

# Lamar State College Orange

## *2021-2022 Catalog, Volume 55*

*Revised 08/26/2021*



The provisions of this catalog do not constitute a contract, expressed or implied, between any applicant, student and/or faculty member at Lamar State College Orange. The College reserves the right to withdraw courses at any time or to change fees, calendars, curricula, graduation procedures or any other requirement affecting students. Changes become effective when the proper authorities so determine the application to both prospective students and to the students already enrolled.

Information in this catalog pertains to Lamar State College Orange. For information concerning other Lamar campuses, consult their respective catalogs.

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*Lamar State College Orange is committed to providing equal access and opportunity for all persons regardless of race, sex, color, religion, national origin or ancestry, age, marital status, disability, sexual orientation, gender identity, or veteran status, in employment, educational programs, and activities and admissions. LSCO complies with Title IX of the Higher Education Amendments of 1972 (Title IX), which prohibits discrimination on the basis of sex in educational programs or activities; Title VII of the Civil Rights Act of 1964 (Title VII), which prohibits sex discrimination in employment; Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination based on disability, the Age Discrimination Act of 1975, which prohibits discrimination based on age, and the Campus Sexual Violence Elimination Act. Sexual misconduct, as defined in the College's Sexual Misconduct Policy, constitutes a form of sex discrimination prohibited by Title IX and Title VII.*

*For questions concerning our non-discrimination policy, you may contact our Title IX Coordinator at 409-882-3922 or the Office for Civil Rights at 214-661-9600.*

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## A Message from the President

### *Welcome to Lamar State College Orange!*

For more than 50 years, Lamar State College Orange has served a variety of diverse students across multiple disciplines. Throughout that time, much has changed in the way of instructional methods and programs. What has not changed is Lamar State College Orange's commitment to providing a first-class education that prepares students for a four-year degree and the workplace.

Our freshman- and sophomore-level academic courses fulfill the core curriculum requirements for most degrees and are fully transferable to senior institutions. Students interested in vocational/technical programs can choose from a number of options geared toward the local job market.

We're ready to meet you wherever you are in your education journey. Our small class sizes allow for one-on-one learning opportunities, and our tuition makes college affordable for everyone.

As our campus grows and our list of programs expands, we continue to emphasize personal attention at every point of the College experience. Our students are important to us, and we want to see them grow and prosper.

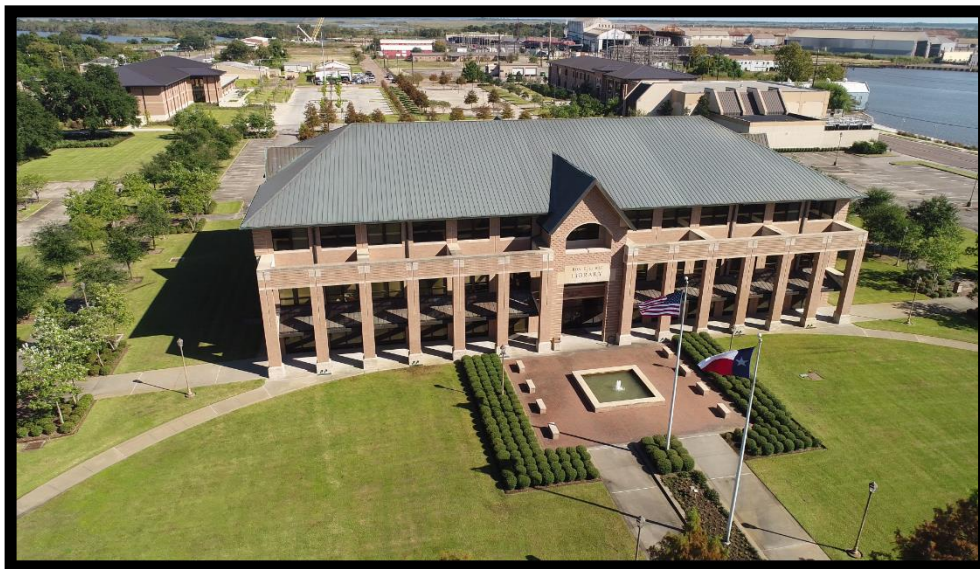
Our job is to improve the lives of our students, respect our students, and serve the needs of our community.

We honor the traditions that paved the way for our success at Lamar State College Orange, and we look ahead to what's next.

Lamar State College Orange is where hope meets opportunity. Call or visit our campus today, and let us help you discover your bright, Orange future!

Your humble servant,

Dr. Thomas Johnson, President



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# Campus Map and Academic Calendars

Lamar State College Orange Campus Map  
Fall Semester 2021  
Spring Semester 2022  
Summer Semester 2022

# Campus Map



# Academic Calendars 2021-2022

\*All dates are subject to change and should be verified.

