysis. Topics may adapt to changes in industry practices. **Prerequisite: ITSE 1329 or ITSY 1300.** (3:1). *Information Technology Systems Discipline.* **W** 

#### ITSE Database Credits 2309 Programming 3

Database development using database programming techniques emphasizing database structures, modeling, and database access. **Prerequisite: ITSC 1301.** (3:1). *Information Technology Systems Discipline*. **W** 

#### ITSE Java Credits 2317 Programming 3

Java programming for applications and web applets. **Prerequisite: ITSE 1329.** (3:1). *Information Technology Systems Discipline.* **W** 

#### ITSE Advanced Visual Basic Credits 2349 Programming 3

Advanced Visual Basic programming including file access methods, data structures, modular programming, program testing and documentation. **Prerequisite: ITSE 1329. (3:1).** *Information Technology Systems Discipline.* **W** 

### ITSW Introduction Credits 1313 to Data Entry 3

Training in data input. Includes source documents, conversion of source data into computer input media, input record layout design, and input coding. (3:1). Lab fee. *Information Technology Systems Discipline*. **W** 

### ITSW Advanced Credits 2334 Spreadsheets 3

Advanced techniques for developing and modifying spreadsheets. Includes macros and data analysis functions. Includes fundamental concepts of spreadsheets and their design. Demonstrates formula creation to include function usage. Covers business analysis including what-if, charts, accounting and finance functions and protection of data. **Prerequisite: ITSC 1301 or BCIS 1305. (3:1).** *Information Technology Systems Discipline.* **W** 

### ITSY Fundamentals of Credits 1300 Information Security 3

An introduction to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed. (3:1). Lab fee. Information Technology Systems Discipline. W

### ITSY Operating System Credits 2300 Security 3

Safeguard operating systems by demonstrating support skills and designing and implementing security processes. Identify security threats and monitor security implementations. Use best practices to configure operating systems to industry security standards. (3:1). Lab fee. *Information Technology Systems Discipline*. **W** 

### ITSY Firewalls and Credits 2301 Network Security Design 3

Identify elements of secure network design that may include segmentation, Firewall implementation or a combination thereof to mitigate various types of security threats and attacks. Use Best Practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities. (3:1). Lab fee. Information Technology Systems Discipline. W

### ITSY Intrusion Credits 2330 Detection 3

Computer information systems security monitoring, intrusion detection, and crisis management. Includes alarm management, signature configuration, sensor configuration, and troubleshooting components. Emphasizes identifying, resolving, and documenting network crises and activating the response team (3:1). Lab fee. Information Technology Systems Discipline. W

### ITSY Incident Response Credits 2342 & Handling 3

In-depth coverage of incident response and incident handling, including identifying sources of attacks and security breaches; analyzing security logs; recovering the system to normal; performing postmortem analysis; and implementing and modifying security measures. (3:1). Lab fee. *Information Technology Systems Discipline*. **W** 

#### TTSY Computer System Credits 2343 Forensics 3

In-depth study of system forensics including methodologies used for analysis of computer security breaches. Collect, document and evaluate evidence to perform postmortem analysis of a security breach. Students should have an understanding of basic computer hardware. (3:1). Lab fee. Information Technology Systems Discipline. W

#### ITSY Security Assessment Credits 2359 and Auditing 3

Comprehensive experience for the security curriculum. Synthesizes technical material covered in prior courses to monitor, audit, analyze, and revise computer and network security systems that ensure industry specific levels of protection are in place to assure regulatory compliance. (3:1). Lab fee. Information Technology Systems Discipline. W



### KINE Conditioning Credits 1100 1

Develops physical fitness components such as flexibility, strength, and endurance through participation in calisthenics, aerobics, and jogging. (0:3). *Kinesiology Discipline*. **T** 

### KINE Jogging Credits

Covers the basic skills of running, stretching, form, pace, and breathing. Includes students' participation. (0:3). *Kinesiology Discipline*. **T** 

### KINE Martial Arts Credits 1108

Covers the basic skills of self-defense, including blocks, strikes, kicks, form practice, and weapons application. Involves students' participation. (0:3). Kinesiology Discipline.

### KINE Basketball Credits 1116 1

Emphasizes the basic skills and techniques of playing basketball. Includes a review of the history, rules, and terminology of basketball. (0:3). *Kinesiology Discipline*. **T** 

### KINE Soccer Credits 1120 1

Covers the basic skills and techniques of soccer such as kicking, dribbling, trapping, passing, and heading. Includes a study of the history, rules, and terminology of soccer. (0:3). *Kinesiology Discipline*. **T** 

#### KINE Introduction to Physical Credits 1164 Fitness & Wellness 1

This course will provide an overview of the lifestyle necessary for fitness and health. Students will participate in physical activities and assess their fitness status. Students will be introduced to proper nutrition, weight management, cardiovascular health, flexibility, and strength training. **Prerequisite: KINE 1338. (0:3).** *Kinesiology Discipline.* **T** 

### KINE Foundations of Credits 1301 Kinesiology 3

The purpose of this course is to provide students with an introduction to human movement that includes the historical development of physical education, exercise science, and sport. This course offers the student both an introduction to the knowledge base, as well as, information on expanding career opportunities. (3:0). *Kinesiology Discipline*. **T** 

### KINE First Credits 1306 Aid 3

Instruction and practice for emergency care. Designed to enable students to recognize and avoid hazards within their environment, to render intelligent assistance in case of accident or sudden illness, and to develop skills necessary for the immediate and temporary care of the victim. Successful completion of the course may enable the student to receive a certificate from a nationally recognized agency. Provides CPR certification and Basic Life Support (BLS) for Healthcare providers through the American Heart Association. National Safety Council Certificates upon successful completion of the course. (3:0). Kinesiology Discipline. **T** 

### KINE Concepts of Credits 1338 Physical Fitness 3

This course is designed to familiarize students with knowledge, understanding and values of health related fitness and its influence on the quality of life emphasizing the development and implementation of fitness programs. (3:0). *Kinesiology Discipline*. **T** 

### KINE Weight Credits 2100 Training I 1

Presents the skills and techniques of weightlifting such as proper lifting, exercises, breathing, spotting, and safety procedures. Includes a review of the history, terminology, and principles of weight training. Includes students' participation. **(0:3).** *Kinesiology Discipline.* **T** 

### KINE Swimming I Credits 2116 1

Covers the basic principles and fundamental skills such as strokes, diving, floating, and breathing. Includes students' participation and is designed for beginners. (0:3). Lab fee. *Kinesiology Discipline*. **T** 

#### KINE Volleyball I Credits 2124 1

Covers the basic skills, techniques, history, rules, and terminology of volleyball. Includes students' participation. **(0:3).** *Kinesiology Discipline.* **T** 

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### LGLA Legal Research Credits 1301 and Writing 3

Presents the fundamentals of legal research and writing emphasizing the paralegal's role including resources and processes used in legal research and writing. **Prerequisite: LGLA 1303. (3:0).** *Paralegal Discipline.* **W** 

#### LGLA Legal Credits 1303 Research 3

Presents legal research techniques emphasizing the paralegal's role. (3:0). *Paralegal Discipline*. **W** 

### LGLA Introduction to Law and Credits 1307 the Legal Professions 3

Overview of the law and the legal professions including legal concepts, systems, and terminology; substantive areas of law and the federal and state judicial systems; ethical obligations and regulations; professional trends and issues with emphasis on the paralegal's role. (3:0). Paralegal Discipline. **W** 

### LGLA Bankruptcy Credits 1343 3

Fundamental concepts of bankruptcy law and procedure are presented including individual and business liquidation and reorganization with emphasis on the paralegal's role. (3:0). *Paralegal Discipline.* **W** 

### LGLA Civil Credits 1345 Litigation 3

Presents fundamental concepts and procedures of civil litigation including pretrial, trial, and post-trial phases of litigation and emphasizes the paralegal's role in civil litigation. (3:0). Paralegal Discipline. **W** 

### LGLA Contracts Credits 1351 3

Presents fundamental concepts of contract law including formation, performance, and enforcement of contracts under the common law and the Uniform Commercial Code as well as a study of deceptive trade practices with emphasis on the paralegal's role in contract law. (3:0). Paralegal Discipline. **W** 

#### LGLA Wills, Trusts and Probate Credits 1353 Administration 3

Fundamental concepts of the law of wills, trusts, and probate administration emphasizing the paralegal's role. (3:0). *Paralegal Discipline.* **W** 

#### LGLA Family Credits 1355 Law 3

Fundamental concepts of family law including formal and informal marriages, divorce, annulment, marital property, and the parent-child relationship with emphasis on the paralegal's role in family law. (3:0). *Paralegal Discipline*. **W** 

### LGLA Immigration Credits 1359 Law 3

Presents fundamental concepts of immigration law including substantive and procedural law related to visa applications, deportation, naturalization, and citizenship emphasizing the paralegal's role in immigration law. (3:0). Paralegal Discipline. **W** 

#### LGLA Torts and Personal Credits 2303 Injury Law 3

Fundamental concepts of tort and personal injury law including intentional torts, negligence, strict liability and the Medical Liability Act with emphasis on the paralegal's role. (3:0). Paralegal Discipline. **W** 

### LGLA Real Credits 2309 Property 3

Presents fundamental concepts of real property law including the nature of real property, title rights and duties of ownership, preparation of documents, land use, voluntary and involuntary conveyances, and the recording of and searching for real estate documents emphasizing the paralegal's role in property law. (3:0). Paralegal Discipline. **W** 

### LGLA Criminal Law and Credits 2313 Procedure 3

Fundamental concepts of criminal law and procedure from arrest to final disposition including principles of federal and state law emphasizing the role of the paralegal in the criminal justice system. (3:0). *Paralegal Discipline*. **W** 

#### LGLA Advanced Civil Credits 2335 Litigation 3

Implementation of advanced civil litigation techniques with emphasis on the paralegal's role. Builds upon skills acquired in prior civil litigation courses. **Prerequisite: LGLA 1345.** (3:0). *Paralegal Discipline*. **W** 

#### LGLA Cooperative Education- Credits 2380 Legal Assistant/Paralegal I 3

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. Students must be in second year standing and have program coordinator's approval to enroll in this course. Prerequisites: LGLA 1303 and LGLA 1307 and LGLA 1345 and LGLA 2335. (1:15). Paralegal Discipline. W

# LGLA Cooperative Education2381 Legal Assistant/ 3 Paralegal II

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. **Prerequisite: LGLA 2380.** (1:15). Paralegal Discipline. **W** 

# M

### MATH Intermediate Credits 0305 Algebra 3

A study of relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations. May not be counted toward graduation requirements. **Prerequisite: Placement by TSIA2 or equivalent.** (3:0). *Mathematics Discipline*.

### MATH Foundations of Credits 0404 Mathematical Reasoning 4

Surveys a variety of mathematical topics needed to prepare students for college level statistics, quantitative reasoning, and/or algebra-based courses. Topics include numeracy with an emphasis on estimation and fluency with large numbers; evaluating expressions and formulas; rates, ratios, and proportions; percentages; solving equations; linear models; data interpretations including graphs and tables; verbal, algebraic and graphical representations of functions; and exponential models. May not be counted toward graduation requirements. **Prerequisite: Placement by TSIA2 or equivalent; OR completion of NCBM 0302 with a "C" or better. Corequisite: MATH 1342. (4:0).** *Mathematics Discipline.* 

### MATH College Algebra Credits 1314 [C] 3

In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. Prerequisite: Placement at college-level Mathematics by TSIA2 or equivalent; OR completion of NCBM 0114 with a "CR" or NCBM 0314 with a "C" or better; OR concurrent enrollment in NCBM 0114 or NCBM 0314. (3:1). Lab fee. Mathematics Discipline. T

# MATH Mathematics for Business Credits 1324 & Social Sciences 3 [CF]

The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value. **Prerequisite: Placement at college-level Mathematics by TSIA2 or equivalent; OR completion of NCBM 0124 with a "CR" or NCBM 0324 with a "C" or better; OR concurrent enrollment in NCBM 0124 or NCBM 0324. (3:0).** *Mathematics Discipline.* **<b>T** 

#### MATH Calculus for Business & Credits 1325 Social Sciences 3

This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. This course is not a substitute for MATH 2413, Calculus I. **Prerequisite: MATH 1314 or MATH 1324 with a "C" or better. (3:0).** *Mathematics Discipline.* **T** 

# MATH Contemporary Credits 1332 Mathematics 3 (Quantitative Reasoning) [C]

Intended for Non-STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered. Prerequisite: Placement at college-level Mathematics by TSIA2 or equivalent; OR completion of NCBM 0132 with a "CR"; OR concurrent enrollment in NCBM 0132. (3:0). Mathematics Discipline. T

# MATH Elementary Credits 1342 Statistical Methods 3 [CF]

Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals, and hypothesis testing. Use of appropriate technology is recommended. Prerequisite: Placement at college-level Mathematics by TSIA2 or equivalent; OR completion of NCBM 0142 with a "CR" or MATH 0404 with a "C" or better; OR concurrent enrollment in NCBM 0142 or MATH 0404. (3:0). Mathematics Discipline. T

# MATH Mathematics for Teachers I Credits 1350 (Fundamentals of 3 Mathematics I) [F]

This course is intended to build or reinforce a foundation in fundamental mathematics concepts and skills. It includes the conceptual development of the following: sets, functions, numeration systems, number theory, and properties of the various number systems with an emphasis on problem solving and critical thinking. This course is designed specifically for students who seek teacher certification. **Prerequisite: MATH 1314 or 1324 or 1342 with a "C" or better. (3:0).** *Mathematics Discipline.* **T** 

# MATH Mathematics for Teachers Credits 1351 II (Fundamentals of 3 Mathematics II) [F]

This course is intended to build or reinforce a foundation in fundamental mathematics concepts and skills. It includes the concepts of geometry, measurement, probability, and statistics with an emphasis on problem solving and critical thinking. Prerequisite: MATH 1314 or MATH 1324 or MATH 1342 with a "C" or better. (3:0). *Mathematics Discipline*. **T** 

### MATH Discrete Credits 2305 Mathematics 3

A course designed to prepare math, computer science, and engineering majors for a background in abstraction, notation, and critical thinking for the mathematics most directly related to computer science. Topics include logic, relations, functions, basic set theory, countability and counting arguments, proof techniques, mathematical induction, combinatorics, discrete probability, recursion, sequence and recurrence, elementary number theory, graph theory, and mathematical proof techniques. **Prerequisite: MATH 2413 with a "C" or better.** (3:0). *Mathematics Discipline.* **T** 

### MATH Calculus II Credits 2314 [C] 3

Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; improper integrals. Prerequisite: MATH 2413 with a "C" or better. (3:0). *Mathematics Discipline.* **T** 

### MATH Calculus III Credits 2315 3

Advanced topics in calculus, including vectors and vectorvalued functions, partial differentiation, Lagrange multipliers, multiple integrals, and Jacobians; application of the line integral, including Green's Theorem, the Divergence Theorem, and Stokes' Theorem. **Prerequisite: MATH 2314** with a "C" or better. (3:0). *Mathematics Discipline*. **T** 

### MATH Linear Credits 2318 Algebra 3

Introduces and provides models for application of the concepts of vector algebra. Topics include finite dimensional vector spaces and their geometric significance; representing and solving systems of linear equations using multiple methods, including Gaussian elimination and matrix inversion; matrices; determinants; linear transformations; quadratic forms; eigenvalues and eigenvector; and applications in science and engineering. **Prerequisite: MATH 2314 with a** "C" or better. (3:0). *Mathematics Discipline*. **T** 

### MATH Differential Credits 2320 Equations 3

Ordinary differential equations, including linear equations, systems of equations, equations with variable coefficients, existence and uniqueness of solutions, series solutions, singular points, transform methods, and boundary value problems; application of differential equations to real-world problems. **Prerequisite: MATH 2314 with a "C" or better.** (3:0). *Mathematics Discipline.* **T** 

### MATH Pre-Calculus Math Credits 2412 [C] 4

In-depth combined study of algebra, trigonometry, and other topics for calculus readiness. **Prerequisite: MATH 1314 with a "C" or better or by placement exam. (4:1). Lab fee.** *Mathematics Discipline.* **T** 

### MATH Calculus I Credits 2413 [C] 4

Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas. **Prerequisite: MATH 2412 with a "C" or better or by placement exam. (4:0).** *Mathematics Discipline.* **T** 

### MCHN Metals and Heat Credits 1305 Treatment 3

Introduction to the properties of metals and principles of heat treatment. (2:2). Lab fee. *Machining Technology Discipline*. **W** 

### MCHN Basic Credits 1308 Lathe 3

An introduction to the common types of lathes. Emphasis on basic parts, nomenclature, lathe operations, safety, machine mathematics, blueprint reading, and theory. (2:4). Lab fee. *Machining Technology Discipline*. **W** 

### MCHN Basic Milling Credits 1313 Operations 3

An introduction to the common types of milling machines, part nomenclature, basic machine operations and procedures, safety, machine mathematics, blueprint reading, and theory. **(2:4).** Lab fee. *Machining Technology Discipline.* **W** 

# MCHN Introduction to Computer- Credits 1326 Aided Manufacturing 3 (CAM)

A study of Computer-Aided Manufacturing (CAM) software which is used to develop applications for manufacturing. Emphasis on tool geometry, tool selection, and the tool library. (2:4). Lab fee. *Machining Technology Discipline*. **W** 

#### MCHN Grinders, Outside, Credits 1335 Internal, Surface 3

An introduction to types and operation of outside diameter, internal diameter, and surface grinders. Emphasis on identification, selection, and replacement of grinding wheels, ring tools. (2:4). Lab fee. *Machining Technology Discipline*.

### MCHN Basic Machine Credits 1438 Shop I 4

A course that introduces the student to machining fundamentals. The student will use basic machine tools including the lathe, milling machine, drill press, power saw, and bench grinder. Machine terminology, theory, math, part layout, and bench work using common measuring tools is included. Emphasis is placed on shop safety, housekeeping, and preventative maintenance. (3:3). Lab fee. Machining Technology Discipline. W

### MCHN Electrical Discharge Credits 2272 Machine 2

Introduces students to the Electrical Discharge Machine (EDM). Focuses on the operation of the EDM, calculation of machine settings, accuracy of electrodes and correct electrode design and construction. (1:2). Lab fee. *Machining Technology Discipline*. **W** 

### MCHN Operation of CNC Credits 2331 Turning Centers 3

CNC operations with an emphasis on turning centers. (2:4). Lab fee. *Machining Technology Discipline*. **W** 

### MCHN Operation of CNC Credits 2334 Machining Centers 3

CNC operations with an emphasis on machining centers. (2:4). Lab fee. *Machining Technology Discipline*. **W** 

### MDCA Practicum (or Field Credits 1264 Experience)-Medical/ 2 Clinical Assistant

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course. Prerequisites: MDCA 1305 and MDCA 1310 and MDCA 1313 and MDCA 1409 and MDCA 1417 and MDCA 1421 and MDCA 1443 and MDCA 1448 and MDCA 1452. Corequisites: ECRD 1211 and MDCA 1370. (0:15). Professional Practice Insurance required. Medical Assisting Technology Discipline. W

#### MDCA Medical Law Credits 1305 and Ethics 3

Instruction in principles, procedures, and regulations involving legal and ethical relationships among physicians, patients, and medical assistants in ambulatory care settings. A grade of "C" or better is required in this course to take the next course. Corequisite: MDCA 1409. (3:0). Medical Assisting Technology Discipline. W

# MDCA Medical Assistant Credits 1310 Interpersonal and 3 Communication Skills

Emphasis on the application of basic psychological principles and the study of behavior as they apply to special populations. Topics include procedures for self-understanding and social adaptability in interpersonal communication with patients and co-workers in an ambulatory care setting. A grade of "C" or better is required in this course to take the next course. **Prerequisite: MDCA 1421. Corequisite: MDCA 1417.** (3:1). Lab fee. *Medical Assisting Technology Discipline.* **W** 

#### MDCA Medical Terminology for Credits 1313 Medical Assistants 3

A study and practical application of a medical vocabulary system. Includes structure, recognition, analysis, definition, spelling, pronunciation, and combination of medical terms from prefixes, suffixes, roots, and combining forms. A grade of "C" or better is required in this course to take the next course. (3:1). Lab fee. Medical Assisting Technology Discipline. W

### MDCA Procedures in a Credits 1370 Clinical Setting II 3

Emphasizes the medical assistant's role(s) in emergency preparedness. Includes primary assessment in emergency situations, preparing for and responding to emergencies in the ambulatory care setting, understanding legal and ethical considerations of providing emergency care, and demonstrating appropriate interventions to prevent disease transmission in emergency situations. A grade of "C" or better is required in this course to take the next course. Prerequisites: MDCA 1305 and MDCA 1310 and MDCA 1313 and MDCA 1409 and MDCA 1417. (2:2). Lab fee. Medical Assisting Technology Discipline. W

### MDCA Medical Assisting Credits 1371 Credentialing Exam Review 3

Prepares for the Certified Medical Assistant (American Association of Medical Assistants) or Registered Medical Assistant (American Medical Technologists) credentialing exam. A grade of "C" or better is required in this course to take the next course. Prerequisites: MDCA 1305 and MDCA 1310 and MDCA 1313 and MDCA 1409 and MDCA 1417 and MDCA 1421 and MDCA 1443 and MDCA 1448 and MDCA 1452. Corequisites: ECRD 1211 and MDCA 1264 and MDCA 1370. (3:0). Medical Assisting Technology Discipline. W

#### MDCA Anatomy and Physiology Credits 1409 for Medical Assistants 4

Emphasis on structure and function of human cells, tissues, organs, and systems with overview of common pathophysiology. A grade of "C" or better is required in this course to take the next course. Corequisite: MDCA 1305. (4:0). Medical Assisting Technology Discipline. W

### MDCA Procedures in a Credits 1417 Clinical Setting I 4

Emphasis on patient assessment, examination, and treatment as directed by physician. Includes vital signs, collection and documentation of patient information, asepsis, office clinical procedures, and other treatments as appropriate for ambulatory care settings. Lab coat is required for this course and will not be provided by the instructor. A grade of "C" or better is required in this course to take the next course. Prerequisites: MDCA 1305 and MDCA 1313 and MDCA 1409. Corequisite: MDCA 1448. (3:3). Lab fee. Professional Practice Insurance required. Medical Assisting Technology Discipline. W

### MDCA Administrative Credits 1421 Procedures 4

Medical office procedures including appointment scheduling, medical records creation and maintenance, interpersonal communications, bookkeeping tasks, coding, billing, collecting, third party reimbursement, credit arrangements, and computer use in the medical office. A grade of "C" or better is required in this course to take the next course. Corequisites: MDCA 1305 and MDCA 1409. (3:3). Lab fee. Medical Assisting Technology Discipline. W

#### MDCA Medical Credits 1443 Insurance 4

Emphasizes medical office coding for payment and reimbursement by patient or third party payers for ambulatory care settings. A grade of "C" or better is required in this course to take the next course. (3:3). Lab fee. Medical Assisting Technology Discipline. W

# MDCA Pharmacology & Credits 1448 Administration of 4 Medications

Instruction in concepts and application of pharmacological principles. Focuses on drug classifications, principles and procedures of medication administration, mathematical systems and conversions, calculation of drug problems, and medico-legal responsibilities of the medical assistant. Lab coat is required for this course and will not be provided by the instructor. A grade of "C" or better is required in this course to take the next course. **Prerequisites: MDCA 1305 and MDCA 1313 and MDCA 1409. Corequisite: MDCA 1417.** (3:3). Lab fee. *Medical Assisting Technology Discipline.* **W** 

#### MDCA Medical Assistant Credits 1452 Laboratory Procedures 4

Application of governmental health care guidelines. Includes specimen collection and handling, quality assurance, and quality control in performance of Clinical Laboratory Improvement Amendments (CLIA)-waived laboratory testing. A grade of "C" or better is required in this course to take the next course. Prerequisites: MDCA 1305 and MDCA 1313 and MDCA 1409. (3:3). Lab fee. Professional Practice Insurance required. Medical Assisting Technology Discipline. W

### MLAB Coagulation Credits 1127 1

A course in coagulation theory, procedures, and practical applications. Includes quality control, quality assurance, lab safety, and laboratory procedures which rely on commonly performed manual and/or semi-automated methods. A grade of "C" or better is required in this course to take the next course. Corequisite: MLAB 2360. (1:1). Lab fee. Medical Laboratory Technology Discipline. W

### MLAB Introduction to Clinical Credits 1201 Laboratory Science 2

Introduction to medical laboratory science, structure, equipment, and philosophy. A grade of "C" or better is required in this course to take the next course. (1:3). Lab fee. *Medical Laboratory Technology Discipline.* **W** 

### MLAB Urinalysis and Credits 1211 Body Fluids 2

An introduction to the study of urine and body fluid analysis. Includes the anatomy and physiology of the kidney, physical, chemical and microscopic examination of urine, cerebrospinal fluid, and other body fluids as well as quality control, quality assurance and lab safety. A grade of "C" or better is required in this course to take the next course. (1:3). Lab fee. *Medical Laboratory Technology Discipline*. W

### MLAB Parasitology/ Credits 1231 Mycology 2

A study of the taxonomy, morphology, and pathogenesis of human parasites and fungi, including the practical application of laboratory procedures, quality control, quality assurance, and lab safety. Includes the study of clinical virology. A grade of "C" or better is required in this course to take the next course. Corequisite: MLAB 2462. (1:4). Lab fee. Medical Laboratory Technology Discipline. W

### MLAB Immunology/ Credits 1235 Serology 2

An introduction to the theory and application of basic immunology, including the immune response, principles of antigen-antibody reactions, and the principles of serological procedures as well as quality control, quality assurance and lab safety. A grade of "C" or better is required in this course to take the next course. (1:3). Lab fee. Medical Laboratory Technology Discipline. W

### MLAB Hematology Credits 4 1415

The study of blood cells in normal and abnormal conditions. Instruction in the theory and practical application of hematology procedures, including quality control, quality assurance, lab safety, manual and/or automated methods as well as blood cell maturation sequences, and normal and abnormal morphology with associated diseases. A grade of "C" or better is required in this course to take the next course. Corequisites: MLAB 1211 and MLAB 1235. (3:4). Lab fee. Medical Laboratory Technology Discipline. W

# MLAB Advanced Topics in Credits 2 2238 Medical Laboratory Technician/Assistant

This course examines the integration of all areas of the clinical laboratory and correlates laboratory test data with diagnostic applications and pathophysiology using critical thinking skills. A grade of "C or better is required in this course to take the next course. **Prerequisites: MLAB 1415 and MLAB 2431 and MLAB 2434.** (2:0). *Medical Laboratory Technology Discipline.* **W** 

# MLAB Clinical- Credits 3 2360 Clinical/Medical Laboratory Technician

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Includes clinical practice in the areas of clinical chemistry and microbiology. A grade of "C" or better is required in this course to take the next course. **Prerequisite:** MLAB 1201 and MLAB 1211 and MLAB 1235 and MLAB 1415. (0:13). **Professional Practice Insurance required.** *Medical Laboratory Technology Discipline.* W

#### MLAB Clinical Credits 4 2401 Chemistry

An introduction to the principles, procedures, physiological basis, and significance of testing performed in clinical chemistry. Includes quality control, reference values, and lab safety. A grade of "C" or better is required in this course to take the next course. Corequisite: MLAB 2462. (3:4). Lab fee. Medical Laboratory Technology Discipline. W

### MLAB Immunohematology Credits 4 2431

A study of blood antigens and antibodies. Presents quality control, basic laboratory technique and lab safety. Includes the principles, procedures and clinical significance of test results in genetics, blood group systems, pre-transfusion testing, adverse effects of transfusions, donor selection and components, and hemolytic disease of the newborn. A grade of "C" or better is required in this course to take the next course. **Prerequisite:** MLAB 1235. (3:4). Lab fee. Medical Laboratory Technology Discipline. W

### MLAB Clinical Credits 4 2434 Microbiology

Instruction in the theory, practical application, and pathogenesis of clinical microbiology, including collection, quality control, quality assurance, lab safety, setup, identification, susceptibility testing, and reporting results. A grade of "C" or better is required in this course to take the next course. **Corequisite:** MLAB 2360. (3:4). Lab fee. *Medical Laboratory Technology Discipline*. W

# MLAB Clinical- Credits 4 2461 Clinical/Medical Laboratory Technician

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Includes clinical practice in the areas of clinical chemistry, microbiology, urinalysis, hematology, serology, immunohematology, coagulation. A grade of "C" or better is required in this course to take the next course. Prerequisites: MLAB 2360 and MLAB 2431 and MLAB 2434. (0:13). Professional Practice Insurance required. Medical Laboratory Technology Discipline. W

MLAB Clinical- Credits 4
2462 Clinical/Medical
Laboratory Technician

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Includes clinical practice in the areas of clinical chemistry, microbiology, urinalysis, hematology, serology, immunohematology, coagulation. A grade of "C" or better is required in this course to take the next course. Prerequisites: MLAB 2461 and MLAB 2434. Corequisites: MLAB 1231 and MLAB 2238 and MLAB 2401. (0:15). Professional Practice Insurance required. Medical Laboratory Technology Discipline. W

### MRKG Principles of Credits 3 1311 Marketing

Introduction to the marketing mix functions and process. Includes identification of consumer and organizational needs and explanation of environmental issues. Includes topics that will require the student to create a marketing plan for implementation in the U.S. or internationally. (3:0). Business Management Discipline. **W** 

### MRKG Advertising and Sales Credits 3 2349 Promotion

Integrated marketing communications. Includes advertising principles and practices. Emphasizes multi-media of persuasive communication including buyer behavior, budgeting, and regulatory constraints. (3:0). Business Management Discipline.

### MRMT Medical Credits 3 1307 Transcription I

Fundamentals of medical transcription with hands-on experience in transcribing actual physician dictation including basic reports such as history and physicals, discharge summaries, consultations, operative reports, and other medical reports. Utilizes technology compatible with industry standards. Designed to develop speed and accuracy. A grade of "C" or better is required in this course to take the next course. (2:3). Lab fee. Health Information Management Discipline. W

#### MRMT Introduction To Credits 3 1370 Medical Transcription

Introduces the field of medical transcription. Emphasizes English and style essentials, word processing basics, and efficiency exercises for medical transcriptionists. A grade of "C" or better is required in this course to take the next course. (3:0). Health Information Management Discipline. **W** 

### MRMT Advanced Medical Credits 2357 Transcription 3

Application of highly developed medical transcription skills. Includes use of technology and medical resources to produce correct medical documents from their inception as dictated materials to their inclusion in the patient health record. A grade of "C" or better is required in this course to take the next course. (2:3). Lab fee. Health Information Management Discipline. W

### MRMT Medical Credits 2433 Transcription II 4

Transcription of medical reports with increasing speed and accuracy including history and physicals, consultations, discharge summaries, operative reports, and other medical reports. A grade of "C" or better is required in this course to take the next course. (3:4). Lab fee. Health Information Management Discipline. **W** 

# MRMT Clinical-Medical Credits 2462 Transcription/ 4 Transcriptionist I

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. (0:18). Professional Practice Insurance required. Health Information Management Discipline. W

# MRMT Clinical-Medical Credits 2463 Transcription/ 4 Transcriptionist II

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. (0:16). Professional Practice Insurance required. Health Information Management Discipline. W

# MUAP Introduction to Individual Credits 1101 Instruction in Stringed 1 Instrument I [F]

Provides individual instruction for the non-music major or an entering music major needing remedial work on violin, viola, cello, or string bass. This course is available when the principal instrument is in the string group. Provides one half-hour lesson per week. (1:0). *Music Discipline*. **T** 

# MUAP Introduction to Individual Credits 1102 Instruction in Stringed 1 Instrument II [F]

Continues individual instruction for the non-music major or an entering music major needing remedial work on violin, viola, cello, or string bass. This course is available when the principal instrument is in the string group. Provides one half-hour lesson per week. Must attend weekly departmental/studio recitals and perform twice in recital and a jury at the end of the semester. (1:0). Music Discipline. **T** 

# MUAP Introduction to Individual Credits 1117 Instruction in Woodwind 1 Instrument I [F]

Provides individual instruction for the non-music major or an entering music major needing remedial work on flute, oboe, clarinet, saxophone, or bassoon. This course is available when the principal instrument is in the woodwind group. Provides one half-hour lesson per week. (1:0). *Music Discipline*. **T** 

# MUAP Introduction to Individual Credits 1118 Instruction in Woodwind 1 Instrument II [F]

Continues individual instruction for the non-music major or an entering music major needing remedial work on flute, oboe, clarinet, saxophone, or bassoon. This course is available when the principal instrument is in the woodwind group. Provides one half-hour lesson per week. Must attend weekly departmental/studio recitals and perform twice in recital and a jury at the end of the semester. (1:0). Music Discipline. **T** 

# MUAP Introduction to Individual Credits 1137 Instruction in Brass 1 Instrument I [F]

Provides individual instruction for the non-music major or an entering music major needing remedial work on trumpet, horn, trombone, euphonium, or tuba. This course is available when the principal instrument is in the brass family. Provides one half-hour lesson per week (1:0). *Music Discipline*. **T** 

# MUAP Introduction to Individual Credits 1138 Instruction in Brass 1 Instrument II [F]

Continues individual instruction for the non-music major or an entering music major needing remedial work on trumpet, horn, trombone, euphonium, or tuba. This course is available when the principal instrument is in the brass family. Provides one half-hour lesson per week. Must attend weekly departmental/studio recitals and perform twice in recital and a jury at the end of the semester. (1:0). Music Discipline. **T** 

# MUAP Introduction to Individual Credits 1157 Instruction in Percussion 1 Instrument I [F]

Provides individual instruction for the non-music major or an entering music major needing remedial work on percussion instruments. This course is available when the principal instrument is in the percussion family. Provides one half-hour lesson per week. (1:0). *Music Discipline*. **T** 

# MUAP Introduction to Individual Credits 1158 Instruction in Percussion 1 Instrument II [F]

Continues individual instruction for the non-music major or an entering music major needing remedial work on percussion instruments. This course is available when the principal instrument is in the percussion family. Provides one half-hour lesson per week. Must attend weekly departmental/studio recitals and perform twice in recital and a jury at the end of the semester. (1:0). Music Discipline. **T** 

# MUAP Introduction to Individual Credits 1161 Instruction in Guitar 1 Instrument I [F]

Provides individual instruction for the non-music major or an entering music major needing remedial work on guitar instruments. This course is available when the principal instrument is in the guitar family. Provides one half-hour lesson per week. (1:0). *Music Discipline*. **T** 

# MUAP Introduction to Individual Credits 1162 Instruction in Guitar 1 Instrument II [F]

Provides individual instruction for the non-music major or an entering music major needing remedial work on guitar instruments. This course is available when the principal instrument is in the guitar family. Provides one half-hour lesson per week. Must attend weekly departmental/studio recitals and perform twice in recital and a jury at the end of the semester. (1:0). Music Discipline. **T** 

# MUAP Introduction to Individual Credits 1165 Instruction in Keyboard 1 Instrument I [F]

Provides individual instruction for the non-music major or an entering music major needing remedial work on keyboard instruments. This course is available when the principal instrument is in the keyboard family. Provides one half-hour lesson per week. (1:0). *Music Discipline*. **T** 

# MUAP Introduction to Individual Credits 1166 Instruction in Keyboard 1 Instrument II [F]

Continues individual instruction for the non-music major or an entering music major needing remedial work on keyboard instruments. This course is available when the principal instrument is in the keyboard family. Provides one half-hour lesson per week. Must attend weekly departmental/studio recitals and perform twice in recital and a jury at the end of the semester. (1:0). Music Discipline. **T** 

# MUAP Introduction to Individual Credits 1181 Instruction in Voice 1 Instrument I [F]

Provides individual instruction for the non-music major or an entering music major needing remedial vocal work. This course is available when the principal instrument is voice. Provides one half-hour lesson per week. (1:0). *Music Discipline*. **T** 

# MUAP Introduction to Individual Credits 1182 Instruction in Voice 1 Instrument II

Continues individual instruction for the non-music major or an entering music major needing remedial vocal work. This course is available when the principal instrument is voice. Provides one half-hour lesson per week. Must attend weekly departmental/studio recitals and perform twice in recital and a jury at the end of the semester. (1:0). Music Discipline. **T** 

# MUAP Individual Instruction in 1201 Stringed Instrument I 2 [F]

Provides individual study of violin, viola, cello, bass, and string bass. This course is required when the principal instrument is in the string group. Provides one one-hour lesson and nine practice hours per week. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

# MUAP Individual Instruction in 1202 Stringed Instrument II 2 [F]

Continues individual study of violin, viola, cello, bass, and string bass. This course is required when the principal instrument is in the string group. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 1201. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

# MUAP Individual Instruction in Credits 1217 Woodwind Instrument I 2 [F]

Provides individual study of flute, oboe, clarinet, saxophone, and other instruments in the woodwind group. This course is required when the principal instrument is in the woodwind group. Provides one one-hour lesson and nine practice hours per week. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

# MUAP Individual Instruction in 1218 Woodwind Instrument II 2 [F]

Continues individual study of flute, oboe, clarinet, saxophone, and other instruments in the woodwind group. This course is required when the principal instrument is in the woodwind group. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 1217. (2:0). Individual Instruction fee. Music Discipline. T

# MUAP Individual Instruction in 1237 Brass Instrument I 2 [F]

Provides individual study of trumpet, trombone, French horn, tuba, baritone, sousaphone, and other instruments in the brass group. This course is required when the principal instrument is in the brass group. Provides one one-hour lesson and nine practice hours per week. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

# MUAP Individual Instruction in 1238 Brass Instrument II 2 [F]

Continues individual study of trumpet, trombone, French horn, tuba, baritone, sousaphone and other instruments in the brass group. This course is required when the principal instrument is in the brass group. Provides one one-hour lesson and nine practice hours per week. **Requires Music Coordinator's approval. Prerequisite: MUAP 1237. (2:0). Individual Instruction fee.** *Music Discipline.* **T** 