## Fall Semester 2021

### April 2021

4/5/2021	In Person and Online Registration Begins (16-week, 8-week one, 8-week two)
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### August 2021

8/16/2021	First day to "OPT OUT" of GATOR BOOK PACK (16-week, 8-week one)
8/17/2021	Online Registration Closes, In Person Registration Continues (16-week, 8-week one, 8-week two)
8/18/2021	Payment Due Date 5 PM (16-week, 8-week one, 8-week two)
8/21/2021	Saturday In Person Registration (16-week, 8-week one, 8-week two)
8/23/2021	First Day of Class (16-week, 8-week one)
8/24/2021	In Person Registration Closes (16-week, 8-week one)
8/24/2021	Last day to "OPT OUT" of GATOR BOOK PACK (16-week, 8-week one)
8/27/2021	Schedule Changes Close (Require Instructor Approval) (16-week, 8-week one)
8/27/2021	Last Day to Petition for "No Grade" (8-week one)
8/27/2021	Applications for December 2021 Commencement Open (16-week, 8-week one, 8-week two)
8/30/2021	Last Day to Drop without Penalty (Census Date) (8-week one)

### September 2021

9/6/2021	Labor Day Holiday (Campus Closed)
9/7/2021	Last Day to Petition for "No Grade" (16-week)
9/8/2021	Last Day to Drop without Penalty (Census Date) (16-week)
9/22/2021	First Installment Plan Due 5 PM (16-week, 8-week one, 8-week two)

### October 2021

10/7/2021	Last Day to Drop or Withdraw (8-week one)
10/13/2021 - 10/15/2021	Final Exam Period (8-week one)
10/18/2021 - 10/21/2021	Fall Break (Campus Open)
10/18/2021	Graduate Grades Due NOON (8-week one)
10/18/2021	Grades Due NOON (8-week one)
10/18/2021	First day to "OPT OUT" of GATOR BOOK PACK (8-week two)
10/20/2021	Second Installment/Short Term Loans Due 5 PM (16-week, 8-week one, 8-week two)
10/22/2021	Fall Break Day (Campus Closed)
10/25/2021	First Day of Class (8-week two)
10/25/2021	In Person Registration Closes (8-week two)

10/26/2021	Last day to "OPT OUT" of GATOR BOOK PACK (8-week two)
10/29/2021	Schedule Changes Close (Require Instructor Approval) (8-week two)
10/29/2021	Deadline to return all GATOR PACK textbooks to B&N (8-week one)
10/31/2021	Last Day to Petition for "No Grade" (8-week two)

**November 2021**

11/1/2021	Last Day to Drop without Penalty (Census Date) (8-week two)
11/19/2021	Applications for December 2021 Commencement Close 5 PM (16-week, 8-week one, 8-week two)
11/25/2021 - 11/26/2021	Thanksgiving Holiday (Campus Closed)
11/29/2021	Last Day to Drop or Withdraw (16-week, 8-week two)

**December 2021**

12/9/2021 - 12/15/2021	Final Exam Period (16-week)
12/14/2021 - 12/15/2021	Final Exam Period (8-week two)
12/15/2021	Deadline to return all GATOR PACK textbooks to B&N (16-week, 8-week two)
12/16/2021	Graduate Grades Due NOON (16-week, 8-week two)
12/17/2021	Commencement
12/20/2021	Grades Due NOON (16-week, 8-week two)

**Winter Mini Semester 2021 - Coming Soon****Spring Semester 2022****November 2021**

11/1/2021	In Person and Online Registration Begins (16-week, 8-week one, 8-week two)
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**January 2022**

1/8/2022	Saturday In Person Registration (16-week, 8-week one, 8-week two)
1/10/2022	First day to "OPT OUT" of GATOR BOOK PACK (16-week, 8-week one)
1/11/2022	Online Registration Closes, In Person Registration Continues (16-week, 8-week one, 8-week two)
1/12/2022	Payment Due Date 5 PM (16-week, 8-week one, 8-week two)
1/17/2022	Martin Luther King Holiday (Campus Closed)
1/18/2022	First Day of Class (16-week, 8-week one)
1/19/2022	In Person Registration Closes (16-week, 8-week one)
1/19/2022	Last day to "OPT OUT" of GATOR BOOK PACK (16-week, 8-week one)
1/21/2022	Applications for May 2022 Commencement Open



1/21/2022	Schedule Changes Close (Require Instructor Approval) (16-week, 8-week one)
1/24/2022	Last Day to Petition for "No Grade" (8-week one)
1/25/2022	Last Day to Drop without Penalty (Census Date) (8-week two)

**February 2022**

2/1/2022	Last Day to Petition for "No Grade" (16-week)
2/2/2022	Last Day to Drop without Penalty (Census Date) (16-week)
2/16/2022	First Installment Plan Due 5 PM (16-week, 8-week one, 8-week two)
2/22/2022	Last Day to Drop or Withdraw (8-week one)

**March 2022**

3/9/2022 - 3/11/2022	Final Exam Period (8-week one)
3/14/2022	Graduate Grades Due NOON (8-week one)
3/14/2022	First day to "OPT OUT" of GATOR BOOK PACK (8-week two)
3/16/2022	Grades Due NOON (8-week one)
3/14/2022 - 3/17/2022	Spring Break (Campus Open)
3/18/2022	Spring Break Day (Campus Closed)
3/18/2022	Deadline to return all GATOR PACK textbooks to B&N (8-week one)
3/21/2022	First Day of Class (8-week two)
3/22/2022	In Person Registration Closes (8-week two)
3/22/2022	Last day to "OPT OUT" of GATOR BOOK PACK (8-week two)
3/23/2022	Second Installment/Short Term Loans Due 5 PM (16-week, 8-week one, 8-week two)
3/25/2022	Schedule Changes Close (Require Instructor Approval) (8-week two)
3/27/2022	Last Day to Petition for "No Grade" (8-week two)
3/28/2022	Last Day to Drop without Penalty (Census Date) (8-week two)

**April 2022**

4/15/2022	Good Friday Holiday (Campus Closed)
4/18/2022	Last Day to Drop or Withdraw (16-week, 8-week two)
4/22/2022	Applications for May 2022 Commencement Close 5 PM