# MUAP Individual Instruction in 1257 Percussion Instrument I 2 [F]

Provides individual study of snare drum, kettledrum, bass drum, cymbals, bells, and other percussion instruments. This course is required when the principal instrument is percussion. Provides one one-hour lesson and nine practice hours per week. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

# MUAP Individual Instruction in 1258 Percussion Instrument II 2 [F]

Continues individual study of snare drum, kettledrum, bass drum, cymbals, bells, and other percussion instruments. This course is required when the principal instrument is percussion. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 1257. (2:0). Individual Instruction fee. Music Discipline. T

# MUAP Individual Instruction in Credits 1261 Guitar Instrument I 2 [F]

Provides individual study of guitar. This course is required when guitar is the principal instrument. Provides one one-hour lesson and nine practice hours per week. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

## MUAP Individual Instruction in Credits 1262 Guitar Instrument II 2 [F]

Continues individual study of guitar. This course is required when guitar is the principal instrument. Provides one one-hour lesson and nine practice hours per week. **Requires Music Coordinator's approval. Prerequisite: MUAP 1261. (2:0). Individual Instruction fee.** *Music Discipline.* **T** 

### MUAP Individual Instruction in Credits 1265 Keyboard Instrument I 2

Provides individual study of piano and other keyboard instruments. This course is required when the principal instrument is in the keyboard group. Provides one one-hour lesson and nine practice hours per week. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

# MUAP Individual Instruction in Credits 1266 Keyboard Instrument II 2 [F]

Continues individual study of piano and other keyboard instruments. This course is required when the principal instrument is in the keyboard group. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 1265. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

## MUAP Individual Instruction Credits 1281 in Voice I 2

Provides individual study of voice. This course is required when the principal instrument is voice. Provides one one-hour lesson and nine practice hours per week. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

# MUAP Individual Instruction Credits 1282 in Voice II 2 [F]

Continues individual study of voice. This course is required when the principal instrument is voice. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 1281. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

# MUAP Individual Instruction in 2201 Stringed Instrument III 2 [F]

Continues individual study of violin, viola, cello, bass, and string bass. This course is required when the principal instrument is in the string group. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 1202. (2:0). Individual Instruction fee. Music Discipline. T

# MUAP Individual Instruction in 2202 Stringed Instrument IV 2 [F]

Continues individual study of violin, viola, cello, bass, and string bass. This course is required when the principal instrument is in the string group. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 2201. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

# MUAP Individual Instruction in 2219 Woodwind Instrument III 2 [F]

Continues individual study of flute, oboe, clarinet, saxophone, and other instruments in the woodwind group. This course is required when the principal instrument is in the woodwind group. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 1218. (2:0). Individual Instruction fee. Music Discipline. T

# MUAP Individual Instruction in Credits 2220 Woodwind Instrument IV 2 [F]

Continues individual study of flute, oboe, clarinet, saxophone, and other instruments in the woodwind group. This course is required when the principal instrument is in the woodwind group. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 2219. (2:0). Individual Instruction fee. Music Discipline. T

## MUAP Individual Instruction in Credits 2239 Brass Instrument III 2 [F]

Continues individual study of trumpet, trombone, French horn, tuba, baritone, sousaphone, and other instruments in the brass group. This course is required when the principal instrument is in the brass group. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 1238. (2:0). Individual Instruction fee. Music Discipline. T

# MUAP Individual Instruction in Credits 2240 Brass Instrument IV 2 [F]

Continues individual study of trumpet, trombone, French horn, tuba, baritone, sousaphone, and other instruments in the brass group. This course is required when the principal instrument is in the brass group. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 2239. (2:0). Individual Instruction fee. Music Discipline. T

## MUAP Individual Instruction in Credits 2259 Percussion Instrument III 2 [F]

Continues individual study of snare drum, kettledrum, bass drum, cymbals, bells, and other percussion instruments. This course is required when the principal instrument is percussion. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 1258. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

#### MUAP Individual Instruction in Credits 2260 Percussion Instrument IV 2 [F]

Continues individual study of snare drum, kettledrum, bass drum, cymbals, bells, and other percussion instruments. This course is required when the principal instrument is percussion. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 2259. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

# MUAP Individual Instruction in Credits 2261 Guitar Instrument III 2 [F]

Continues individual study of guitar. This course is required when guitar is the principal instrument. Provides one one-hour lesson and nine practice hours per week. **Requires Music Coordinator's approval. Prerequisite: MUAP 1262. (2:0). Individual Instruction fee.** *Music Discipline.* **T** 

# MUAP Individual Instruction in 2262 Guitar Instrument IV 2 [F]

Continues individual study of guitar. This course is required when guitar is the principal instrument. Provides one one-hour lesson and nine practice hours per week. **Requires Music Coordinator's approval. Prerequisite: MUAP 2261. (2:0). Individual Instruction fee.** *Music Discipline.* **T** 

# MUAP Individual Instruction in Credits 2267 Keyboard Instrument III 2 [F]

Continues individual study of piano and other keyboard instruments. This course is required when the principal instrument is in the keyboard group. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 1266. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

## MUAP Individual Instruction in Credits 2268 Keyboard Instrument IV 2 [F]

Continues individual study of piano and other keyboard instruments. This course is required when the principal instrument is in the keyboard group. Provides one one-hour lesson and nine practice hours per week. Requires Music Coordinator's approval. Prerequisite: MUAP 2267. (2:0). Individual Instruction fee. *Music Discipline*. **T** 

## MUAP Individual Instruction Credits 2283 in Voice III 2 [F]

Continues individual study of voice. This course is required when the principal instrument is voice. Provides one one-hour lesson and nine practice hours per week. **Requires Music Coordinator's approval. Prerequisite: MUAP 1282.** (2:0). **Individual Instruction fee.** *Music Discipline.* **T** 

# MUAP Individual Instruction Credits 2284 in Voice IV 2 [F]

Continues individual study of voice. This course is required when the principal instrument is voice. Provides one one-hour lesson and nine practice hours per week. **Requires Music Coordinator's approval. Prerequisite: MUAP 2283.** (2:0). **Individual Instruction fee.** *Music Discipline.* **T** 

### MUEN Concert Band I Credits 1121 [F] 1

Provides rehearsal and performance of contemporary and traditional concert band literature. Open to all brass, woodwind, and percussion instrumentalists with previous experience and music-reading proficiency. Students must provide their own instrument. Three rehearsal hours per week. **(0:3).** *Music Discipline.* **T** 

### MUEN Concert Band II Credits 1122 [F] 1

Continues rehearsal and performance of contemporary and traditional concert band literature. Open to all brass, woodwind, and percussion instrumentalists with previous experience and music-reading proficiency. Students must provide their own instrument. Three rehearsal hours per week.

Prerequisite: MUEN 1121. (0:3). Music Discipline. **T** 

### MUEN Orchestra I Credits 1123 [F] 1

Provides rehearsal and performance of contemporary and traditional orchestral literature. Open to all string, brass, woodwind, and percussion instrumentalists with previous experience and music-reading proficiency. Students must provide their own instrument. Three rehearsal hours per week. **(0:3).** *Music Discipline.* **T** 

### MUEN Orchestra II Credits 1124 [F] 1

Continues rehearsal and performance of contemporary and traditional orchestral literature. Open to all string, brass, woodwind, and percussion instrumentalists with previous experience and music-reading proficiency. Students must provide their own instrument. Three rehearsal hours per week. **Prerequisite:** MUEN 1123. (0:3). *Music Discipline.* **T** 

### MUEN Mariachi I Credits 1131 [F] 1

Presents a string and brass ensemble which performs traditional folk music and modern Mexican music. Membership is open; previous music experience and proficiency with instruments are required. Includes performances for special occasions on and off campus. Three rehearsal hours per week. (0:3). Music Discipline. **T** 

### MUEN Mariachi II Credits 1132 [F] 1

Continues the presentation of a string and brass ensemble which performs traditional folk music and modern Mexican music. Membership is open; previous music experience and proficiency with instruments are required. Includes performances for special occasions on and off campus. Three rehearsal hours per week. **Prerequisite: MUEN 1131. (0:3).** *Music Discipline.* **T** 

### MUEN Guitar Ensemble I Credits 1133 [F] 1

Provides ensemble instruction in folk, classical, and contemporary music presentation. (0:3). *Music Discipline*. **T** 

### MUEN Guitar Ensemble II Credits 1134 [F] 1

Continues ensemble instruction in folk, classical, and contemporary music presentation. **Prerequisite: MUEN 1133. (0:3).** *Music Discipline.* **T** 

### MUEN Percussion Ensemble I Credits 1135 [F] 1

Develops musical skills through the study and performance of a wide variety of ensemble literature from the sixteenth through the twentieth century. Open to all string, woodwind, brass, percussion, and piano students. (0:3). *Music Discipline*. **T** 

### MUEN Percussion Ensemble II Credits 1136 [F] 1

Continues the development of musical skills through the study and performance of a wide variety of ensemble literature from the sixteenth through the twentieth century. Open to all string, woodwind, brass, percussion, and piano students.

Prerequisite: MUEN 1135. (0:3). Music Discipline. T

### MUEN Jazz Ensemble I Credits 1137 [F] 1

Offers performance in a wide variety of music in the popular and contemporary idioms. Stresses improvisation techniques and interpreting various jazz styles. Open to woodwind, brass, and rhythm instrumentalists. (0:3). Music Discipline. **T** 

### MUEN Jazz Ensemble II Credits 1138 [F] 1

Continues performance in a wide variety of music in the popular and contemporary idioms. Stresses improvisation techniques and interpreting various jazz styles. Open to woodwind, brass, and rhythm instrumentalists. **Prerequisite: MUEN 1137. (0:3).** *Music Discipline.* **T** 

### MUEN Chorus I Credits 1141 [F] 1

Trains students in popular, classical, and contemporary ensemble music presentation. Choral techniques and group vocal placement, breathing, and diction are taught. (0:3). *Music Discipline.* **T** 

#### **MUEN Chorus II Credits** 1142 [F]

Continues training students in popular, classical, and contemporary ensemble music presentation. Choral techniques and group vocal placement, breathing, and diction are taught. Prerequisite: MUEN 1141. (0:3). Music Discipline. T

#### **MUEN Concert Band III Credits** 2121 [F]

Continues rehearsal and performance of contemporary and traditional concert band literature. Open to all brass, woodwind, and percussion instrumentalists with previous experience and music-reading proficiency. Students must provide their own instrument. Three rehearsal hours per week. Prerequisite: MUEN 1122. (0:3). Music Discipline. T

#### **MUEN Concert Band IV Credits** 2122 [F]

Continues rehearsal and performance of contemporary and traditional concert band literature. Open to all brass, woodwind, and percussion instrumentalists with previous experience and music-reading proficiency. Students must provide their own instrument. Three rehearsal hours per week. Prerequisite: MUEN 2121. (0:3). Music Discipline. T

#### **MUEN Orchestra III Credits** 2123 [F]

Continues rehearsal and performance of contemporary and traditional orchestral literature. Open to all string, brass, woodwind, and percussion instrumentalists with previous experience and music-reading proficiency. Students must provide their own instrument. Three rehearsal hours per week.

Prerequisite: MUEN 1124. (0:3). Music Discipline. T

#### Orchestra IV MUEN **Credits** 2124 [F]

Continues rehearsal and performance of contemporary and traditional orchestral literature. Open to all string, brass, woodwind, and percussion instrumentalists with previous experience and music-reading proficiency. Students must provide their own instrument. Three rehearsal hours per week. Prerequisite: MUEN 2123. (0:3). Music Discipline. T

**MUEN** Mariachi III **Credits** 

#### 2131 [F]

Continues presenting a string and brass ensemble which performs traditional folk music and modern Mexican music. Membership is open; previous music experience and proficiency with instruments are required. Includes performances for special occasions on and off campus. Three rehearsal hours per week. Prerequisite: MUEN 1132. (0:3). Music Discipline. T

#### **MUEN** Mariachi IV Credits 2132 [F]

Continues to present a string and brass ensemble which performs traditional folk music and modern Mexican music. Membership is open; previous music experience and proficiency with instruments are required. Includes performances for special occasions on and off campus. Three rehearsal hours per week. Prerequisite: MUEN 2131. (0:3). Music Discipline. **T** 

#### **MUEN Guitar Ensemble III** Credits 2133

Continues ensemble instruction in folk, classical, and contemporary music presentation. Prerequisite: MUEN 1134. (0:3). Music Discipline. T

#### MUEN **Guitar Ensemble IV Credits** 2134 [F]

Continues ensemble instruction in folk, classical, and contemporary music presentation. Prerequisite: MUEN 2133. (0:3). Music Discipline. T

#### **MUEN Percussion Ensemble III** Credits 2135 [F]

Continues developing musical skills through the study and performance of a wide variety of ensemble literature from the sixteenth through the twentieth century. Open to all string, woodwind, brass, percussion, and piano students.

Prerequisite: MUEN 1136. (0:3). Music Discipline. T

#### **Percussion Ensemble IV MUEN Credits** 2136 [F]

Continues to develop musical skills through the study and performance of a wide variety of ensemble literature from the sixteenth through the twentieth century. Open to all string, woodwind, brass, percussion, and piano students.

Prerequisite: MUEN 2135. (0:3). Music Discipline. T

#### MUEN **Jazz Ensemble III** Credits 2137 [F]

Continues performance in a wide variety of music in the popular and contemporary idioms. Stresses improvisation techniques and interpreting various jazz styles. Open to woodwind, brass, and rhythm instrumentalists. Prerequisite: MUEN 1138. (0:3). Music Discipline. **T** 

#### Jazz Ensemble IV **MUEN** Credits 2138 [F]

Continues performance in a wide variety of music in the popular and contemporary idioms. Stresses improvisation techniques and interpreting various jazz styles. Open to woodwind, brass, and rhythm instrumentalists. Prerequisite: MUEN 2137. (0:3). Music Discipline. T

#### **MUEN Chorus III Credits** 2141 [F]

Continues training students in popular, classical, and contemporary ensemble music presentation. Choral techniques and group vocal placement, breathing, and diction are taught. Prerequisite: MUEN 1142. (0:3). Music Discipline. T

### MUEN Chorus IV Credits 2142 [F] 1

Continues training students in popular, classical, and contemporary ensemble music presentation. Choral techniques and group vocal placement, breathing, and diction are taught. **Prerequisite: MUEN 2141. (0:3).** *Music Discipline.* **T** 

### MUSC MIDI I Credits 1331 3

Exploration of Musical Instrument Digital Interface (MIDI) systems and applications. Includes the MIDI language and applications in the studio environment using software-based sequencing programs. (2:2). *Music Discipline*. **W** 

### MUSC MIDI II Credits 2355 3

Advanced MIDI concepts and techniques. Includes synchronizing MIDI and audio and advanced sequencer operation. (2:2). *Music Discipline*. **W** 

## MUSI Sight Singing & Credits 1116 Ear Training I 1 [F]

Singing tonal music in treble and bass clefs, and aural study of elements of music, such as scales, intervals and chords, and dictation of basic rhythm, melody and diatonic harmony. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. Corequisite: MUSI 1311. (1:1). Music Discipline. T

# MUSI Sight Singing & Credits 1117 Ear Training II 1 [F]

Singing tonal music in various clefs, continued aural study of the elements of music, and dictation of intermediate rhythm, melody and diatonic harmony. **Prerequisite: MUSI 1116. Corequisite: MUSI 1312.** (1:1). *Music Discipline.* **T** 

#### MUSI Piano Credits 1181 Class I 1

Beginning class instruction in the fundamentals of keyboard technique. Open to all. **Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313.** (0:3). Lab fee. *Music Discipline.* **T** 

### MUSI Piano Credits 1182 Class II 1

Advanced beginning class instruction in the fundamentals of keyboard technique. Open to all. **Prerequisite: MUSI 1181.** (0:3). Lab fee. *Music Discipline*. **T** 

### MUSI Guitar Credits 1192 Class 1

Class instruction in fundamental guitar playing, including technique, music-reading, fretboard theory, melodic and harmonic realizations. Open to all. (0:3). *Music Discipline*. **T** 

### MUSI Music Appreciation Credits 1306 [C] 3

Understanding music through the study of cultural periods, major composers, and musical elements, illustrated with audio recordings and live performances. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Music Discipline. T

### MUSI Music Literature Credits 1307 [F] 3

A survey of the styles and forms of music as it developed from the middle ages to the present. This course will familiarize the student with cultural context, terminology, genres, and notation. Recommended for students with some background in music and assumes the ability to read music. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Music Discipline.

### MUSI American Music Credits 1310 [C] 3

A general survey of various styles of music of the Americas, including but not limited to jazz, folk, rock, and contemporary music. Open to all. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Music Discipline. T

### MUSI Music Theory I Credits 1311 [F] 3

The study of analysis and writing of tonal melody and diatonic harmony, including fundamental music concepts, scales, intervals, chords, seventh chords, and early four-part writing. Analysis of small compositional forms. Optional correlated study at the keyboard. Open to all. **Corequisite: MUSI 1116.** (2:4). Lab Fee. *Music Discipline*. **T** 

### MUSI Music Theory II Credits 1312 [F] 3

The study of analysis and writing of tonal melody and diatonic harmony, including all diatonic chords and seventh chords in root position and inversions, non-chord tones, and functional harmony. Introduction to more complex topics, such as modulation, may occur. Optional correlated study at the keyboard. Open to all. Prerequisite: MUSI 1311 with a "C" or better, or with permission from the Music Program Coordinator. Corequisite: MUSI 1117. (3:0). *Music Discipline*. **T** 

# MUSI Sight Singing & Credits 2116 Ear Training III 1 [F]

Singing more difficult tonal music in various clefs, aural study including dictation of more complex rhythm, melody, chromatic harmony, and extended tertian structures. **Prerequisite: MUSI 1117. Corequisite: MUSI 2311. (1:1).** *Music Discipline.* **T** 

# MUSI Sight Singing & Credits 2117 Ear Training IV 1 [F]

Singing advanced tonal music and introduction of modal and post-tonal melodies. Aural study including dictation of advanced rhythm, melody, and harmony. **Prerequisite: MUSI 2116.** Corequisite: MUSI 2312. (1:1). *Music Discipline.* **T** 

### MUSI Music Theory III Credits 2311 [F] 3

Advanced harmony voice leading, score analysis and writing of more advanced tonal harmony including chromaticism and extended-tertian structures. Optional correlated study at the keyboard. Open to all. Prerequisite: MUSI 1312 with a "C" or better, or with permission from the Music Program Coordinator. Corequisite: MUSI 2116. (3:0). Music Discipline. **T** 

### MUSI Music Theory IV Credits 2312 [F] 3

Continuation of advanced chromaticism and survey of analytical and compositional procedures in post-tonal music. Optional correlated study at the keyboard. Open to all. Prerequisite: MUSI 2311 with a "C" or better, or with permission from the Music Program Coordinator. Corequisite: MUSI 2117. (3:0). Music Discipline. T

# N

### NCBM Non-Course Based Credits 0114 Instruction for MATH 1314 1

Reviews the material covered in MATH 1314, College Algebra. This material is reordered for a "just-in-time" to complement the MATH 1314 material. This course is a Non-Course Based Option that supports students whose placement scores indicate that they can succeed in MATH 1314 with coenrollment in NCBM 0114. Prerequisite: Placement by TSIA2 or equivalent. Corequisite: MATH 1314. (1:0). *Mathematics Discipline*.

#### NCBM Non-Course Based Credits 0124 Instruction for MATH 1324 1

Reviews the material covered in MATH 1324, Mathematics for Business & Social Sciences. This material is reordered for a "just-in-time" to complement the MATH 1324 material. This course is a Non-Course Based Option that supports students whose placement scores indicate that they can succeed in MATH 1324 with co-enrollment in NCBM 0124. Prerequisite: Placement by TSIA2 or equivalent. Corequisite: MATH 1324. (1:0). *Mathematics Discipline*.

#### NCBM Non-Course Based Credits 0132 Instruction for MATH 1332 1

Reviews the material covered in MATH 1332, Contemporary Mathematics (Quantitative Reasoning). This material is reordered for a "just-in-time" to complement the MATH 1332 material. This course is a Non-Course Based Option that supports students whose placement scores indicate that they can succeed in MATH 1332 with co-enrollment in NCBM 0132. Prerequisite: Placement by TSIA2 or equivalent. Corequisite: MATH 1332. (1:0). *Mathematics Discipline*.

#### NCBM Non-Course Based Credits 0142 Instruction for MATH 1342 1

Reviews the material covered in MATH 1342, Elementary Statistical Methods. This material is reordered for a "just-in-time" to complement the MATH 1342 material. This course is a Non-Course Based Option that supports students whose placement scores indicate that they can succeed in MATH 1342 with co-enrollment in NCBM 0142. **Prerequisite:** Placement by TSIA2 or equivalent. Corequisite: MATH 1342. (1:0). *Mathematics Discipline*.

#### NCBM Non-Course Based Credits 0302 Instruction for MATH 3

Provides a deep and intense study of Operations of Real Numbers & Rounding to include whole numbers, integers, fractions, decimals, ratios, and percents. The course will also dive deep into solving equations. Provides introduction to factoring and will contain study skills throughout the course. **Prerequisite: Placement by TSIA2 or equivalent.** (3:0). *Mathematics Discipline*.

#### NCBM Non-Course Based Credits 0314 Instruction for MATH 1314 3

Provides a "just-in-time" integration of reordered Developmental Skills needed to complement MATH 1314 concepts. This course is a Non-Course Based Option that supports students whose placement scores indicate that they can succeed in MATH 1314 with co-enrollment in NCBM 0314. Prerequisite: Placement by TSIA2 or equivalent; OR completion of NCBM 0302 with a "C" or better. Corequisite: MATH 1314. (3:0). Mathematics Discipline.

### NCBM Non-Course Based Credits 0324 Instruction for MATH 1324 3

Provides a "just-in-time" integration of reordered Developmental Skills needed to complement MATH 1324 concepts. This course is a Non-Course Based Option that supports students whose placement scores indicate that they can succeed in MATH 1324 with co-enrollment in NCBM 0324. Prerequisite: Placement by TSIA2 or equivalent; OR completion of NCBM 0302 with a "C" or better. Corequisite: MATH 1324. (3:0). Mathematics Discipline.



### OSHT OSHA Regulations-1305 Construction Industry 3

A study of Occupational Safety and Health Administration (OSHA) regulations pertinent to the construction industry. (3:0). Renewable Energy Technology Systems Discipline. **W** 

# P

### PHIL Introduction to Philosophy Credits 1301 [C] 3

A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics may include theories of reality, theories of knowledge, theories of value, and their practical applications. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Philosophy Discipline. T

### PHIL Introduction to Credits 1304 World Religions 3

A comparative study of world religions, including but not limited to Hinduism, Buddhism, Judaism, Christianity, and Islam. (3:0). *Philosophy Discipline*. **T** 

### PHIL Introduction to Formal Logic Credits 2303 [C] 3

The purpose of the course is to introduce the student to symbolic logic, including syllogisms, propositional and predicate logic, and logical proofs in a system of rules. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Philosophy Discipline. **T** 

### PHIL Introduction to Ethics Credits 2306 [C] 3

The systematic evaluation of classical and/or contemporary ethical theories concerning the good life, human conduct in society, morals, and standards of value. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Philosophy Discipline. T

### PHIL Introduction to Social & Credits 2307 Political Philosophy 3

A study of major issues in social and political theory and/or the work of major philosophical figures in this area. (3:0). *Philosophy Discipline.* **T** 

#### PHIL Classical Credits 2316 Philosophy 3

Study of major philosophers and philosophical themes from the ancient through medieval periods. (3:0). *Philosophy Discipline.*  $\bf T$ 

### PHIL Philosophy of Credits 2321 Religion 3

A study of the major issues in the philosophy of religion such as the existence and nature of God, the relationships between faith and reason, the nature of religious language, religious experience, and the problem of evil. (3:0). *Philosophy Discipline*. **T** 

#### PHRA Pharmacy Credits 1215 Terminology 2

A study of word origins and structure through the introduction of prefixes, suffixes, and root words as it relates to a pharmaceutical setting. Focuses on translation and recognition of commonly used pharmacy abbreviations. A grade of "C" or better is required in this course to take the next course. (2:0). *Pharmacy Technology Discipline*. **W** 

#### PHRA Pharmacy Technician Credits 1243 Certification Review 2

A review of major topics covered on the national Pharmacy Technician Certification Examination (PTCE). A grade of "C" or better is required in this course to take the next course. Prerequisites: PHRA 1309 and PHRA 1413. (2:1). Pharmacy Mock Exam fee. Lab fee. Pharmacy Technology Discipline. W

### PHRA Clinical-Pharmacy Credits 1261 Technician/Assistant I 2

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. **Prerequisites: PHRA 1309 and PHRA 1413. (0:8). Professional Practice Insurance required.** *Pharmacy Technology Discipline.* **W** 

### PHRA Pharmacotherapy and Credits 1304 Disease Process 3

A study of the disease state and therapeutic properties of drugs used in pharmaceutical therapy. A grade of "C" or better is required in this course to take the next course (3:0). *Pharmacy Technology Discipline*. **W** 

### PHRA Computerized Drug Credits 1306 Delivery Systems 3

Fundamentals of pharmacy computer information systems and technology within the health care system. Includes specialized skills in the production of pharmaceutical documentation using selected pharmacy software packages and an overview of equipment and devices for drug distribution and preparation. A grade of "C" or better is required in this course to take the next course. (1:4). Lab fee. *Pharmacy Technology Discipline*. **W** 

### PHRA Pharmaceutical Credits 1309 Mathematics I 3

Solving pharmaceutical calculation problems encountered in the preparation and distribution of drugs. A grade of "C" or better is required in this course to take the next course. (3:1). Lab fee. *Pharmacy Technology Discipline*. **W** 

#### PHRA Compounding Sterile Credits 1345 Preparations 3

The process of compounding sterile preparations and aseptic technique within legal and regulatory guidelines specified by USP <797> standards. A grade of "C" or better is required in this course to take the next course. **Prerequisite: PHRA 1309.** (2:3). **Lab fee.** *Pharmacy Technology Discipline.* **W** 

### PHRA Pharmaceutical Credits 1347 Mathematics II 3

Advanced concepts of Pharmaceutical Mathematics. A grade of "C" or better is required in this course to take the next course. **Prerequisite: PHRA 1309.** (3:0). *Pharmacy Technology Discipline.* **W** 

### PHRA Community Credits 1413 Pharmacy Practice 4

Introduction to the skills necessary to process, prepare, label, and maintain records of prescriptions in a community pharmacy to include customer service, count and pour techniques, prescription calculations, drug selection and preparation, over-the-counter drugs, inventory management and legal parameters. A grade of "C" or better is required in this course to take the next course. (3:2). Lab fee. *Pharmacy Technology Discipline*. **W** 

### PHRA Pharmacy Drug Credits 1541 Therapy and Treatment 5

Study of therapeutic agents, their classifications, properties, actions, and effects on the human body and their role in the management of disease. Provides detailed information regarding drug dosages, side effects, interactions, toxicities, and incompatibilities. A grade of "C" or better is required in this course to take the next course. (5:1). Lab fee. Pharmacy Technology Discipline. W

#### PHRA Clinical-Pharmacy Credits 2160 Technician/Assistant II 1

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisite: PHRA 1309. (0:6). Professional Practice Insurance required. Pharmacy Technology Discipline. W

#### PHRA Clinical-Pharmacy Credits 2161 Technician/Assistant III 1

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisite: PHRA 1309. (0:6). Professional Practice Insurance required. Pharmacy Technology Discipline. W

### PHYS College Physics I Credits 1101 (Lab) 1

This laboratory-based course accompanies PHYS 1301, College Physics I. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; emphasis will be on problem solving. **Corequisite: PHYS 1301. (0:3). Lab fee.** *Physics Discipline.* **T** 

#### PHYS College Physics II Credits 1102 (Lab) 1

This laboratory-based course accompanies PHYS 1302, College Physics II. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving. Prerequisite: PHYS 1101 with a "C" or better. Corequisite: PHYS 1302. (0:3) Lab fee. Physics Discipline. T

### PHYS Physical Science I (Lab) Credits 1115 [F] 1

This laboratory-based course accompanies PHYS 1315, Physical Science I. Course designed for non-science majors that surveys topics from physics, chemistry, geology, astronomy, and meteorology. Corequisite: PHYS 1315. (0:2). Lab fee. Physics Discipline. **T** 

### PHYS College Physics I (Lecture) Credits 1301 [C] 3

Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving. May be counted as science credit for non-science and Health Career majors. Prerequisites: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313; and MATH 1314 or MATH 2412 with a "C" or better or by placement exam. Corequisite: PHYS 1101. (3:0). Physics Discipline. T

### PHYS College Physics II (Lecture) Credits 1302 [C] 3

Fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving. May be counted as science credit for non-science and Health Career majors. Prerequisite: PHYS 1301 and 1101 with a "C" or better. Corequisite: PHYS 1102. (3:0). Physics Discipline. T

### PHYS Physical Science I (Lecture) Credits 1315 [CF] 3

Course designed for non-science majors that surveys topics from physics, chemistry, geology, astronomy, and meteorology. May be counted as science credit for non-science majors. Prerequisite: Completion of College Level Mathematics (MATH 1314 or 1324 or 1332 or 1342) with a "C" or better. Corequisite: PHYS 1115. (3:0). *Physics Discipline.* **T** 

### PHYS University Physics I Credits 2125 (Lab) 1

Basic laboratory experiments supporting theoretical principles presented in PHYS 2325 involving the principles and applications of classical mechanics, including harmonic motion and physical systems; experimental design, data collection and analysis, and preparation of laboratory reports. Corequisite: PHYS 2325. (0:3). Lab fee. *Physics Discipline*. T

### PHYS University Physics II Credits 2126 (Lab) 1

Laboratory experiments supporting theoretical principles presented in PHYS 2326 involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics; experimental design, data collection and analysis, and preparation of laboratory reports. Corequisite: PHYS 2326. (0:3). Lab fee. *Physics Discipline*. **T** 

### PHYS University Physics I (Lecture) Credits 2325 [C] 3

Fundamental principles of physics, using calculus, for science, computer science, and engineering majors; the principles and applications of classical mechanics, including harmonic motion, physical systems and thermodynamics; and emphasis on problem solving. **Prerequisite: MATH 2413 with a "C" or better. Corequisite: PHYS 2125. (3:0).** *Physics Discipline.* **T** 

#### PHYS University Physics II Credits 2326 (Lecture) 3 [C]

Principles of physics for science, computer science, and engineering majors, using calculus, involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics. Prerequisites: PHYS 2325 and PHYS 2125 with a "C" or better and MATH 2314 with a "C" or better. Corequisite: PHYS 2126. (3:0). Physics Discipline. T

#### PLTC Introduction Credits 1301 to Plastics 3

A survey course designed to introduce the student to the field of plastics. An overview of thermoplastic and thermoset materials and the major processing methods utilized by industry. Emphasis on the operation of lab equipment and process methods associated with the materials and end products. (2:3). Lab fee. Industrial Manufacturing Option Discipline. W

### PLTC Mold Design Credits 1343 and Maintenance 3

A study of the basic design parameters of plastic injection molds including mold flow, nominal walls projection, depressions, ejector systems, runners, gates, parting lines, and general mold configurations. Emphasis on maintenance techniques on in-house molds. Covers essential rules for designing molds for amorphous, crystalline and thermoset plastics. (2:3). Lab fee. Machining Technology Discipline. W

### POFI Computer Credits 1104 Fundamentals 1

Computer application specific software (Microsoft Office Outlook). Emphasizes the concurrent development of office skills and computer knowledge. This course is designed to be repeated multiple times to improve student proficiency. Provides instruction in creating and viewing messages; scheduling appointments and tasks; managing messages; creating and managing contacts, tasks, and notes. (1:1). Lab fee. Business Management Discipline. W

#### POFI Introduction to Credits 1270 Microsoft PowerPoint 2

Provides instruction in the utilization of presentation software to produce multimedia presentations. Covers graphics, text, sound, animation and/or video that may be used in presentation development. (2:1). Lab fee. Business Management Discipline. W

### POFI Spreadsheets Credits 1349 3

Skill development in the concepts, procedures, and application of spreadsheets for business. This course is designed to be repeated multiple times to improve student proficiency. (3:1). Lab fee. Business Management Discipline. W

#### POFI Word Credits 2301 Processing 3

Word processing software focusing on business applications. Covers formatting a document, working with templates, mail merge, tables, and pictures. This course is designed to be repeated multiple times to improve student proficiency. **Prerequisite: POFT 1329. (3:1). Lab fee.** Business Management Discipline. **W** 

### POFI Databases Credits 2350 3

In-depth instruction of database theory and the practical applications of a database. This course is designed to be repeated multiple times to improve student proficiency. (3:1). Lab fee. Business Management Discipline. W

### POFT Business Credits 1301 English 3

Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business. (3:0). Business Management Discipline. **W** 

#### POFT Administrative Office Credits 1309 Procedures I 3

Study of current office procedures, duties, and responsibilities applicable to an office environment. Capstone course. **Prerequisite: POFI 2301.** (3:1). **Lab fee.** *Business Management Discipline.* **W** 

#### POFT Beginning Credits 1329 Keyboarding 3

Skill development in keyboarding techniques. Emphasis on development of acceptable speed and accuracy levels and formatting basic documents. To exit this course, student must keyboard a minimum speed of 25 wpm by touch with 5 or less errors on at least three 5-minute timed writings. Proficiency exam available. (3:1). Lab fee. Business Management Discipline. W

# POFT Cooperative Education-Credits 2380 Administrative Assistant and Secretarial Science, General

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. Second year, second semester standing or approval by instructor. **Prerequisites: POFI 1349 and POFI 2301.** (1:20). Business Management Discipline. **W** 

### PSTR Pies, Tarts, Teacakes Credits 1210 and Cookies 2

Focus on preparation of American and European style pie and tart fillings and dough, cookies, teacakes, custard and batters. Instruction of finishing and presentation techniques. Prerequisites: CHEF 1305 and PSTR 1301. Corequisite: PSTR 1343. (1:4). Lab fee. Culinary Arts and Related Sciences Discipline. W

### PSTR Fundamentals Credits 1301 of Baking 3

Fundamentals of baking including dough, quick breads, pies, cakes, cookies, and tarts. Instruction in flours, fillings, and ingredients. Topics include baking terminology, tool and equipment use, formula conversions, functions of ingredients, and the evaluation of baked products. Corequisites: CHEF 1301 and CHEF 1305. (2:4). Lab fee. Culinary Arts and Related Sciences Discipline. W

### PSTR Breads Credits 1305 and Rolls 3

Concentration on fundamentals of chemically and yeast raised breads and rolls. Instruction on commercial preparation of a wide variety of products. **Prerequisite: PSTR 2331. (2:4). Lab fee.** *Culinary Arts and Related Sciences Discipline.* **W** 

### PSTR Laminated Dough, Pate a Credits 1312 Choux, and Donuts 3

Focus on preparation of laminated dough to include puff pastry, croissant, Danish and a variety of pate a choux products and donuts. Fillings and finishing techniques included. **Prerequisite: PSTR 2331. (2:4). Lab fee.** *Culinary Arts and Related Sciences Discipline.* **W** 

#### PSTR Plated Credits 1340 Desserts 3

Preparation and service of hot and cold desserts with a focus on individual desserts, a la minute preparations, and numerous components within one preparation. Emphasis on station organization, timing, and service coordination for restaurant dessert production. **Prerequisite: PSTR 2331. (2:4). Lab fee.** *Culinary Arts and Related Sciences Discipline.* **W** 

#### PSTR Quantity Bakeshop Credits 1342 Production 3

Advanced baking techniques to include volume production of a variety of breads and desserts. **Prerequisite: PSTR 2264. Corequisite: PSTR 1340. (2:4). Lab fee.** *Culinary Arts and Related Sciences Discipline.* **W** 

#### PSTR Bakery Operations Credits 1343 and Management 3

Introduction to management, marketing, supervision, and sanitation principles required in retail bakery operations. Emphasis on cost control, pricing, computer usage, and personnel issues. **Prerequisite: PSTR 1301. (2:4). Lab fee.** *Culinary Arts and Related Sciences Discipline.* **W** 

# PSTR Practicum (or Field Credits 2264 Experience)-Baking and Pastry Arts/Baker/Pastry Chef I

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Lab is an on-campus experience. Prerequisite: PSTR 2331. Corequisite: PSTR 1305. (0:14). Lab fee. Culinary Arts and Related Sciences Discipline. W

#### PSTR Mexican Breads Credits 2270 and Pastries 2

Focus on the breads, pastries, and other baked products representative of classical Mexican bakeshops. Instruction in finishing and presentation techniques. (1:4). Lab fee. Culinary Arts and Related Sciences Discipline. **W** 

#### PSTR Advanced Credits 2331 Pastry Shop 3

A study of classical desserts, French and international pastries, hot and cold desserts, ice creams and ices, chocolate work, and decorations. Emphasis on advanced techniques. **Prerequisite: PSTR 1343.** (2:4). **Lab fee.** *Culinary Arts and Related Sciences Discipline.* **W** 

### PSYC General Psychology Credits 2301 [CF] 3

General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Psychology Discipline. T

### PSYC Human Sexuality Credits 2306 [C] 3

This course will provide an overview of the broad field of human sexuality. Topics will be covered from various perspectives - biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Psychology Discipline. **T** 

# PSYC Lifespan Growth & Credits 2314 Development 3 [CF]

Lifespan Growth and Development is a study of social, emotional, cognitive and physical factors and influences of a developing human from conception to death. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Psychology Discipline. **T** 