**May 2022**

5/5/2022 - 5/11/2022	Final Exam Period (16-week)
5/10/2022 - 5/11/2022	Final Exam Period (8-week two)
5/12/2022	Graduate Grades Due NOON (16-week, 8-week two)
5/13/2022	Commencement (16-week, 8-week one, 8-week two)
5/16/2022	Grades Due NOON (16-week, 8-week two)
5/20/2022	Deadline to return all GATOR PACK textbooks to B&N (16-week, 8-week two)

**Spring Mini Semester 2022 - Coming Soon****Summer Semester 2022****April 2022**

4/4/2022	In Person and Online Registration Begins (Full-Term, Summer Session I, Summer Session II)
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**May 2022**

5/23/2022	First day to "OPT OUT" of GATOR BOOK PACK (Full-Term, Summer Session I)
5/24/2022	Online Registration Closes, In Person Registration Continues (Full-Term, Summer Session I, Summer Session II)
5/25/2022	Payment Due Date 5 PM (Full-Term, Summer Session I, Summer Session II)
5/31/2022	First Day of Class (Full-Term, Summer Session I)

**June 2022**

6/1/2022	In Person Registration Closes (Full-Term, Summer Session I)
6/1/2022	Last day to "OPT OUT" of GATOR BOOK PACK (Full-Term, Summer Session I)
6/2/2022	Schedule Changes Close (Require Instructor Approval) (Full-Term, Summer Session I)
6/2/2022	Last Day to Petition for "No Grade" (Summer Session I)
6/3/2022	Last Day to Drop without Penalty (Census Date) (Summer Session II)
6/6/2022	Applications for August 2022 Commencement Open (Full-Term, Summer Session I, Summer Session II)
6/14/2022	Last Day to Petition for "No Grade" (Full-Term)
6/15/2022	Last Day to Drop without Penalty (Census Date) (Full-Term)
6/22/2022	First Installment Plan Due 5 PM (Full-Term ONLY)
6/23/2022	Last Day to Drop or Withdraw (Summer Session I)
6/27/2022	First day to "OPT OUT" of GATOR BOOK PACK (Summer Session II)

**July 2022**

7/1/2022	Final Exam Period (Summer Session I)
7/4/2022	Independence Day Holiday (Campus Closed)
7/5/2022	Grades Due NOON (Summer Session I)
7/5/2022	First Day of Class (Summer Session II)
7/6/2022	In Person Registration Closes (Summer Session II)
7/6/2022	Last day to "OPT OUT" of GATOR BOOK PACK (Summer Session II)

7/6/2022	Last Day to Drop without Penalty (Census Date) (Summer Session II)
7/7/2022	Last Day to Petition for "No Grade" (Summer Session II)
7/7/2022	Deadline to return all GATOR PACK textbooks to B&N (Summer Session I)
7/7/2022	Schedule Changes Close (Require Instructor Approval) (Summer Session II)
7/20/2022	Second Installment Due 5 PM (Full-Term ONLY)
7/25/2022	Applications for August 2022 Commencement Close 5 PM (Full-Term, Summer Session I, Summer Session II)
7/27/2022	First day to "OPT OUT" of GATOR BOOK PACK (Summer Session II)
7/27/2022	Last Day to Drop or Withdraw (Full-Term, Summer Session I)

**August 2022**

8/10/2022	Final Exam Period (Full-Term, Summer Session II)
8/11/2022	Graduate Grades Due NOON (Full-Term, Summer Session II)
8/12/2022	Commencement (Full-Term, Summer Session I, Summer Session II)
8/15/2022	Grades Due NOON (Full-Term, Summer Session II)
8/18/2022	Deadline to return all GATOR PACK textbooks to B&N (Full-Term, Summer Session II)

# About Lamar State College Orange

General Information

Community Services

Health Policies and Regulations



# General Information

## Effective Catalog Date

The effective date of this catalog is the beginning of the 2021 fall semester. A student must graduate by August 31, 2026 in order to be eligible to graduate under the provisions of this catalog.

## LSCO's History

In fall 1969 Lamar University opened its first extension center in Orange, Texas, with classes held in the old Tilley Elementary School. In 1971 the Texas Legislature passed legislation enabling Lamar University to operate a two-year educational center, thus removing the extension status and allowing students to take two full years of coursework on the Orange campus. In 1971 the building was destroyed by fire, and a spirited community-wide fundraising effort netted more than \$250,000 for the purchase of the former Sabine Supply Company building, located at 410 Front Street in Orange. Classes began at this location in fall 1971. Since that time facilities, enrollment and course offerings have grown steadily.

The Texas Legislature authorized the creation of the Lamar University System in 1983. In 1991 the Texas Legislature provided degree-granting authority to Lamar University-Orange. Lamar University-Orange, along with sister institutions in Port Arthur and Beaumont, was merged with the Texas State University System (TSUS), effective September 1, 1995. With system offices located in Austin, TSUS also includes Sam Houston State University, Texas State University-San Marcos and Sul Ross State University.

During the 1999 legislative session Lamar University-Orange was officially renamed Lamar State College Orange.

Lamar State College Orange currently has a student body totaling approximately 2,700. A variety of two-year academic programs is offered, leading to associate of science degrees. These programs will transfer to four-year institutions for students seeking baccalaureate degrees. Several technical/occupational programs are available, which lead to associate of applied science degrees or certificates of completion.