### PSYC Psychology of Credits 2315 Adjustment 3

Study of the processes involved in adjustment of individuals to their personal and social environments. (3:0). *Psychology Discipline*. **T** 

### PSYC Psychology of Credits 2316 Personality 3

Study of various approaches to determinants, development, and assessment of personality. **Prerequisite: PSYC 2301** with a "C" or better, (3:0). *Psychology Discipline*. **T** 

PSYC	Statistical Methods	Credits
2317	in Psychology	3
	[F]	

This course covers descriptive and inferential statistics used in psychological research and assessment. It includes measurement, characteristics of distributions; measures of central tendency and variability; transformed scores; correlation and regression; probability theory; and hypotheses testing and inference. Prerequisites: PSYC 2301 with a "C" or better; and MATH 1314 or 1324. (3:0). Psychology Discipline. T

### PSYC Social Psychology Credits 2319 [F] 3

Study of individual behavior within the social environment. Topics may include socio-psychological processes, attitude formation and change, interpersonal relations, group processes, self, social cognition, and research methods. Prerequisite: PSYC 2301 with a "C" or better. (3:0). Psychology Discipline. T

### PSYC Abnormal Psychology Credits 2320 [F] 3

This course provides an introduction to the psychological, biological, and socio-cultural factors involved in the development, diagnosis, and treatment of psychological disorders. It includes a review of the historical understanding of abnormal behavior and the development of modern diagnostic systems. It includes discussion of psychological research and practice as it relates to mental health and psychological functioning, as well as legal and ethical issues. Prerequisite: PSYC 2301 with a "C" or better. (3:0). Psychology Discipline. T

### PSYC Biological Psychology Credits 2330 [F] 3

An introduction to the biological bases of behavior. Topics include evolution, genetics, research methods in behavioral neuroscience, motivation and emotion, sensation and perception, learning and memory, lifespan development, cognition, psychological disorders, and other complex behaviors. **Prerequisite: PSYC 2301 with a "C" or better.** (3:0). *Psychology Discipline.* **T** 

#### PTHA Practicum (or Field Credits 1166 Experience)-Physical 1 Therapist Assistant

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "B" or better is required in this course to take the next course. Prerequisites: PTHA 1225 and PTHA 1309 and PTHA 1321 and PTHA 1413. (0:7). Lab fee. Professional Practice Insurance required. Physical Therapist Assistant Discipline. W

#### PTHA Practicum (or Field Credits 1167 Experience)-Physical 1 Therapist Assistant

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "B" or better is required in this course to take the next course. Prerequisites: PTHA 1166 and PTHA 1431 and PTHA 2301 and PTHA 2509. (0:10). Lab fee. Professional Practice Insurance required. Physical Therapist Assistant Discipline. W

### PTHA Communication Credits 1225 in Health Care 2

Communication theories and principles for optimal delivery of health care. Introduces the basics of physical therapy documentation. This course includes electronic medical documentation. A grade of "B" or better is required in this course to take the next course. **Prerequisite: HPRS 1206.** (1:3). Lab fee. *Physical Therapist Assistant Discipline.* W

### PTHA Introduction to Credits 1309 Physical Therapy 3

Introduction to the profession of physical therapy and the role of the physical therapist assistant. Includes the application of basic patient handling, functional skills, communication, and selected data collection techniques. Field trips and supervised learning experiences supplement this course. Students who complete this course will be eligible for employment as a Physical Therapy Aide. A grade of "B" or better is required in this course to take the next course. Prerequisite: BIOL 2401 and BIOL 2402 and ENGL 1301 and HPRS 1206. (2:4). Lab fee. Professional Practice Insurance required. Physical Therapist Assistant Discipline. W

#### PTHA Pathophysiology Credits 1321 for the PTA 3

Study of the pathophysiology of diseases/conditions encountered in physical therapy. A grade of "B" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and BIOL 2402. (3:1). Lab fee. Professional Practice Insurance required. Physical Therapist Assistant Discipline. W

### PTHA Functional Credits 1413 Anatomy 4

The relationship of the musculoskeletal and neuromuscular systems to normal and abnormal movement. A grade of "B" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and BIOL 2402. (2:6). Lab fee. Professional Practice Insurance required. Physical Therapist Assistant Discipline. W

### PTHA Physical Credits 1431 Agents 4

Biophysical principles, physiological effects, efficacy, and application of physical agents. Students will also be exposed to selected techniques of massage. A grade of "B" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and BIOL 2402 and HPRS 1206 and PTHA 1321. (2:6). Lab fee. Professional Practice Insurance required. Physical Therapist Assistant Discipline. W

### PTHA Special Topics in Physical Credits 1491 Therapy Assistant 4

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Check with Program Coordinator for the current topic and content of this course. A grade of "B" or better is required in this course to take the next course. Prerequisites: PSYC 2314 and PTHA 1225 and PTHA 1321 and PTHA 1309 and PTHA 2166 and PTHA 2301. (2:4). Lab fee. Professional Practice Insurance required. Physical Therapist Assistant Discipline. W

#### PTHA Practicum (or Field Credits 2166 Experience)-Physical 1 Therapist Assistant

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "B" or better is required in this course to take the next course. **Prerequisite: PTHA 1167. (0:10). Lab fee. Professional Practice Insurance required.** *Physical Therapist Assistant Discipline.* **W** 

#### PTHA Practicum (or Field Credits 2266 Experience)-Physical 2 Therapist Assistant

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "B" or better is required in this course to take the next course. Prerequisites: PTHA 1491 and PTHA 2166 and PTHA 2305 and PTHA 2431 and PTHA 2435. (0:18). Lab fee. Professional Practice Insurance required. Physical Therapist Assistant Discipline. W

### PTHA Essentials of Credits 2301 Data Collection 3

Data collection techniques used to assist patient/client management. Manual muscle testing and goniometry are part of this course. A grade of "B" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and BIOL 2402 and HPRS 1206. (2:4). Lab fee. Professional Practice Insurance required. Physical Therapist Assistant Discipline. W

### PTHA Neurology Credits 2305 3

Study of neuroanatomy and neurophysiology as it relates to neurological conditions. A grade of "B" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and BIOL 2402 and PTHA 1413 and PTHA 2301 and PTHA 2509. (2:2). Lab fee. Physical Therapist Assistant Discipline. W

### PTHA Professional Credits 2339 Issues 3

Discussion of professional issues and behaviors related to clinical practice; preparation for transition into the workforce. A grade of "B" or better is required in this course to take the next course. Prerequisites: PTHA 1225 and PTHA 1309. (2:3). Lab fee. Professional Practice Insurance required. FSBPT PEAT. Score builders Online Advantage fee. Non-refundable fee. Physical Therapist Assistant Discipline. W

### PTHA Management of Credits 2431 Neurological Disorders 4

Comprehensive rehabilitation techniques of selected neurological disorders. A grade of "B" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and BIOL 2402 and PTHA 1413 and PTHA 1431 and PTHA 2166. (2:6). Lab fee. Professional Practice Insurance required. Physical Therapist Assistant Discipline. W

### PTHA Rehabilitation Credits 2435 Techniques 4

Comprehensive rehabilitation of selected diseases and disorders. Familiarizes students with the use of aquatic therapy, back stabilization techniques, cardio-pulmonary rehabilitation techniques, orthotics and prosthetics care and utilization, wound care techniques, and women's health issues. A grade of "B" or better is required in this course to take the next course. Prerequisites: PTHA 1413 and PTHA 2301 and PTHA 2509. (2:6). Lab fee. Professional Practice Insurance required. Physical Therapist Assistant Discipline. W

### PTHA Therapeutic Credits 2509 Exercise 5

Concepts, principles, and application of techniques related to therapeutic exercise and functional training. A grade of "B" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and BIOL 2402 and PTHA 1321 and PTHA 1309. (3:6). Lab fee. Professional Practice Insurance required. Physical Therapist Assistant Discipline. W



QCTC	Quality	Credits
1343	Assurance	3

Principles and applications designed to introduce quality assurance. (2:2). Lab fee. Industrial Manufacturing Option Discipline. **W** 

# R

RADR	Clinical-Radiologic	Credits
1262	Technology/Science	2
	Radiographer I	

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. (0:8). Professional Practice Insurance required. Medical Imaging Technology-Radiography Discipline. W

RADR	Principles of	Credits
1313	Radiographic Imaging I	3

Radiographic image quality and the effects of exposure variables. A grade of "C" or better is required in this course to take the next course. (2:4). Lab fee. Medical Imaging Technology-Radiography Discipline. W

#### RADR Radiographic Anatomy Credits 1317 and Physiology I 3

Survey of basic human anatomy and physiology. The localization and identification of human anatomy on the radiographic image is emphasized. A grade of "B" or better is required in this course to take the next course. (2:3). Lab fee. *Medical Imaging Technology-Radiography Discipline*. **W** 

#### RADR Clinical-Radiologic Credits 1363 Technology/Science-Radiographer II

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. **Prerequisite: RADR 1262. (0:18). Professional Practice Insurance required.** *Medical Imaging Technology-Radiography Discipline.* **W** 

#### RADR Basic Radiographic Credits 1411 Procedures 4

An introduction to radiographic positioning terminology, manipulation of equipment, positioning and alignment of the anatomic structure and equipment, and evaluation of images for demonstration of basic anatomy. A grade of "C" or better is required in this course to take the next course. (2:6). Lab fee. Medical Imaging Technology-Radiography Discipline. W

#### RADR Clinical-Radiologic Credits 1462 Technology/Science-Radiographer III

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. **Prerequisite: RADR 1363.** (0:18). **Professional Practice Insurance required.** *Medical Imaging Technology-Radiography Discipline.* **W** 

#### RADR Clinical-Radiologic Credits 1463 Technology/Science- 4 Radiographer IV

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. **Prerequisite: RADR 1462. (0:21). Professional Practice Insurance required.** *Medical Imaging Technology-Radiography Discipline.* **W** 

### RADR Clinical-Radiologic Credits 1563 Technology/Science- 5 Radiographer V

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. **Prerequisite: RADR 1463. (0:27). Professional Practice Insurance required.** *Medical Imaging Technology-Radiography Discipline.* **W** 

### RADR Principles of Radiographic Credits 2205 Imaging II 2

Radiographic image quality and the effects of exposure variables, and the synthesis of all variables in image production. A grade of "C" or better is required in this course to take the next course. **Prerequisite: RADR 1313. (1:4). Lab fee.** *Medical Imaging Technology-Radiography Discipline.* **W** 

#### RADR Radiation Biology Credits 2213 and Protection 2

Effects of radiation exposure on biological systems. Includes typical medical exposure levels, methods for measuring and monitoring radiation, and methods for protecting personnel and patients from excessive exposure. A grade of "C" or better is required in this course to take the next course. (2:1). Lab fee. Medical Imaging Technology-Radiography Discipline. W

### RADR Radiologic Technology Credits 2235 Seminar 2

A capstone course focusing on the synthesis of professional knowledge, skills, and attitudes in preparation for professional employment and lifelong learning. A grade of "C" or better is required in this course to take the next course. (1:4). Lab fee. *Medical Imaging Technology-Radiography Discipline*. W

### RADR Radiographic Imaging Credits 2309 Equipment 3

Equipment and physics of x-ray production. Includes basic x-ray circuits. Also examines the relationship of conventional and digital equipment components to the imaging process. A grade of "C" or better is required in this course to take the next course. (2:4). Lab fee. Medical Imaging Technology-Radiography Discipline. W

### RADR Advanced Medical Credits 2333 Imaging 3

An exploration of specialized imaging modalities. Includes concepts and theories of equipment operations and their integration for medical diagnosis. A grade of "C" or better is required in this course to take the next course. (2:4). Lab fee. *Medical Imaging Technology-Radiography Discipline*. W

### RADR Intermediate Credits 2401 Radiographic Procedures 4

A continuation of the study of the manipulation of radiographic equipment, positioning and alignment of the anatomic structure and equipment, and evaluation of images for demonstration of anatomy. A grade of "C" or better is required in this course to take the next course. **Prerequisite: RADR 1411. (2:6). Lab fee.** *Medical Imaging Technology-Radiography Discipline.* **W** 

### RADR Advanced Radiographic Credits 2431 Procedures 4

Positioning and alignment of anatomic structures and equipment, evaluation of images for demonstration of anatomy and related pathology. A grade of "C" or better is required in this course to take the next course. (2:6). Lab fee. *Medical Imaging Technology-Radiography Discipline*. **W** 

#### RBPT Onsite Power Generation Credits 2345 and Renewable Energy 3

A study of the application of residential onsite power generation with an emphasis on renewable energy. Includes systems that produce electrical energy and thermal energy. Also covers determination of residential energy loads and their comparison to onsite power generation and an exploration of off-grid, on-grid, net-zero, and distributed applications. **Prerequisites: ELMT 1411 and FCEL 1305. (2:3). Lab fee.** *Renewable Energy Systems Technology Discipline.* **W** 

### RBTC Robot Credits 1245 Interfacing 2

A study of the basic principles of robot controllers, controller input/output, memory, and interfacing with computer integrated manufacturing. (1:4). Lab fee. *Industrial Manufacturing Option Discipline*. **W** 

### RBTC Robotic Credits 1305 Fundamentals 3

An introduction to flexible automation. Topics include installation, repair, maintenance, and development of flexible robotic manufacturing systems. **Prerequisite: CETT 1407.** (2:2). Lab fee. *Industrial Manufacturing Option Discipline*. **W** 

### RBTC Programmable Logic Credits 1401 Controllers 4

A study in programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Emphasis on the ladder logic, system design and multiple process integration. (3:3). Lab fee. Industrial Manufacturing Option Discipline. W

#### RELE Contract Forms Credits 1300 and Addenda 3

Promulgated Contract Forms, shall include but is not limited to unauthorized practice of law, broker-lawyer committee, current promulgated and approved forms, commission rules governing use of forms and case studies involving use of forms. (3:0). Business Management Discipline. **W** 

### RELE Principles of Credits 1301 Real Estate I 3

A beginning overview of licensing as a real estate broker or salesperson. Includes ethics of practice as a license holder, titles to and conveyance of real estate, legal descriptions, deeds, encumbrances and liens, distinctions between personal and real property, appraisal, finance and regulations, closing procedures, and real estate mathematics. Covers at least three hours of classroom instruction on federal, state, and local laws relating to housing discrimination, housing credit discrimination, and community reinvestment. Fulfills at least 30 of 60 hours of required instruction for salesperson license. (3:0). Business Management Discipline. W

### RELE Real Estate Credits 1309 Law 3

Legal concepts of real estate, land description, real property rights, estates in land, contracts, conveyances, encumbrances, foreclosures, recording procedures, and evidence of title. (3:0). Business Management Discipline. **W** 

### RELE Law of Credits 1311 Contracts 3

Elements of a contract, offer and acceptance, statute of frauds, specific performance and remedies for breach, unauthorized practice of law, commission rules relating to use of adopted forms, and owner disclosure requirements. (3:0). Business Management Discipline. **W** 

### RELE Real Estate Credits 1319 Finance 3

Monetary systems, primary and secondary money markets, sources of mortgage loans, federal government programs, loan applications, processes and procedures, closing costs, alternative financial instruments, equal credit opportunity laws affecting mortgage lending, Community Reinvestment Act, and the state housing agency. (3:0). Business Management Discipline. **W** 

### RELE Principles of Credits 1338 Real Estate II 3

A continuing overview of licensing as a broker or salesperson. Includes ethics of practice as a license holder, titles to and conveyance of real estate, legal descriptions, deeds, encumbrances and liens, distinctions between personal and real property, appraisal, finance and regulations, closing procedures, and real estate mathematics. Covers at least three hours of classroom instruction on federal, state, and local laws relating to housing discrimination, housing credit discrimination, and community reinvestment. Fulfills at least 30 of 60 hours of required instruction for salesperson license. **Prerequisite: RELE 1301. (3:0).** Business Management Discipline. **W** 

### RELE Law of Credits 2301 Agency 3

Law of agency including principal-agent and master-servant relationships, the authority of an agent, the termination of an agent's authority, the fiduciary and other duties of an agent, employment law, deceptive trade practices, listing or buying representation procedures, and the disclosure of an agency. (3:0). Business Management Discipline. **W** 

# RETS Review & Preparation for 1270 the NABCEP for Entry- 2 Level Certification

Provides training for students to work with residential solar photovoltaic systems including DC/AC, NACE, & Principals of PV solar systems. Studies the entry level certification to prepare students to take the North American Board of Certified Energy Practitioners (NABCEP) exam. (2:0). Renewable Energy Technology Systems Discipline. W

### RNSG Health Credits 1115 Assessment 1

Development of skills and techniques required for a comprehensive nursing health assessment within a legal/ethical framework, preparing the student to utilize the systematic problem-solving process (nursing process). Designed for students within the nursing programs, re-entry, transfer, and advanced placement students only. A grade of "C" or better is required in this course to take the next course.

(1:1). Lab fee. Nursing Discipline. W

#### RNSG Dosage Calculations Credits 1208 for Nursing 2

Read, interpret, and solve dosage calculation problems. Covers various measurement systems. Admission to the program is required to enroll in this course. Students must successfully complete this course to take/stay enrolled in RNSG 1260 and RNSG 1413. A grade of "C" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and BIOL 2402 and [MATH 1314 or MATH 1324 or MATH 1342] and RNSG 1301. (1:4). Lab fee. Medical Insurance required. Nursing Discipline. W

### RNSG Clinical-Registered Credits 1260 Nursing/Registered Nurse 2

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts while providing fundamental nursing care to adult patients. Direct supervision is provided by the clinical professional. Admission to the program is required to enroll in this course. Students must successfully complete RNSG 1208 with a "C" or better to take/stay enrolled in RNSG 1260 and RNSG 1413. A grade of "C" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and BIOL 2402 and [MATH 1314 or MATH 1324 or MATH 1342] and RNSG 1208 and RNSG 1301. Corequisite: RNSG 1413. (0:8). Professional Practice Insurance required. Medical Insurance required. Nursing Discipline. W

### RNSG Clinical-Registered Credits 1261 Nursing/Registered Nurse 2

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts to patient/families with common medical-surgical problems. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and BIOL 2402 and [MATH 1314 or MATH 1324 or MATH 1342] and RNSG 1301 and RNSG 1208 and RNSG 1260 and RNSG 1413. Corequisite: RNSG 1441. (0:8). Professional Practice Insurance required. Medical Insurance required. Nursing Discipline. W

### RNSG Clinical-Registered Credits 1262 Nursing/Registered Nurse 2

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts to pediatric, maternal/newborn and women's health, and mental health disorders. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Admission as an advanced placement student and a current Vocational/Practical Nurse License is required to take this course. Prerequisites: BIOL 2401 and BIOL 2402 and [MATH 1314 or MATH 1324 or MATH 1342] and PSYC 2314 and RNSG 1115 and RNSG 1301. Corequisites: RNSG 1327 and RNSG 1347. (0:8). Professional Practice Insurance required. Medical Insurance required. Nursing Discipline. W

### RNSG Pharmacology Credits 1301 3

Introduction to the science of pharmacology with emphasis on the actions, interactions, adverse effects, and nursing implications of drug classifications. Content includes the roles and responsibilities of the professional nurse in safe administration of medications and pharmacological agents within a legal/ethical framework. This course is a mandatory and ranking course for the nursing program. Course completion is required before ranking into the Nursing program. A grade of "C" or better is required in this course to take the next course. Prerequisite: Placement at collegelevel English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Nursing Discipline. W

#### RNSG Transition to Credits 1327 Professional Nursing 3

Content includes health promotion, expanded and subspecialty comprehensive specialized assessments and reassessments based on evaluation, analysis of data, critical thinking skills and systematic problem-solving process, pharmacology, interdisciplinary teamwork, communication, and applicable competencies in knowledge, clinical judgment, advanced nursing skills, and professional values within a legal/ethical framework throughout the life span. Differentiates between roles of the professional nurse and the licensed vocational nurse. Students will meet the needs of pediatric, maternal/newborn and women's health, and mental health patients. A grade of "C" or better is required in this course to take the next course. Admission as an advanced placement student and a current Vocational/Practical Nurse License is required to take this course. Prerequisites: BIOL 2401 and BIOL 2402 and [MATH 1314 or MATH 1324 or MATH 1342] and PSYC 2314 and RNSG 1115 and RNSG 1301. Corequisites: RNSG 1262 and RNSG 1347. (3:1). Lab fee. Medical Insurance required. Nursing Discipline.