## Governance

A board of nine regents, appointed by the governor and approved by the state senate for terms of six years, governs the Texas State University System. The Board of Regents, in turn, delegates the operational authority to the Chancellor and the presidents, campus administrative officers and faculty of each component institution.

## Vision: Where Hope Meets Opportunity

Lamar State College Orange will be the College of choice serving Southeast Texas and Southwest Louisiana. As an exemplary place of learning, Lamar State College Orange will prepare the workforce of tomorrow. Our students will arrive with the hope of a productive future and leave with the knowledge and opportunities for success that a Lamar State College Orange education provides.

## Mission Statement

Lamar State College Orange transforms lives and communities through the continual pursuit of academic, professional, and personal excellence. We provide new and unique opportunities for growth and success. We are the bridge connecting those we serve to a bright, Orange future.

## Core Values

To foster a collaborative environment of integrity and accountability, Lamar State College Orange values:

- **Quality:** Providing excellence through education
- **Growth:** Building a shared vision of opportunity and advancement

- **Service:** Meeting the needs of the communities we serve
- **Innovation:** Creating an array of unique educational opportunities
- **Success:** Achieving personal and professional goals

## Accreditation

Lamar State College Orange is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award the associate of arts, associate of science and associate of applied science degrees, and certificates of completion. Questions about the accreditation of Lamar State College Orange 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](http://www.sacscoc.org)).

## Community Services

### The Brown Estate

The Brown Estate is a conference and meeting facility located off Highway 90 west of Orange. It is a center of educational, cultural and social activity, which serves the citizens of Orange County and the surrounding area. The 62 acres of scenic landscaped grounds, including a lake and greenhouses, feature a graceful mansion built and decorated in the southern antebellum plantation tradition.

Lamar State College Orange received the estate in 1976 as a gift from the four sons of the late Edgar W. Brown, Jr., an Orange businessman and philanthropist, who served as a charter member of the Lamar University Foundation, Inc.

The property, which is open to the public for tours, provides visitors with insights into the accomplishments and lifestyle of one of the region's leading citizens. The Brown Estate can be reserved for seminars, meetings, planning retreats, and other public service activities.

### Continuing and Workforce Education

Lamar State College Orange (LSCO) offers customized training programs for upgrading employment skills and/or for those pursuing areas of personal interest through its continuing education programs. These classes provide opportunities for individuals to continue their education in the academic and technical/occupational areas. A number of classes are offered for persons interested in pursuing creative activities, cultural endeavors, and/or recreational programs. Additional class offerings include personal development, computer skill enhancement, and professional development along with free community service learning opportunities.

Non-credit courses are open to interested adults without regard to eligibility for admission to college-credit programs. LSCO can award continuing education units (CEUs) to those who complete continuing education courses administered by LSCO. In no instance should the award of CEUs be equated with college credit toward a degree.

Continuing & Workforce Education (C&WE) offers customized business and industrial training. These programs are designed to fit the needs of local employers. Training can take place on the Lamar State College Orange campus, a local plant, or office location. C&WE has worked with local businesses and industry leaders to deliver courses in computer technology, leadership training, business communication, maintenance technology, and more. Courses vary in length from one hour, to one-day, to multi-faceted, long-term training.

# Health Policies and Regulations

## Bacterial Meningitis Vaccination Requirement

*Texas Senate Bill 1107* and subsequent *Senate Bill 62* requires all students entering an institution of higher education (public and private) to either receive a vaccination against bacterial meningitis or meet certain criteria for declining such a vaccination 10 days before the first day of classes. Therefore, if you are under the age of 22 and are 1) a returning student, who did NOT attend classes at Lamar State College Orange the preceding long semester, 2) an entering freshman, OR 3) a transfer student, you must submit evidence of vaccination against bacterial meningitis. Students that are taking online only courses DO NOT need to submit evidence of vaccination against bacterial meningitis. However, must complete a signed notarized waiver that may be obtained from the Admission & Records Office and may only enroll in on-line classes. To learn important facts about Bacterial Meningitis <http://www.cdc.gov/meningococcal/about/index.html>.

Proof of bacterial meningitis vaccination or exemption:

Evidence of Vaccination must verify that the vaccination was received at least 10 days prior to attending classes.

- A document bearing the signature or stamp of a physician, his or her designee, or public health official that states the name of the vaccination, the name and address of the medical facility, and the day, month and year that the vaccination was administered.
- An official immunization record generated by a state or local health authority. This record must state the name of the vaccination, the name and address of the medical facility, and the day, month and year that the vaccination was administered.
- An official school record that indicates a current bacterial meningitis vaccination. This record must state the name of the vaccination, the name and address of the medical facility, and the day, month and year that the vaccination was administered.

Evidence to Decline Vaccination must be submitted in the following format:

- To claim an exclusion for medical reasons, the student must present a statement signed by a physician (M.D. or D.O.), duly registered and licensed to practice medicine in the United States who has examined the student, in which it is stated that, in the physician's opinion, the vaccine required is medically contraindicated or poses a significant risk to the health and well-being of the student. Unless it is written in the statement that a lifelong condition exists, the exemption statement is valid for only one year from the date signed by the physician.
- An affidavit signed by the student stating that the student declines the vaccination for bacterial meningitis for reasons of conscience, including a religious belief. For information about requesting a conscientious objection exemption form from DSHS click here: <http://collegevaccinerequirements.com/>.

Important Considerations:

- The bacterial meningitis vaccination must be administered by a Health Practitioner authorized by law to administer an immunization.
- Vaccinations older than 5 years will require a booster.

How to provide proof of bacterial meningitis or exemption:

After evaluating multiple platforms, Lamar State College Orange chose an established provider, MedProctor. We are adopting this system because it:

- Reduces the future burden of paperwork on our students.
- Provides HIPAA and FERPA privacy and security practices to the information.
- Makes this information instantly available to you, the student, if the need arises in the future.
- Advances the speed of care and communication of our staff to you in the event of an outbreak or an illness.

After applying for admission students will receive an email from MedProctor containing instructions on how to set up their account and provide the information required by the state. The bacterial meningitis vaccine or exemption from the vaccine must be provided to MedProctor before registration. All students are required to submit their information through MedProctor.

### **Tobacco-Free Institution**

The Texas State University System Board of Regents passed a rule requiring all component institutions to prohibit the use of ALL TOBACCO PRODUCTS on properties owned by the System; there will be no exceptions. The **Tobacco-Free Policy** is in effect as of June 1, 2012. The rule applies to all students, faculty, staff, and visitors. Violators are subject to established administrative/disciplinary policies and procedures. The **Tobacco-Free Policy** may be viewed on the Lamar State College Orange web page at [www.lSCO.edu](http://www.lSCO.edu).

### **Policy Statement on AIDS**

The following is an excerpt of the Lamar State College Orange Policy on AIDS. Any employee, student or contractor of the College may request a copy of the *AIDS Policy* in its entirety from the Human Resources Department.

*Acquired Immune Deficiency Syndrome (AIDS) is a fatal disease that has become a nationwide public health problem.*

*Lamar State College Orange acknowledges the seriousness of this problem. In health-related matters such as this, the College follows the guidelines of recognized authorities including the National Center for Disease Control, the United States Public Health Service, the Department of State Health Services and the American College Health Association. Further, the College shall conform its actions to the Texas Communicable Disease Prevention and Control Act and other laws.*

*No current evidence exists that individuals infected with human immunodeficiency (HIV), the "AIDS Virus," can infect other individuals by casual contact. Accordingly, there is no reason to exclude individuals with AIDS, AIDS-Related Complex (ARC) or a positive test for antibody to HIV from campus academic, from social or cultural activities. Therefore, on the basis of current knowledge of the disease, individuals sharing common living space, work or study areas, libraries, classrooms, recreational facilities, and theaters do not represent a problem or public threat to the campus community.*

### **Compliance with the Americans with Disabilities Act of 1990**

Lamar State College Orange does not discriminate on the basis of disability in admission to, access to or operations of its programs, services or activities. Lamar State College Orange does not discriminate on the basis of disability in its hiring or employment practices.

Under the ADA a person has a disability if he/she has a physical or mental impairment that substantially limits a major life activity.

This notice is provided as required by *Title II of the Americans with Disabilities Act (ADA) of 1990*.

Questions, concerns, complaints or requests for additional information regarding the ADA may be forwarded to Lamar State College Orange's designated ADA Compliance Coordinator in room 364 of the Ron E. Lewis Library Building.

Individuals who need auxiliary aids for effective communication in programs and services of Lamar State College Orange are invited to make their needs and preferences known to the Office of Disability Support Services, third floor of the Ron E. Lewis Library Building.

### **Sexual Misconduct Policy**

The following is an excerpt of the Lamar State College Orange Sexual Misconduct Policy. Any employee,

student or contractor of the College may request a copy of the Sexual Misconduct Policy in its entirety from the Human Resources Department. It is also available on the LSCO website at [lSCO.edu/titleix/titleix.asp](http://lSCO.edu/titleix/titleix.asp).

The Texas State University System and Lamar State College Orange are committed to creating and maintaining educational communities in which each individual is respected, appreciated, and valued. LSCO diligently strives to foster an environment that permits and encourages everyone to perform at their highest levels. LSCO's focus on tolerance, openness, and respect is key in providing every member of the LSCO community with basic human dignity free from all forms of Sexual Misconduct, including Sexual Harassment, Sexual Assault, Domestic Violence, Dating Violence, and Stalking. Any report of behavior that threatens our institutional values and breaches this Policy shall be promptly investigated and remediated in accordance with principles of law, fairness, and equity to all Parties involved.

LSCO complies with Title IX of the Higher Education Amendments of 1972 (Title IX), which prohibits discrimination on the basis of sex in educational programs or activities; Title VII of the Civil Rights Act of 1964 (Title VII), which prohibits sex discrimination in employment; Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination based on disability, the Age Discrimination Act of 1975, which prohibits discrimination based on age, and the Campus Sexual Violence Elimination Act. Sexual misconduct, as defined in the College's Sexual Misconduct Policy, constitutes a form of sex discrimination prohibited by Title IX and Title VII.

### **Concealed Handguns on Campus**

In 2015, the Texas Legislature approved and the governor signed legislation permitting individuals who possess a concealed handgun license to carry a concealed handgun on a college campus. The legislation became effective on August 1, 2016. Lamar State College Orange has developed this policy pursuant to the requirements of Texas Government Code, Title 4, Subtitle B, Chapter 411, Subchapter H, Section 411.2031.