#### RNSG Complex Concepts Credits 1343 of Adult Health 3

Integration of previous knowledge and skills related to common adult health needs into the continued development of the professional nurse as a provider of patient-centered care, patient safety advocate, member of health care team, and member of the profession in the care of adult patients and families with complex medical-surgical health care needs associated with all body systems. Emphasis on complex knowledge, critical thinking, judgments, skills, professional values within a legal/ethical framework. Utilizes a systematic problem-solving process with emphasis on advanced assessment and reassessment based on evaluation. Students must successfully complete this course and RNSG 2162 to take/stay enrolled in RNSG 2130 and RNSG 2221 and RNSG 2261. A grade of "C" or better is required in this course to take the next course. Prerequisites: RNSG 2201 and RNSG 2262 and RNSG 2308 and RNSG 2263 or RNSG 1262 and RNSG 1327 and RNSG 1347 and RNSG 1115. Corequisites: RNSG 2130 and RNSG 2162. (3:1). Lab fee. Medical Insurance required. Nursing Discipline. W

#### RNSG Concepts of Clinical Credits 1347 Decision-Making I 3

Integration of previous knowledge and skills into the continued development of the professional nurse as a provider of patient-centered care, patient safety advocate, member of health care team, and member of the profession. Emphasis on clinical decision-making for clients in medical-surgical health problems settings experiencing involving gastrointestinal disorders, endocrine and metabolic disorders, reproductive and sexual disorders, musculoskeletal disorders, eve-ear-nose-throat disorders and integumentary disorders. Discussion of critical thinking, evidence-based knowledge, clinical judgment, skills, and professional values within a legal/ethical framework. Differentiates between the roles of the professional nurse and the licensed vocational nurse. Utilizes a systematic problem-solving process with emphasis on assessments. A grade of "C" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and BIOL 2402 and [MATH 1314 or MATH 1324 or MATH 1342] and PSYC 2314 and RNSG 1115 and RNSG 1301. Corequisites: RNSG 1262 and RNSG 1327. (3:1). Lab fee. Medical Insurance required. Nursing Discipline. W

#### RNSG Foundations for Credits 1413 Nursing Practice 4

Introduction to the role of the professional nurse as a provider of patient-centered care, patient safety advocate, member of the health care team and member of the profession. Content includes fundamental concepts of nursing practice, history of professional nursing, and a systematic framework for decision-making and critical thinking. Emphasis on knowledge, judgment, skills, and professional values within a legal/ethical framework. Discusses the basics of disease, the essentials of patient care management, and basic psychomotor skills. Utilizes basic systematic problem-solving skills (the nursing process), emphasizing assessment, nursing diagnosis, and planning. Admission to the program is required to enroll in this course. Students must successfully complete RNSG 1208 with a "C" or better to take/stay enrolled in RNSG 1413 and RNSG 1260. A grade of "C" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and BIOL 2402 and [MATH 1314 or MATH 1324 or MATH 1342] and RNSG 1208 and RNSG 1301. Corequisite: RNSG 1260. (3:4). Lab fee. Medical Insurance required. Nursing Discipline. W

#### RNSG Common Concepts Credits 1441 of Adult Health 4

Basic integration of the role of the professional nurse as a provider of patient-centered care, patient safety advocate, member of health care team, and member of the profession. Study of the common concepts of caring for adult patients and families with medical-surgical health care needs related to body systems, emphasizing critical thinking, evidenced-based knowledge, judgment, skills, and professional values within a legal/ethical framework. Utilizes a systematic problemsolving process with emphasis on implementation and evaluation. A grade of "C" or better is required in this course to take the next course. Prerequisites: RNSG 1208 and RNSG 1260 and RNSG 1413. Corequisite: RNSG 1261. (3:3). Lab fee. Medical Insurance required. Nursing Discipline. W

#### RNSG Professional Nursing Credits 2130 Review and Licensure 1 Preparation

Review of concepts required for licensure examination and entry into the practice of professional nursing. Includes review of the application process of the National Council Licensure Examination for Registered Nurses (NCLEX-RN) test plan, assessment of knowledge deficits, and remediation. Uses all steps of the nursing process. Students must successfully complete RNSG 1343 and RNSG 2162 to take/stay enrolled in RNSG 2130, RNSG 2221, and RNSG 2261. A grade of "C" or better is required in this course to take the next course. Prerequisites: RNSG 2201 and RNSG 2262 and RNSG 2308 and RNSG 2263 or RNSG 1262 and RNSG 1327 and RNSG 1347 and RNSG 1115. Corequisites: RNSG 1343 and RNSG 2162. (1:1). Lab fee. Medical Insurance required. Nursing Discipline. W

### RNSG Clinical-Registered Credits 2162 Nursing/Registered Nurse 1

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts to adult patients/families with complex medical-surgical problems. Direct supervision is provided by the clinical professional. Students must successfully complete this course and RNSG 1343 to take/stay enrolled in RNSG 2130 and RNSG 2221 and RNSG 2261. A grade of "C" or better is required in this course to take the next course. Prerequisites: RNSG 2201 and RNSG 2262 and RNSG 2308 and RNSG 2263 or RNSG 1262 and RNSG 1327 and RNSG 1347 and RNSG 1115. Corequisites: RNSG 1343 and RNSG 2130. (0:6). Professional Practice Insurance required. Medical Insurance required. Nursing Discipline. W

### RNSG Care of Children Credits 2201 and Families 2

Study of concepts related to the provision of nursing care for children and their families, emphasizing judgment, critical thinking, and professional values within a legal/ethical framework. Correlates growth and development to medical-surgical conditions of pediatric patients. Explains the roles of the professional nurse in caring for children and families. Utilizes a systematic problem-solving process with emphasis on pediatric assessment and reassessment based on evaluation. A grade of "C" or better is required in this course to take the next course. Prerequisites: RNSG 1261 and RNSG 1441 and RNSG 2213 and RNSG 2260 and PSYC 2314. Corequisite: RNSG 2262. (2:1). Lab fee. Medical Insurance required. Nursing Discipline. W

### RNSG Mental Health Credits 2213 Nursing 2

Principles and concepts of mental health, psychopathology, and treatment modalities related to the nursing care of patients and their families. Explains the roles of the professional nurse in caring for patients and families experiencing mental health problems; utilizing critical thinking and therapeutic communication. Utilizes a systematic problem-solving process with emphasis on mental health assessment, implementation and evaluation. A grade of "C" or better is required in this course to take the next course. Prerequisites: RNSG 1208 and RNSG 1260 and RNSG 1413. Corequisite: RNSG 2260. (2:0). Medical Insurance required. *Nursing Discipline*. W

#### RNSG Professional Nursing: Credits 2221 Leadership and 2 Management

Exploration of leadership and management principles applicable to the roles of the professional nurse. Includes application of knowledge, judgment, skills, and professional values within a legal/ethical framework. Utilizes all steps of a systematic problem-solving process and critical thinking to plan and manage care for patients and their families. Examines the factors impacting the role of professional nursing and healthcare. Students must successfully complete RNSG 1343 and RNSG 2162 to take/stay enrolled in this course. A grade of "C" or better is required in this course to take the next course. Prerequisites: RNSG 2201 and RNSG 2262 and RNSG 2308 and RNSG 2263 or RNSG 1262 and RNSG 1347 and RNSG 1115 and RNSG 1343 and RNSG 2162. Corequisites: RNSG 2130 and RNSG 2261. (2:0). Medical Insurance required. Nursing Discipline. W

### RNSG Clinical-Registered Credits 2260 Nursing/Registered Nurse 2

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts for patients with major psychiatric disorders. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisites: RNSG 1208 and RNSG 1260 and RNSG 1413. Corequisite: RNSG 2213. (0:8). Professional Practice Insurance required. Medical Insurance required. Nursing Discipline. W

### RNSG Clinical-Registered Credits 2261 Nursing/Registered Nurse 2

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts in coordinating the care of groups of patients. Direct supervision is provided by the clinical professional. Students learn to manage patient/family care. Students must successfully complete RNSG 1343 and RNSG 2162 to take/stay enrolled in this course. A grade of "C" or better is required in this course to take the next course. Prerequisites: RNSG 2201 and RNSG 2262 and RNSG 2263 and RNSG 2308 or RNSG 1262 and RNSG 1327 and RNSG 1347 and RNSG 1115 and RNSG 1343 and RNSG 2162. Corequisites: RNSG 2130 and RNSG 2221. (0:8). Professional Practice Insurance required. Medical Insurance required. Nursing Discipline. W

### RNSG Clinical-Registered Credits 2262 Nursing/Registered Nurse 2

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts to pediatric patients/families. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisites: RNSG 1261 and RNSG 1441 and RNSG 2213 and RNSG 2260 and PSYC 2314. Corequisite: RNSG 2201. (0:8). Professional Practice Insurance required. Medical Insurance required. Nursing Discipline. W

#### RNSG Clinical-Registered Credits 2263 Nursing/Registered Nurse 2

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts to maternal/newborn and women's health patients. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisites: RNSG 1261 and RNSG 1441 and RNSG 2213 and RNSG 2260 and PSYC 2314. Corequisite: RNSG 2308. (0:8). Professional Practice Insurance required. Medical Insurance required. Nursing Discipline. W

# RNSG Maternal/Newborn Credits 2308 Nursing and 3 Women's Health

Concepts related to nursing care for childbearing families and women's health issues. Content includes knowledge, judgment, skill, and professional values within a legal/ethical framework. Includes critical thinking and a focus on common/high-risk changes in women and the childbearing family during all phases of pregnancy. Analyzes selected issues in women's health. Current trends, preventative care, and health education are explored. Utilizes a systematic problem-solving process with emphasis on perinatal/neonatal/women's health assessment and reassessment based on evaluation. A grade of "C" or better is required in this course to take the next course. Prerequisites: RNSG 1261 and RNSG 1441 and RNSG 2213 and RNSG 2260 and PSYC 2314. Corequisite: RNSG 2263. (3:1). Lab fee. Medical Insurance required. Nursing Discipline. W

#### RSPT Introduction to Credits 1201 Respiratory Care 2

An introduction to the field of respiratory care. A grade of "C" or better is required in this course to take the next course. (2:1). Lab fee. Respiratory Care Technology Discipline. W

# RSPT Advanced Credits 1340 Cardiopulmonary 3 Anatomy and Physiology

Provides an advanced presentation of anatomy and physiology of the cardiovascular and pulmonary system. A grade of "C" or better is required in this course to take the next course. **Corequisite: RSPT 1360. (1:5). Lab fee.** *Respiratory Care Technology Discipline.* **W** 

#### RSPT Clinical-Respiratory Care Credits 1360 Therapy/Therapist I 3

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Corequisite: RSPT 1340. (0:16). Professional Practice Insurance required. Respiratory Care Technology Discipline. W

### RSPT Respiratory Care Credits 1410 Procedures I 4

Essential knowledge of the equipment and techniques used in the treatment of cardiopulmonary disease. A grade of "C" or better is required in this course to take the next course. (2:6). Lab fee. Respiratory Care Technology Discipline. W

#### RSPT Respiratory Care Credits 1411 Procedures II 4

Develops essential knowledge and skills of airway care and mechanical ventilation. A grade of "C" or better is required in this course to take the next course. **Prerequisite: RSPT 1201. Corequisite: RSPT 2461. (2:6). Lab fee.** *Respiratory Care Technology Discipline.* **W** 

### RSPT Respiratory Care Credits 2130 Examination Preparation 1

Comprehensive review to optimize respiratory care credentialing exam success. A grade of "C" or better is required in this course to take the next course. **Prerequisite: RSPT 2414. (0:3). Lab fee.** *Respiratory Care Technology Discipline.* **W** 

### RSPT Pediatric Advanced Credits 2135 Life Support 1

A comprehensive course designed to develop the skills for resuscitation of the infant and child. Includes strategies for preventing cardiopulmonary arrest and identification of high risk infants and children. May include certification based on American Heart Association standards. A grade of "C" or better is required in this course to take the next course. (1:1). Lab fee. Respiratory Care Technology Discipline. W

### RSPT Advanced Cardiac Credits 2239 Life Support 2

Advanced Cardiac Life Support (ACLS) with an emphasis on airway management. Designed to develop skills for resuscitation of the adult. Includes strategies for managing and stabilizing the cardiopulmonary arrested patient. May include certification based on American Heart Association standards. A grade of "C" or better is required in this course to take the next course. **Prerequisite: RSPT 1411. (1:3). Lab fee.** *Respiratory Care Technology Discipline.* **W** 

### RSPT Cardiopulmonary Credits 2310 Disease 3

Etiology, pathogenesis, pathology, diagnosis, history, prognosis, manifestations, treatment, and detection of cardiopulmonary diseases. A grade of "C" or better is required in this course to take the next course. (3:0). Respiratory Care Technology Discipline. **W** 

### RSPT Respiratory Care Credits 2317 Pharmacology 3

A study of drugs that affect cardiopulmonary systems. Emphasis on classification, route of administration, dosages/calculations, and physiological interactions. A grade of "C" or better is required in this course to take the next course. (3:0). Respiratory Care Technology Discipline. W

#### RSPT Respiratory Care Credits 2358 Patient Assessment 3

Integration of patient examination techniques, including patient history and physical exam, lab studies, x-ray, pulmonary function, arterial blood gases, and invasive and non-invasive hemodynamics. A grade of "C" or better is required in this course to take the next course. **Prerequisite: RSPT 2317. Corequisite: RSPT 2361.** (3:0). *Respiratory Care Technology Discipline.* **W** 

### RSPT Clinical-Respiratory Care Credits 2360 Therapy/Therapist III 3

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisite: RSPT 2461. Corequisite: RSPT 2414. (0:15). Professional Practice Insurance required. Respiratory Care Technology Discipline. W

### RSPT Clinical-Respiratory Care Credits 2361 Therapy/Therapist IV 3

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. **Prerequisite: RSPT 2360. (0:16). Professional Practice Insurance required.** *Respiratory Care Technology Discipline.* **W** 

#### RSPT Mechanical Credits 2414 Ventilation 4

The study of mechanical ventilation with emphasis on ventilator classification, methods, principles, and operational characteristics. A grade of "C" or better is required in this course to take the next course. Corequisite: RSPT 2360. (4:1). Lab fee. Respiratory Care Technology Discipline. W

#### RSPT Neonatal/Pediatric Credits 2453 Cardiopulmonary Care 4

A study of neonatal and pediatric cardiopulmonary care. A grade of "C" or better is required in this course to take the next course. (**4:0**). *Respiratory Care Technology Discipline*. **W** 

### RSPT Clinical-Respiratory Care Credits 2461 Therapy/Therapist II 4

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. **Prerequisite: RSPT 1360. (0:24). Professional Practice Insurance required.** *Respiratory Care Technology Discipline.* **W** 

#### RSTO Beverage Credits 1201 Management 2

A study of the beverage service of the hospitality industry including spirits, wines, beers, and non-alcoholic beverages. Topics include purchasing, resource control, legislation, marketing, physical plant requirements, staffing, service, and the selection of wines to enhance foods. Emphasizes legal changes and safe service. **Prerequisites: CHEF 1301 and CHEF 1305. Corequisite: HAMG 1321. (2:0).** Culinary Arts and Related Sciences Discipline. **W** 

### RSTO Dining Room Credits 1204 Service 2

Introduces the principles, concepts, and systems of professional table service. Topics include dining room organization, scheduling, and management of food service personnel. Examines people skills, proper guest relations, and service of meals. Corequisite: TRVM 1201. (2:1). Lab fee. Culinary Arts and Related Sciences Discipline. W

### RSTO Menu Credits 1221 Management 2

A study of the food service principles involved in menu planning, layout, and evaluation for a variety of types of facilities and service methods. Emphasis on analysis of menu profitability, modification, commodity use, and other activities generated by the menu. (2:1). Lab fee. Culinary Arts and Related Sciences Discipline. **W** 

### RSTO Wine and Food Credits 1270 Pairing 2

Examines the basic techniques for pairing of wine and food. Emphasizes the flavor elements that make up a dish and which of those elements is most important when pairing the dish with wine, how various components in wine affect food flavor, and explores complementary and contrasting pairings. (1:4). Lab fee. Culinary Arts and Related Sciences Discipline. W

#### RSTO Viticulture and Credits 1319 Enology 3

A study of the growing regions, production, processing, and distribution of domestic and international wines. Topics include types of wine grapes, varieties of wine, proper storage procedures, and the techniques of proper wine service. Corequisites: RSTO 1221 and HAMG 1340. (2:4). Lab fee. Culinary Arts and Related Sciences Discipline. W

#### RSTO Purchasing for Credits 1325 Hospitality Operations 3

Study of purchasing and inventory management of foods and other supplies to include development of purchase specifications, determination of order quantities, formal and informal price comparisons, proper receiving procedures, storage management, and issue procedures. Emphasis on product cost analysis, yields, pricing formulas, controls, and record keeping at each stage of the purchasing cycle. Prerequisites: CHEF 1305 and MATH 1314, 1324, 1332, 1342, 2314, 2412, or 2413 with a "C" or better. (3:1). Lab fee. Culinary Arts and Related Sciences Discipline. W

#### RSTO Management of Food Credits 2405 Production and Service 4

A study of quantity cookery and management problems pertaining to commercial and institutional food service, merchandising and variety in menu planning, and customer food preferences. Includes laboratory experiences in quantity food preparation and service. **Prerequisite: HAMG 1321.** (2:4). Lab fee. Culinary Arts and Related Sciences Discipline. **W** 

### RSTO Catering Credits 2407 4

Principles, techniques, and applications for both on-premises, off-premises, and group marketing of catering operations including food preparation, holding, and transporting techniques. Prerequisite: RSTO 1319. Corequisite: RSTO 1270. (2:4). Lab fee. Culinary Arts and Related Sciences Discipline. W