An individual possessing a valid concealed handgun license is entitled to carry a concealed handgun on the campus and premises of Lamar State College Orange. License holders who carry a handgun on campus must carry it on or about their persons, concealed at all times, or secured in a locked, privately-owned or leased motor vehicle. A license holder may not carry a handgun that is partially or wholly visible on the campus of Lamar State College Orange. Students who expose or otherwise reveal the presence of a concealed handgun are subject to disciplinary action up to and including suspension or expulsion. Members of the faculty and staff who expose or otherwise reveal the presence of a concealed handgun are subject to disciplinary action up to and including termination of employment. Any individual who fails to meet the responsibilities required of a concealed handgun license holder may be reported to state authorities and may be subject to penalties that result in the revocation of their license. Concealed Handgun License holders are not required to disclose their status to anyone other than a law enforcement officer. Lamar State College Orange employees may not, under any circumstances, require faculty, staff, students, or visitors to disclose their concealed handgun status.

### **Prohibited Concealed Carry Locations**

- Any premise where a high school interscholastic event is taking place.
- Any premise where a governmental meeting is taking place.
- Any premise where a formal hearing such as student disciplinary hearing, student grade appeal hearing, or employee disciplinary hearing is being held.
- Any and all Prohibited Concealed Carry Locations must be clearly identified and the campus community must be given advance notice of when and where the restrictions will be imposed. Written notices must include the following language:

*Pursuant to Section 30.06, Penal Code (trespass by license holder with a concealed handgun), a*

*person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a concealed handgun.*

- Any signage designating a Prohibited Concealed Carry Location must meet these minimum requirements: include the above italicized language in both English and Spanish; use contrasting colors with block lettering at least one inch in height; and be displayed in a conspicuous manner clearly visible to the public.

### **Review**

- The president will appoint a Concealed Carry Committee that will in each even numbered year review the policy and its effectiveness. The committee may recommend changes to the Prohibited Conceal Carry Locations and address any other concerns of the campus community.
- Any changes to this policy shall be submitted to the TSUS Board of Regents for approval in accord with the timeline provided in Section 411.2031 of the *Texas Government Code*.
- The president shall submit a report to the Texas Legislature by September 1<sup>st</sup> of each even numbered year describing Lamar State College Orange's policies, rules, regulations, and/or provision relating to the carrying of concealed handguns on campus. The Texas State University System Chancellor and the Board of Regents shall each be provided copies of the report.

### **Free Speech and Assembly**

The LSCO Free Speech and Assembly policies can be found in the [\*Student Handbook, Student Services and Activities/Policies and Procedures, Speech and Assembly.\*](#)

<https://www.lSCO.edu/stuhandbook/LSCO%20Student%20Handbook%20-%202021.pdf>

# Admission Requirements

Admission Requirements  
Educational Records and Students' Rights



## Admission Requirements

Lamar State College Orange welcomes any student interested in education and personal improvement. As a two-year, lower-division component of the Texas State University System, the Lamar State College Orange campus offers educational opportunity to all citizens through an open-door policy that admits all students who can benefit from post-secondary education. Lamar State College Orange believes that each individual student is important and welcomes students with diverse backgrounds and needs.

### First Time Students

Students enrolling in college for the first time who fit one of the following categories may apply for admission:

- Graduates with a diploma from an accredited high school or home school program.
- Those who have earned a Texas Certificate of High School Equivalency.
- Those who are under 18, who do not have a diploma Certificate of High School Equivalency, and who are still in high school may be admitted upon the written recommendation of the high school principal or counselor, and consent from parent/guardian.

Admission to the institution does not guarantee admission to a particular degree or certificate program. Special requirements for various programs of study are described in subsequent sections of the catalog.

Beginning freshmen must submit an application for admission (this can be completed online at [www.ApplyTexas.org](http://www.ApplyTexas.org) two-year application), official high school transcript(s) and/or Texas Certificate of High School Equivalency and driver's license.

All students must comply with requirements relating to the Texas Success Initiative (TSI) and must submit appropriate scores for placement purposes.

EDUC 1300 Learning Frameworks is required for all first-time freshman students. A first-time student is one who has not earned any college credit since graduating from high school or completing the GED or Texas Certificate of High School Equivalency.

New students and returning students, with an enrollment lapse of one semester, who are under the age of 22 will not be permitted to register for classes without verification of proof of receiving the Bacterial Meningitis Immunization Vaccination. Please see *Bacterial Meningitis Vaccination Requirement* under the *Health Policies and Regulations* of this catalog.

### Student Identification Cards

Student Identification Cards can be obtained from the first floor of the Library, in the Ron E. Lewis Library Building.

### Transfer Students

Transfer applicants are considered for admission on the basis of their previous college records. Applicants must submit an application for admission (this can be completed online at [www.ApplyTexas.org](http://www.ApplyTexas.org) two-year application) and official transcripts sent directly from all colleges previously attended or in a sealed envelope from issuing institution. Transfer applicants must be in good standing with all institutions previously attended. Students on scholastic suspension or probation must meet with an Academic Advisor. Students on disciplinary suspension from another institution must petition the Dean of Student Services for individual approval. Contact the Office of Admission and Records for further information.

Students transferring from a Texas public college or university are subject to the same testing requirements that apply to current students. Therefore, transfer students from Texas public colleges and universities must comply with requirements relating to the Texas Success Initiative.



## Former Students

Former LSCO students who have not registered, or who have a break in enrollment of one fall or spring term must file for readmission by submitting an application for admission. This can be completed online at [www.ApplyTexas.org](http://www.ApplyTexas.org), two-year application. Former students who have attended another college are required to submit a complete official transcript of all work done subsequent to the last date of attendance at LSCO. Students with unsettled financial debts to any TSUS component or incomplete records will not be allowed to register until such problems are resolved.

## Proof of Residency

The Office of Admission and Records is responsible for determining residence status of students for the purpose of tuition as set forth by the *Texas Education Code, Rules and Regulations for Determining Status of the Texas Higher Education Coordinating Board* and college regulations. Students classified as Texas residents are required to provide documentation showing the applicant's name (or parent's name if residency is based on parent) with a Texas residence and dated one year prior to registration, such as the following:

- Texas high school transcript for full senior year immediately preceding the census date;
- Unexpired Texas driver's license or Texas ID card with an issue date of more than 12 months preceding the census date for the term enrolling;
- Two consecutive Texas voter registration cards with the most current not expired;
- Pay stubs for the 12 months preceding the census date;
- Bank statements reflecting a Texas address for 12 months preceding the census date;
- Utility bills for the 12 months preceding the census date;
- Registration or verification from licenser showing Texas address for licensee;
- Ownership of real property with copies of utility bills for the 12 months preceding the census date;
- A current credit report that documents the length and place of residence of the person or dependent's parent.

## International Students

Students from other countries holding visas other than permanent resident visas are considered international students. Applicants to Lamar State College Orange may be accepted for admission and have a Form I-20 issued when all requirements have been met. These requirements include:

- Application for admission;
- International Student Application and application fee;
- Official secondary school record and official college transcript (translated and evaluated), if applicable;
- Evidence of sufficient financial support for the academic year in the form of an I-34 affidavit of support, an Immigration and Naturalization Service's document;
- Proof of adequate health insurance; and
- Provide proof of English Language Proficiency. International students must provide proof of English language proficiency through scores on the TOEFL or IELTS. This testing requirement is waived only for applicants who have completed at least two consecutive years of study at a college or university in the U.S. or in an English proficiency-exempt country. Scores are valid for two years and must be received directly from the testing agency.

Undergraduate (Freshman & Transfer) English Proficiency Requirements:

TOEFL Internet Based Total	61
TOEFL Computer Based Total	173
TOEFL Paper Based Total	500
IELTS Total	5.0

Transfer students who are out of status must file reinstatement for F-1 status with the Immigration and Naturalization Services before they will be allowed to enroll. Students denied reinstatement will be administratively withdrawn from classes and will be subject to the refund policy in effect at the time of withdrawal.

In fulfillment of immigration regulations, a student must enroll in a full-time course of study which will lead to the attainment of specific educational objectives. A full-time course load is defined as a minimum of 12 semester hours.

### **High School Student Dual Credit Enrollment**

Lamar State College Orange has a dual credit program allowing qualified high school students to enroll in college courses and earn credit for the courses simultaneously at the high school and college level. Written recommendation from the high school principal or counselor and consent from parent/guardian must be on file prior to enrollment.

### **High School Concurrent Enrollment**

Lamar State College Orange allows qualified high school students to enroll in college courses. Students attend high school and enroll in a course at the College; however, credit is received at the College level only. Written recommendation from the high school principal or counselor and consent from parent/guardian must be on file prior to enrollment.

### **Graduates of Non-Accredited High Schools**

Applicants who have not graduated from accredited high schools may be admitted if they (1) have graduated in the upper two-thirds of their classes, (2) score 700 or above on the Scholastic Aptitude Test, or (3) have the recommended high school preparation credits.

### **Selected Admission - Health Sciences Programs**

Admission to Lamar State College Orange does not guarantee entrance to a specific health sciences program. The number of students admitted to each of these programs is limited. Students admitted to selected admissions programs are admitted on the basis of college reading levels, math abilities, prior educational achievements, and other specific criteria. Application for program admission should be made directly with the program director within published deadlines. Programs that require separate applications include the associate of applied science degrees in upward mobility nursing and the certificates in vocational nursing, dental assisting, pharmacy technology, and emergency medical services.

### **False Information**

A student who provides false information or makes false statements to any college official or on an official form submitted to the College is subject to immediate dismissal.

### **How to Apply for Admission**

The following procedures should be followed in making application for admission. All credentials should be submitted to the Office of Admission and Records, Lamar State College Orange, 410 Front Street, Orange, Texas 77630, Phone # (409) 882-3923, Fax # (409) 882-5096, or [admissions@lsco.edu](mailto:admissions@lsco.edu)

Students must:

- submit application for admission online at [www.ApplyTexas.org](http://www.ApplyTexas.org) (inclusion of a social security number is encouraged);
- submit official transcripts from each high school and/or official college transcripts from all colleges previously attended, sent directly from issuing institutions or in a sealed envelope from issuing institution (this requirement applies, regardless of the length of time in attendance and regardless of whether credit was earned or is desired);
- submit current driver's license; and

- submit visa or green card, if applicable.

All materials required for admission to Lamar State College Orange should be on file in the Office of Admission and Records prior to registration. A new applicant whose file is incomplete at the time of registration will be allowed to enroll on conditional status pending completion of the admission file. Students should take the prescribed placement tests and/or have records of test scores sent to the Office of Admission and Records.

**NO STUDENT will be permitted to re-enroll until admission requirements have been met.**

### **When to Apply for Admission**

Application should be made well in advance, two or three months before the proposed enrollment date. Students are encouraged to submit applications as early as possible in order to facilitate the early advisement process.