#### RSTO Food Service Credits 2431 Management 4

Mastery of actual management experiences in supervision, training, planning, and control of a variety of food service operation formats may include cafeteria, table service, meetings, banquets, and catered events. Includes personal relations and employee relations in Food Service. (3:2). Lab fee. Culinary Arts and Related Sciences Discipline. W



### SCIT Applied Human Anatomy Credits 1407 and Physiology I 4

An applied systematic study of the structure and function of the human body. Includes anatomical terminology, cells, tissues, and the following systems: integumentary, skeletal, muscular, nervous, and endocrine. Emphasis on homeostasis. A grade of "C" or better is required in this course to take the next course. (3:3). Lab fee. Health Information Management Discipline. W

#### SCWK Group Work Credits 1305 Intervention 3

Exploration of the various stages and techniques of group work with emphasis on roles, tasks, and challenges. Topics include the fundamentals of group function, group structure, communication patterns within groups, effective group facilitation skills, and techniques used to address populations. (3:0). Social Work Discipline. **W** 

# SCWK Social Work Practice and Credits 1370 Services to Special 3 Populations

Assists students with acquiring knowledge of the needs of marginalized populations within the El Paso, TX border area. Explores frameworks for understanding social changes and community practice. Addresses the needs of victims of intimate partner violence, immigrants, asylees, refugees, survivors of human trafficking, LGBTQ individuals, local Latino population and homelessness. Studies the theory and practice procedures targeting domestic and international policies that purport to protect migrant populations, Latinos and other marginalized groups that have been historically under-represented and/or affected by discrimination. This course is designed to empower future social workers with the conceptual framework and knowledge base necessary for effective intervention. (3:0). Social Work Discipline. W

#### SCWK Assessment and Case Credits 2301 Management 3

Exploration of procedures to identify and evaluate an individual's and/or family's strengths, weaknesses, problems, and needs in order to develop an effective plan of action. Topics include oral and written communications essential for screening, assessment, and case management to determine the need for prevention, intervention, and/or referral. Addresses client rights, confidentiality, ethics and cultural issues related to the delivery of social services. (3:0). Social Work Discipline. **W** 

### SCWK Human Behavior and the Credits 2307 Social Environment I 3

Comprehensive analysis of human behavior and the social environment. Covers human development from prenatal through childhood. (3:0). Social Work Discipline. **W** 

#### SCWK Interviewing and Credits 2311 Counseling Theories 3

A comprehensive study of major theories of various treatment modalities. (3:0). *Social Work Discipline*. **W** 

#### SCWK Abnormal Credits 2331 Behavior 3

An exploration and identification of maladaptive behavior including characteristics, classification, diagnosis, and treatment modalities. Topics include factors associated with defining and identifying abnormal behavior. Examines the most common psychiatric disorders of adulthood, including mood disorders, anxiety disorders, schizophrenia, etc. (3:0). Social Work Discipline. W

### SCWK Human Behavior and the 2372 Social Environment II 3

Studies human development from adolescence through late adulthood and death and dying. Focuses on physical, cognitive and psychological changes, areas of interpersonal relationships, and the individual's ability to relate to the social environment. (3:0). Social Work Discipline. **W** 

#### SCWK Internship- Credits 2486 Social Work I 4

A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer. Students must have third semester standing to enroll in this course. (0:16). Professional Practice Insurance required. Social Work Discipline. W

#### SCWK Internship- Credits 2487 Social Work II 4

A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer. Students must have third semester standing to enroll in this course. (0:16). Professional Practice Insurance required. Social Work Discipline. W

#### SLNG Vocabulary Development Credits 1248 for Interpreters 2

A course in vocabulary building in English and American Sign Language for interpreters. Students must apply to take the Test of English Proficiency (TEP) through TX-DHHS with results due in SLNG 2331. Testing fees are the student's responsibility. Prerequisite: SLNG 2301 with a "B" or better. Corequisite: SLNG 2280. (2:1). Lab fee. Sign Language/Interpreter Preparation Discipline. W

### SLNG Introduction to the 1317 Deaf Community 3

An overview of the physical, educational, social, and cultural implications within the context of a deaf or hard-of-hearing individual's personal life, family, and community in today's multicultural world. Emphasis on current educational and vocational programs, legislation, technology, oppression, and other issues. (3:0). Sign Language/Interpreter Preparation Discipline. **W** 

#### SLNG Introduction to the Credits 1321 Interpreting Profession 3

An overview of the field of American Sign Language (ASL)/English interpretation. Provides a historical framework for the current principles, ethics, roles, responsibilities, and standard practices of the interpreting profession. A grade of "B" or better is required in this course to take the next course. Prerequisite: SLNG 1344 with a "B" or better and ENGL 1301 with a "B" or better. Corequisite: SPCH 1315. (3:1). Lab fee. Sign Language/Interpreter Preparation Discipline. W

#### SLNG American Sign Credits 1344 Language (ASL) III 3

Integrates and refines expressive and receptive skills in American Sign Language (ASL), including recognition of sociolinguistic variation. A practice oriented approach to language acquisition. **Prerequisite: SLNG 1405 with a "B" or better. (2:2). Lab fee.** Sign Language/Interpreter Preparation Discipline. **W** 

#### SLNG American Sign Credits 1345 Language (ASL) IV 3

An integration of expressive and receptive skills in American Sign Language (ASL) with emphasis on grammar, linguistics, literature, and discourse styles at an intermediate level. Provides students with information on linguistic and cultural variations. This is the capstone course for the ASL Deaf Studies Certificate; a competency exam is required to demonstrate ASL skills at a conversational level to receive the Certificate of Completion. Prerequisite: SLNG 1344 with a "B" or better. (2:2). Lab fee. Sign Language/Interpreter Preparation Discipline. W

#### SLNG Deaf Credits 1347 Culture 3

Historical and contemporary perspective of American Deaf culture using a sociocultural model. Includes cultural identity, and awareness, values, group norms, communication, language, and significant contributions made by D/deaf people to the world. **Prerequisite:** SLNG 1344 with a "B" or better. (3:0). Sign Language/Interpreter Preparation Discipline. **W** 

### SLNG Sign-To-Voice Credits

Skill development in interpreting and transliterating from American Sign Language and other modes of communication to English and analysis of increasingly complex tasks utilizing simulated interpreting experiences including skills analysis and peer evaluation. **Prerequisite:** SLNG 2302 with a "B" or better. (3:1). Lab fee. Sign Language/Interpreter Preparation Discipline. **W** 

#### SLNG American Sign Credits 1404 Language (ASL) I 4

An introduction to the basic skills in production and comprehension of American Sign Language (ASL). Includes the manual alphabet and numbers. Develops conversational ability, culturally appropriate behaviors, and exposes students to ASL grammar. (3:2). Lab fee. Sign Language/Interpreter Preparation Discipline. W

#### SLNG American Sign Credits 1405 Language (ASL) II 4

Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated grammatical features of American Sign Language (ASL). Increases fluency and accuracy in fingerspelling and numbers. Encourages opportunities for interaction within the Deaf community. Prerequisite: SLNG 1404 with a "B" or better. (3:2). Lab fee. Sign Language/Interpreter Preparation Discipline. W

#### SLNG Cooperative Education-2280 Sign Language 2 Interpretation and Translation I

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. Prerequisites: SLNG 1345 with a "B" or better and SLNG 1347 with a "B" or better and SLNG 2301 with a "B" or better. Corequisite: SLNG 2302 or SLNG Department approval. (1:10). Sign Language/Interpreter Preparation Discipline. W

#### SLNG Cooperative Education-2281 Sign Language 2 Interpretation and Translation II

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. Prerequisite: SLNG 2302 with a "B" or better. Corequisite: SLNG 2331 or SLNG Department approval. (1:10). Sign Language/Interpreter Preparation Discipline. W

### SLNG Interpreting I Credits 2301 3

An overview of the interpreting process and models of interpretation. Introduces the skills necessary to achieve dynamic message equivalence in interpreting American Sign Language (ASL) to English and English to ASL. Prerequisites: SLNG 1321 with a "B" or better and SLNG 1345 with a "B" or better and SPCH 1315 with a "B" or better. (2:3). Lab fee. Sign Language/Interpreter Preparation Discipline. W

### SLNG Interpreting II Credits 2302 3

Continued development of discourse analysis and interpreting skills for increasingly complex tasks. Utilization of consecutive and simultaneous interpreting scenarios including monologues and dialogues. Emphasizes skill development, self-analysis, and peer evaluation. Strongly recommended to be taken concurrently with SLNG 1248. Prerequisite: SLNG 2301 with a "B" or better. (2:2). Lab fee. Sign Language/Interpreter Preparation Discipline. W

#### SLNG Interpreting in Credits 2311 Specialized Settings 3

Overview of interpreting/transliterating with special populations (e.g., deaf/blind, high visual, oral) and/or in special settings (e.g., religious, artistic, medical, legal, mental health). Reinforce interpreting theories and techniques in relation to the special population(s) and/or setting(s). Prerequisite: SLNG 2302 with a "B" or better. (2:2). Lab fee. Sign Language/Interpreter Preparation Discipline. W

#### SLNG Interpreting in Credits 2315 Educational Settings 3

Overview of education programs (K–12 and post-secondary), focusing on the roles and skills of the interpreter as a member of the educational team. Includes current practices, communication methods, legislation, trends, and ethical issues. Introduces resources for content-specific vocabulary. Prerequisite: SLNG 2301 with a "B" or better. (2:2). Lab fee. Sign Language/ Interpreter Preparation Discipline. W

### SLNG Interpreting III Credits 2331 3

A practice-oriented course to strengthen skills in the integration and application of interpreting using complex source materials. Continued exposure to simulated interpreting/transliterating experiences. This is a capstone course for the AAS degree; a final competency exam is required. Students must submit TEP scores. Corequisite: SLNG 2281. (2:2). Lab fee. Sign Language/Interpreter Preparation Discipline. W

#### SLNG Multicultural Issues Credits 2337 in Interpreting 3

Explores theories and concepts of cross-cultural communication. Analyze the impact of culture and language on interpreting in multilingual and multicultural situations. Includes strategies for maximizing interpreter and interpreter team effectiveness. **Prerequisite: SLNG 2301 with a "B" or better.** (3:0). Sign Language/Interpreter Preparation Discipline. **W** 

#### SMFT Semiconductor Credits 1343 Manufacturing Technology 3

A study of the processes, materials, and equipment used in the manufacturing of semiconductors, including an overview of the semiconductor industry, related terminology, and standard safety practice. (2:2). *Industrial Manufacturing Option Discipline*. **W** 

### SOCI Introduction to Sociology Credits 1301 [CF] 3

The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Sociology Discipline. T

### SOCI Social Problems Credits 1306 [F] 3

Application of sociological principles and theoretical perspectives to major social problems in contemporary society such as inequality, crime and violence, substance abuse, environmental issues, deviance, or family problems. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Sociology Discipline. T

### SOCI Marriage & the Family Credits 2301 [CF] 3

Sociological and theoretical analysis of the structures and functions of the family, the varied cultural patterns of the American family, and the relationships that exist among the individuals within the family, as well as the relationships that exist between the family and other institutions in society. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Sociology Discipline. T

### SOCI Minority Studies Credits 2319 [F] 3

This course studies minority-majority group relations, addressing their historical, cultural, social, economic, and institutional development in the United States. Both sociological and social psychological levels of analysis will be employed to discuss issues including experiences of minority groups within the context of their cultural heritage and tradition, as well as that of the dominant culture. Core concepts to be examined include (but are not limited to) social dominance/subordination, prejudice, inequality, discrimination. Particular minority groups discussed may include those based on poverty, race/ethnicity, gender, sexual orientation, age, disability, or religion. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Sociology Discipline. **T** 

#### SOCW Introduction to Credits 2361 Social Work 3

An overview of the history and development of social work as a profession. The course is designed to foster a philosophical, historical, and critical understanding of the social work profession, including social work values, ethics, and areas of practice utilized under a Generalist Intervention Model. (3:0). *Social Work Discipline.* **T** 

#### SOCW Social Welfare: Credits 2362 Legislation, Programs, 3 & Services

This course offers a historical and contemporary examination of legislation and resulting programs, policies, and services in the context of the social welfare system in the United States. Special attention is given to the political, economic, environmental, and social conditions that prompted the development of legislation to meet the needs of vulnerable populations. Societal responses to legislation are also considered. (3:0). Social Work Discipline. **T** 

#### SPAN Beginning Spanish I Credits 1411 [F] 4

Basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the beginner level. (3:2). Lab fee. Foreign Languages Discipline. **T** 

#### SPAN Beginning Spanish II Credits 1412 [F] 4

Continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the high beginner to low intermediate level. **Prerequisite: SPAN 1411 or by Spanish placement exam. (3:2). Lab fee.** *Foreign Languages Discipline.* **T** 

### SPAN Intermediate Spanish I Credits 2311 [CF] 3

The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading, and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. **Prerequisites: SPAN 1412 or by Spanish Placement Exam. (3:0).** Foreign Languages Discipline. **T** 

### SPAN Intermediate Spanish II Credits 2312 [F] 3

The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading, and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Prerequisite: SPAN 2311 or by Spanish Placement Exam. (3:0). Foreign Languages Discipline. T

## SPAN Spanish for Native/ Credits 2313 Heritage Speakers I 3 [CF]

Builds upon existing oral proficiencies of heritage speakers of Spanish. Enhances proficiencies in the home-based language by developing a full range of registers including public speaking and formal written discourse. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. (3:0). Foreign Languages Discipline. **T** 

## SPAN Spanish for Native/ Credits 2315 Heritage Speakers II 3 [CF]

Builds upon existing oral proficiencies of heritage speakers of Spanish. Enhances proficiencies in the home-based language by developing a full range of registers including public speaking and formal written discourse. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. **Prerequisite: SPAN 2313 or by Spanish Placement Exam. (3:0).** Foreign Languages Discipline. **T** 

### SPCH Introduction to Speech Credits 1311 Communication 3

Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Speech Communication Discipline. **T** 

### SPCH Public Speaking Credits 1315 [C] 3

Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations. Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Speech Communication Discipline. **T** 

## SPCH Interpersonal Credits 1318 Communication 3 [C]

Application of communication theory to interpersonal relationship development, maintenance, and termination in relationship contexts including friendships, romantic partners, families, and relationships with co-workers and supervisors. Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Speech Communication Discipline. T

#### SPCH Business & Professional Credits 1321 Communication 3 [C]

Study and application of communication within the business and professional context. Special emphasis will be given to communication competencies in presentations, dyads, teams and technologically mediated formats. Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Speech Communication Discipline. T

#### SPCH Discussion & Small Group Credits 2333 Communication 3

Discussion and small group theories and techniques as they relate to group process and interaction. **Prerequisite: Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0).** *Speech Communication Discipline.* **T** 

### SPCH Argumentation Credits 2335 & Debate 3

Theories and practice in argumentation and debate including analysis, reasoning, organization, evidence, and refutation. Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Speech Communication Discipline. **T** 

#### SPCH Oral Credits 2341 Interpretation 3

Theories and techniques in analyzing and interpreting literature. Preparation and presentation of various literary forms. Placement at college-level English Language Arts Reading by TSIA2 or equivalent; OR completion with a "C" or better or concurrent enrollment in the following: INRW 0311 or INRW 0312 or INRW 0313. (3:0). Speech Communication Discipline. **T** 

#### SRGT Technological Sciences for Credits 1244 the Surgical Technologist 2

Specialized surgical modalities covered include endoscopy, microsurgery, therapeutic surgical energies, and other integrated science technologies. A grade of "C" or better is required in this course to take the next course. **Prerequisites: SRGT 1405 and SRGT 1509. Corequisites: SRGT 1541 and SRGT 2560. (2:1). Lab fee.** *Surgical Technology Discipline.* **W** 

#### SRGT Introduction to Surgical Credits 1405 Technology 4

Orientation to surgical technology theory, surgical pharmacology and anesthesia, technological sciences, and patient care concepts. A grade of "C" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and HPRS 1206. Corequisite: SRGT 1509. (4:1). Lab fee. Surgical Technology Discipline. W

#### SRGT Fundamentals of Credits 1509 Perioperative Concepts 5 and Techniques

In-depth coverage of perioperative concepts such as aseptic principles and practices, infectious processes, wound healing, and creation and maintenance of the sterile field. A grade of "C" or better is required in this course to take the next course. Prerequisites: BIOL 2401 and HPRS 1206. Corequisite: SRGT 1405. (3:6). Lab fee. Professional Practice Insurance required. Surgical Technology Discipline. W

#### SRGT Surgical Credits 1541 Procedures I 5

Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the general, obstetric/gynecologic (OB/GYN), genitourinary, otorhinolaryngology, and orthopedic surgical specialties incorporating instruments, equipment, and supplies required for safe patient care. A grade of "C" or better is required in this course to take the next course. Prerequisites: SRGT 1405 and SRGT 1509. Corequisites: SRGT 1244 and SRGT 2560. (4:4). Lab fee. Surgical Technology Discipline. W

#### SRGT Surgical Credits 1542 Procedures II 5

Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the cardiothoracic, peripheral vascular, plastic/reconstructive, ophthalmology, oral/maxillofacial, and neurological surgical specialties incorporating instruments, equipment, and supplies required for safe patient care. A grade of "C" or better is required in this course to take the next course. Prerequisites: SRGT 1244 and SRGT 1541 and SRGT 2560. Corequisite: SRGT 2561. (4:4). Lab fee. Surgical Technology Discipline. W

#### SRGT Clinical-Surgical Credits 2560 Technology/Technologist I 5

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisites: SRGT 1405 and SRGT 1509. Corequisites: SRGT 1244 and SRGT 1541. (0:24). Professional Practice Insurance required. Surgical Technology Discipline. W

#### SRGT Clinical-Surgical Credits 2561 Technology/ 5 Technologist II

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A grade of "C" or better is required in this course to take the next course. Prerequisites: SRGT 1244 and SRGT 1541 and SRGT 2560. Corequisite: SRGT 1542. (0:24). Professional Practice Insurance required. Surgical Technology Discipline. W

# T

#### TECA Families, School, Credits 1303 & Community 3

A study of the child, family, community, and schools, including parent education and involvement, family and community lifestyles, child abuse, and current family life issues. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with the National Association for the Education of Young Children position statement related to developmentally appropriate practices for children from birth through age eight. Requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations. The course includes a minimum of 16 hours of field experiences. (2:2). Teacher Preparation Discipline. **T** 

### TECA Educating Young Credits 1311 Children 3

An introduction to the education of the young child, including developmentally appropriate practices and programs, theoretical and historical perspectives, ethical and professional responsibilities, and current issues. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with the National Association for the Education of Young Children position statement related to developmentally appropriate practices for children from birth through age eight. Requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations; and the course includes a minimum of 16 hours of field experiences. (2:2). Teacher Preparation Discipline. **T** 

### TECA Wellness of the Credits 1318 Young Child 3

A study of the factors that impact the well-being of the young child including healthy behavior, food, nutrition, fitness, and safety practices. Focuses on local and national standards and legal implications of relevant policies and regulations. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with the National Association for the Education of Young Children position statement related to developmentally appropriate practices for children from birth to age eight. Requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations. Course includes a minimum of 16 hours of field experiences. (2:2). Teacher Preparation Discipline. **T** 

#### TECA Child Growth & Credits 1354 Development 3

A study of the physical, emotional, social, language, and cognitive factors impacting growth and development of children through adolescence. (3:0). *Teacher Preparation Discipline*. **T** 

#### TRVM Customer Sales Credits 1201 and Service 2

Practical information and techniques to create excellent customer sales and service unique to the travel public. (2:0). *Travel and Tourism Discipline*. **W** 

### TRVM Cruises Credits 1217 2

Current issues and trends related to the cruise industry. Includes a discussion of the many types of cruise lines and the reasons for the popularity of this mode of travel. (2:1). *Travel and Tourism Discipline*. **W** 

### TRVM Introduction to Travel Credits 1300 and Tourism 3

An overview of the travel and tourism industry. Emphasis on travel careers and the impact of tourism on society. Explores aspects of organizations which make up the travel and tourism industry including transportation, lodging, retail operations, attractions, private and public attractions, professional organizations, government travel and tourism agencies. (3:0). Travel and Tourism Discipline. **W** 

### TRVM Travel Credits 1306 Automation I 3

An introduction to computer training using one of the major computer reservation systems for the travel industry. Emphasizing formats for a Passenger Name Record (PNR), availability for flight and accommodations. Including ticketing, fares, cancelations, and passenger name modifications by computer. (3:1). Travel and Tourism Discipline. **W** 

#### TRVM Travel Destinations I-1308 Western Hemisphere 3

Study of countries located in the Western Hemisphere including Canada, United States, Latin America, South America, and the Caribbean Islands. Emphasis on the culture, customs, seasonal attractions, climate, physical features, language, currency, political conditions, and how they affect both the business and leisure traveler. (3:0). *Travel and Tourism Discipline.* **W** 

### TRVM Group Tour Credits 1323 Operations 3

A study of the role of the group planner, selling to groups, and planning itineraries, including components of a tour package, tour costing, advertising and promotion, group dynamics, and tour guide qualifications. Introduces development of group tour arrangements and conducting group travel tours. (3:0). Travel and Tourism Discipline. **W** 

### TRVM Travel Destinations II- Credits 1341 Eastern Hemisphere 3

Study of countries located in the Eastern Hemisphere including Europe, Asia, Africa, Middle East, Australia, and New Zealand. Emphasis on the culture, customs, seasonal attractions, climate, physical features, language, currency, and political conditions and how they affect both the business and leisure traveler. (3:0). *Travel and Tourism Discipline*. **W** 

#### TRVM Travel and Tourism Sales Credits 1345 and Marketing Techniques 3

A study of marketing, sales techniques, promotions, and advertising theories as applied to the travel and tourism industry. Exposure to the marketing mix relating to market segmentation, market planning, advertising and other communication techniques. Emphasis on role playing scenarios and consumer buying behavior. Product-service mix will be addressed. (3:0). Travel and Tourism Discipline. **W** 

# TRVM Practicum (or Field Credits 2266 Experience)-Tourism and 2 Travel Services Management

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. **Prerequisite: TRVM 1345.** (0:15). *Travel and Tourism Discipline.* **W** 

#### TRVM Travel Industry Credits 2305 Management 3

An overview of mid-management responsibilities within the travel and tourism industry. Students will describe the management functions including: analyzing, coordinating, implementing, and supervising tasks of managing a business. (3:0). *Travel and Tourism Discipline*. **W** 

### TRVM Convention and Exposition Credits 2331 Law and Ethics 3

Application of general legal principles and statutory requirements to meetings, conventions and trade shows. Emphasis on ethical considerations to problems faced by meeting planners, hotels, and convention centers in the negotiation and implementation of agreements for meetings and similar events. (3:0). Travel and Tourism Discipline. **W** 

### TRVM Travel Credits 2335 Automation II 3

A continuation of the study of airline computer reservation systems. Emphasis on reserving cars and hotels, using queues, creating passenger profiles, interpreting air fares, rules, and routing, and explaining these to passengers. Explores international procedures. **Prerequisite: TRVM 1306. (3:1).** *Travel and Tourism Discipline.* **W** 



#### VNSG Growth and Credits 1133 Development 1

Study of the basic aspects of growth and development throughout the life span. Focus on growth and development of the individual's body, mind, and personality as influenced by the environment. A grade of "C" or better is required in this course to take the next course. (1:0). Vocational Nursing Discipline. **W** 

## VNSG Clinical-Licensed Credits 1160 Practical/Vocational 1 Nurse Training

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Provides clinical experience in basic client care skills. Students must successfully complete this course to take/stay enrolled in VNSG 1402 and VNSG 1260. A grade of "C" or better is required in this course to take the next course. Corequisite: VNSG 1323. (0:4). Professional Practice Insurance required. Vocational Nursing Discipline. W

## VNSG Clinical-Licensed Credits 1161 Practical/Vocational 1 Nurse Training

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Provides an opportunity to utilize the roles of the vocational nurse while providing nursing care for adult clients with medical-surgical conditions. Students must pass VNSG 1227, VNSG 1260 and VNSG 1402, VNSG 1160 and VNSG 1323 with a grade of "C" or better to enroll in this course. A grade of "C" or better is required in this course to take the next course. Corequisite: VNSG 2413. (0:6). Professional Practice Insurance required. Vocational Nursing Discipline. W

## VNSG Clinical-Licensed Credits 1163 Practical/Vocational 1 Nurse Training

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Provides an opportunity to utilize the roles of the vocational nurse while providing nursing care for adult clients. Students must pass VNSG 1260 and VNSG 1402, VNSG 1160 and VNSG 1323 with a grade of "C" or better to enroll in this course. A grade of "C" or better is required in this course to take the next course. Corequisites: VNSG 1166 and VNSG 2214. (0:4). Professional Practice Insurance required. Vocational Nursing Discipline. W

VNSG	Practicum (or Field	Credits
1166	Experience)-Licensed	1
	Practical/Vocational	
	Nurse Training	

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Provides the student with a supervised introduction to the professional role of the vocational nurse as a provider of patient-centered care, member of the health care team, patient safety advocate, and member of the profession. Students must pass VNSG 2214 and VNSG 1163 with a grade of "C" or better to take this course. A grade of "C" or better is required in this course to take the next course. Corequisites: VNSG 1163 and VNSG 2214. (0:7). Professional Practice Insurance required. Vocational Nursing Discipline. W

#### VNSG Leadership and Credits 1219 Professional Development 2

Study of the importance of professional growth. Topics include the role of the licensed vocational nurse in the multidisciplinary health care team, professional organizations, and continuing education. Analyzes in-depth the role of the vocational nurse with current ethical and legal factors. Discusses typical professional career paths, including leadership roles. Researches the process for licensure. A grade of "C" or better is required in this course to take the next course. Corequisites: VNSG 1230 and VNSG 1263 and VNSG 1234 and VNSG 1262. (2:0). Vocational Nursing Discipline. W

#### VNSG Essentials of Medication Credits 1227 Administration 2

General principles of medication administration including determination of dosage, preparation, safe administration, and documentation of multiple forms of drugs. Instruction includes various systems of measurement. Applies the nursing process and critical thinking in the administration of oral, topical, enteral, and parenteral medications by the vocational nursing student. A grade of "C" or better is required in this course to take the next course. Prerequisite: MATH 0305 with a "C" or better or by placement exam. Corequisites: VNSG 1160 and VNSG 1323 and VNSG 1402 and VNSG 1260. (1:4). Lab fee. Vocational Nursing Discipline. W

#### VNSG Maternal-Neonatal Credits 1230 Nursing 2

A study of the biological, psychological, and sociological concepts applicable to basic needs of the family including childbearing and neonatal care. Utilization of the nursing process in the assessment and management of the childbearing family. Topics include on physiological changes related to pregnancy, fetal development, and nursing care of the family during labor and delivery and the puerperium. Students must pass VNSG 1234 and VNSG 1262 with a "C" or better to enroll in this course. A grade of "C" or better is required in this course to take the next course. Corequisites: VNSG 1219 and VNSG 1234 and VNSG 1262 and VNSG 1263. (2:1). Lab fee. Vocational Nursing Discipline. W

### VNSG Pediatrics Credits 1234 2

Study of the care of the pediatric patient and family during health and disease. Emphasis on growth and developmental needs utilizing the nursing process. Integrates the roles of the vocational nurse while applying concepts of growth and development to the care of pediatric patients with medical-surgical conditions. Students must pass VNSG 1166 and VNSG 1133 or PSYC 2314 with a "C" or better to enroll in this course. A grade of "C" or better is required in this course to take the next course. Corequisites: VNSG 1219 and VNSG 1230 and VNSG 1262 and VNSG 1263. (2:1). Lab fee. Vocational Nursing Discipline. W

#### VNSG Clinical-Licensed Credits 1260 Practical/Vocational 2 Nurse Training

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Students must pass VNSG 1160 and VNSG 1323 with a grade of "C" or better to take the next course. Corequisite: VNSG 1402. (0:6). Professional Practice Insurance required. Vocational Nursing Discipline. W

#### VNSG Clinical-Licensed Credits 1262 Practical/Vocational 2 Nurse Training

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Provides an opportunity to utilize the roles of the vocational nurse while applying concepts of growth and development to the care of pediatric clients with medical-surgical conditions. Students must pass VNSG 1166 and PSYC 2314 or VNSG 1133 with a grade of "C" or better to enroll in this course. A grade of "C" or better is required in this course to take the next course. Corequisites: VNSG 1230 and VNSG 1234 and VNSG 1263 and VNSG 1219. (0:8). Professional Practice Insurance required. Vocational Nursing Discipline. W

## VNSG Clinical-Licensed Credits 1263 Practical/Vocational 2 Nurse Training

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Provides an opportunity to utilize the roles of the vocational nurse while providing care for the childbearing family during the phases of pregnancy, childbirth, and the neonatal period, including abnormal conditions. Students must pass VNSG 1234 and VNSG 1262 with a grade of "C" or better to enroll in this course. A grade of "C" or better is required in this course to take the next course. Corequisites: VNSG 1219 and VNSG 1230 and VNSG 1234 and VNSG 1262. (0:8). Professional Practice Insurance required. Vocational Nursing Discipline. W

#### VNSG Basic Nursing Credits 1323 Skills 3

Mastery of basic nursing skills and competencies for a variety of health care settings using the nursing process as the foundation for all nursing interventions. Introduces the student to the role of the vocational nurse as a provider of patient-centered care, member of the health care team, patient safety advocate, and member of the profession. Students must successfully complete VNSG 1227 with a "C" or better to stay enrolled in VNSG 1323 and VNSG 1160. A grade of "C" or better is required in this course to take the next course. Corequisite: VNSG 1160. (2:2). Lab fee. Vocational Nursing Discipline. W

#### VNSG Applied Nursing Credits 1402 Skills I 4

Introduction to the application of primary nursing skills. Emphasis on utilization of the nursing process and related scientific principles. Students will be able to describe the underlying principles of selected nursing skills and their relationship to patient health status; demonstrate performance of selected nursing skills utilizing principles of safety; and identify the nursing process as applied to basic care across the life span. A grade of "C" or better is required in this course to take the next course. Corequisite: VNSG 1260. (3:2). Lab fee. Vocational Nursing Discipline. W

#### VNSG Health Credits 1405 Science 4

An introduction to the general principles of anatomy and physiology, nutrition, and microbiology necessary for understanding body processes and basic principles underlying health promotion and therapeutic interventions. A grade of "C" or better is required in this course to take the next course. (3:2). Lab fee. Vocational Nursing Discipline. W

#### VNSG Anatomy and Physiology Credits 1420 for Allied Health 4

Study of the structure (anatomy) and function (physiology) of the human body, including the neuroendocrine, integumentary, musculoskeletal, digestive, urinary, reproductive, respiratory, and circulatory systems. A grade of "C" or better is required in this course to take the next course. (3:2). Lab fee. Vocational Nursing Discipline. W

#### VNSG Applied Nursing Credits 2214 Skills III 2

Application of nursing skills to meet complex patient needs utilizing the nursing process and related scientific principles. Emphasizes advanced assessment and reassessment based on evaluation. Students must pass VNSG 1161 and VNSG 2413 with a grade of "C" or better to enroll in this course. A grade of "C" or better is required in this course to take the next course. Corequisites: VNSG 1166 and VNSG 1163. (1:3). Lab fee. Vocational Nursing Discipline. W

#### VNSG Applied Nursing Credits 2413 Skills II 4

Application of nursing skills to meet complex patient needs utilizing the nursing process and related scientific principles. Emphasizes implementation and evaluation. Students must pass VNSG 1227, VNSG 1323 and VNSG 1402, VNSG 1160 and VNSG 1260 with a grade of "C" or better to enroll in this course. A grade of "C" or better is required in this course to take the next course. Corequisite: VNSG 1161. (4:1). Lab fee. Vocational Nursing Discipline. W



#### WLDG Welding Codes Credits 1327 and Standards 3

An in-depth study of welding codes and their development in accordance with structural standards, welding processes, destructive and nondestructive test methods. Emphasizes symbols, and the practical implementation of AWS D1.1, API 1104 and ASME welding codes. Hands-on lab includes preparation for welder certification. (3:1). Lab fee. Welding Discipline. W

#### WLDG Introduction to Credits 1337 Welding Metallurgy 3

A study of metals from the ore to the finished product. Emphasis on metal alloys, heat treating, hard surfacing, welding techniques, forging, foundry processes, and mechanical properties of metal including hardness, machinability, and ductility. (2:4). Lab fee. Welding Discipline. W

#### WLDG Introduction to Welding Credits 1407 Using Multiple Processes 4

Basic welding techniques using some of the following processes: oxy-fuel welding (OFW) and cutting, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux cored arc welding (FCAW), and gas tungsten arc welding (GTAW). Emphasizes development of basic welding techniques and good joint preparation using low carbon steel. Includes OSHA 10 safety course, 10 hours of construction safety and fall protection. (3:3). Lab fee. Welding Discipline.

W

#### WLDG Introduction to Blueprint Credits 1413 Reading for Welders 4

A study of industrial blueprints. Emphasis placed on terminology, symbols, graphic description, and welding processes. Includes systems of measurement and industry standards. Also includes interpretation of plans and drawings used by industry to facilitate field application and production. (3:3). Lab fee. Welding Discipline. W

## WLDG Introduction to Gas 1434 Tungsten Arc Welding (GTAW) Credits 4

Principles of gas tungsten arc welding (GTAW), including setup, GTAW equipment. Instruction in various positions and joint designs. Student practice will include low carbon steel. (3:3). Lab fee. Welding Discipline. W

#### WLDG Introduction to Credits 1435 Pipe Welding 4

An introduction to welding of pipe using the shielded metal arc welding process (SMAW), including electrode selection, equipment setup, and safe shop practices. Emphasis on various welding positions and electrodes. (3:3). Lab fee. Welding Discipline. W

## WLDG Intermediate Shielded Credits 1457 Metal Arc Welding 4 (SMAW)

A study of the production of various fillets and groove welds. Preparation of specimens for testing in various positions. Emphasizes development of multi-pass welding techniques. Prerequisite: WLDG 1407. (2:4). Lab fee. Welding Discipline. W

#### WLDG Advanced Gas Metal Arc Credits 2447 Welding (GMAW) 4

Advanced topics in gas metal arc welding (GMAW). Includes welding in various positions. Emphasizes development of short-circuits, globular and spray transfer techniques. (3:3). Lab fee. Welding Discipline. W

#### WLDG Advanced Gas Tungsten Credits 2451 Arc Welding (GTAW) 4

Advanced topics in GTAW welding, including welding in various positions and directions. Student practice will include low/high carbon steel, stainless steel and aluminum. Prerequisites: WLDG 1407 and WLDG 1434. (3:3). Lab fee. Welding Discipline. W

#### WLDG Advanced Credits 2453 Pipe Welding 4

Advanced topics involving welding of pipe using the shielded metal arc welding (SMAW) process. Topics include electrode selection, equipment setup, and safe shop practices. Emphasis on weld positions 5G and 6G using various electrodes. (3:3). Lab fee. Welding Discipline. W

### **Administrative Staff**

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### **Full Time Faculty**

### Faculty Responsibilities & Instructional Guidelines

#### **Academic Freedoms and Responsibility**

(Board Policies DGC (Local))

Each faculty member is entitled to full freedom in the classroom in discussing the subject which he or she teaches but is expected not to introduce controversial matters which have no relation to the classroom subject. Each faculty member also is a citizen of the nation, state, and community, and when speaking, writing, or acting as such, must be free from institutional censorship or discipline, subject to academic responsibility as hereinafter set out, and the faculty member should make it clear that he or she is not speaking for the institution.

The concept of academic freedom for faculty must be accompanied by an equally demanding concept of academic responsibility. A faculty member has a responsibility to the institution, his or her profession, his or her students, and society at large. The rights and privileges of faculty members extended by society and protected by governing boards and administrators through written policies and procedures on academic freedom and tenure, and as further protected by the courts, require reciprocally the assumption of certain responsibilities by faculty members.

Some of the Responsibilities include the following:

- The fundamental responsibilities of a faculty member as a teacher and scholar include maintenance of competence in his or her field of specialization and exhibition the professional competence in the classroom, studio, or laboratory and in the public arena by such activities discussion, lectures, consulting, publications, or participation in professional organizations and meetings.
- B. The exercise of professional integrity by a faculty member includes recognition that the public will judge his or her profession and institution by his or her statements. Therefore, the faculty member should strive to be accurate, to exercise appropriate restraint, to be willing to listen to and show respect to others expressing different opinions, and to avoid creating the impression that the faculty member speaks or acts for his or her college when speaking or acting as a private person.
- C. The constitutionally protected right of the faculty member, as a citizen, to freedom of expression must be balanced with the interest of the State, as an employer, in promoting the efficiency of the educational services it performs through its employees. A faculty member's comments are protected even though they may be highly critical in tone or content, or erroneous, but such statements

are not protected free speech if they either substantially impede the faculty member's performance of his or her daily duties or materially and substantially interfere with the regular operation of the institution, if they are part of a continuing pattern of expression of such nature as to destroy the harmony and morale of a division, department, or college. False statements made with knowledge of their falsity or in reckless disregard of the truth are not entitled to constitution protection, and public statements may be so without foundation as to call into question the fitness of the faculty member to perform his or her professional duties.

- D. A faculty member should be judicious in the use of controversial material in the classroom and should introduce such material only as it has a clear relationship to his/her subject.
- E. A faculty member should be professional in his or her conduct in t the classroom and in his or her relationships with students. The faculty member should maintain respect for the student and for the student's posture as a learner. The faculty member should make himself or herself appropriately available to the student for consultation on coursework.

A faculty member has the responsibility to provide timely and adequate notice of his or her intention to interrupt or terminate institutional services.

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