The application form should be submitted before transcripts are sent. Official transcripts should normally be sent from the issuing institution after all work to be transferred is completed. Temporary admission will be granted if the time interval is limited between the end of a semester elsewhere and the beginning of the subsequent semester at Lamar State College Orange. In this event an unofficial transcript and/or copy of the last grade report will be required. All credentials must be on file within four weeks after the first class or the student may be withdrawn. Students on temporary admission who are subsequently found to be ineligible for admission will be withdrawn.

In some cases, questions regarding transfer need to be clarified while work is still in progress at another institution. Under these circumstances the partial transcript should be submitted and a complete official transcript furnished by the end of the semester.

### **Academic Records and Transcripts**

Academic records are in the permanent custody of the Office of Admission and Records. Transcripts of academic records may be secured by individuals or will be released on the students' written authorizations. *Chapter 675, Acts of the 61st Legislature, 1969 Regular Session*, provides that "no person may buy, sell, create, duplicate, alter, give or obtain a diploma, certificate, academic record, certificate of enrollment or other instrument which purports to signify merit or achievement conferred by an institution of education in this state with the intent to use fraudulently such document or to allow the fraudulent use of such document."

A person who violates this act or who aids another in violating this act is guilty of a misdemeanor that upon conviction, is punishable by a fine of not more than \$1,000 and/or confinement in the county jail for a period not to exceed one year.

Students who owe debts to the College will have their official transcripts withheld until the debts are paid.

## **Educational Records and Students' Rights**

The following information concerning student records maintained by Lamar State College Orange is published in compliance with the *Family Education Rights and Privacy Act of 1974, PL 93-380*.

Access to educational records directly related to a student will be granted to him or her unless the type of record is exempted from the provision of the law.

The types, locations, and names of custodians of educational records maintained by the College are available from the Office of Admission and Records.

Access to records by persons other than the student will be limited to those persons and agencies specified in the statute. Records will be maintained of persons granted such access and the legitimate interest in each case.

The release of information to the public without the consent of the student will be limited to the categories of information that have been designated by the College as directory information and that will be routinely released. The student may request that any or all of this information be withheld from the public by making a written request to the Office of Admission and Records. The request must be made by the last official day to register for a given session and applies to that session only. Directory information includes name, address (current/last known), year of birth, telephone number, email address (personal and campus), major/field of study, enrollment status, dates of attendance, degrees, diplomas and certifications (including dates earned), honors and awards (including dates), and classification.

A student has the right to challenge records and information directly related to him or her if they are considered to be inaccurate, misleading or otherwise inappropriate. Issues may be resolved either through an informal hearing with the official immediately responsible or by requesting a formal hearing. A description of the procedure to be followed in a formal hearing is available in the Office of Admission and Records.

The right of parental access to student records may be established by either of two methods: first, by the student filing a written consent statement; or second, by the parent validating the student's dependency as defined by the IRS.

# Tuition and Fees

Description of Fees

Refunds

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Types of Aid

## Description of Fees

### Payment of Fees

Lamar State College Orange reserves the right to change fees in accordance with acts of the Texas Legislature and the College's Board of Regents. By registering for classes at the College, each student agrees to abide by all policies of the College. Please visit <http://www.lSCO.edu/tuitionfees/tuitionfees.asp> for the most current Summary of Fees.

A student is not registered until either (1) all fees are paid in full or (2) the required down payment has been paid on the installment plan. Payments made by check, money order, cashier's check or traveler's check should be made payable to Lamar State College Orange and will be accepted subject to clearing the financial institution on which they are drawn. Debit/credit cards and currency are also accepted. The College will not accept counter checks, postdated checks, credit card checks or altered checks. Excess payments will be refunded by direct deposit.

### Installment Program

A student is not automatically placed on installments. A student will only be placed on the installment plan if they have paid 50 percent of the total tuition and fees, plus the \$20 nonrefundable installment fee. To receive the installment plan, contact the cashier at (409)882-3371 or view the student account online and apply for an installment plan by logging into Student Services via [www.lSCO.edu](http://www.lSCO.edu). Two subsequent payments of 25 percent each are required at a later date. A late fee of \$15 will be charged after 5 PM on the installment due date for each delinquent installment payment.

### Short-Term Loans

Lamar State College Orange provides short-term emergency loans to help students cover the 50 percent down payment of the installment plan. Short-term emergency loans are good for 60 days and are available to students 10 days prior to the first-class day. Short-term emergency loans must be repaid within the semester in which the loan is made. Students withdrawing from the College remain responsible for the repayment of the short-term emergency loan. Students interested in acquiring short-term emergency loan should visit the Cashier's Office for information and application forms. Alternatively, students can contact the cashier by telephone at (409) 882-3371 or by email at [bursars@lSCO.edu](mailto:bursars@lSCO.edu) to complete the application online. The form will be sent electronically to the student for signature. A \$20 service fee is required. Late fees for unpaid short-term emergency loans will be charged.

### Testing Fees

LSCO offers a variety of tests for career development, placement, entrance exams, etc. Prices vary based on the exam.

### Matriculation Fee

A matriculation fee of \$15 will be incurred by students who withdraw prior to the first day of class. This \$15 fee will be deducted from the refund.

### Reinstatement Fee

A student seeking reinstatement within the same semester after having withdrawn or having been withdrawn shall pay a \$50 reinstatement fee in addition to late payment fees. Students on installment plans must also pay all past due balances at the time of reinstatement.

### Waiving Off-Campus Fees

Students enrolled exclusively in classes that are held off campus may request a waiver of the Student Center fee. Forms are available in the Office of Admission and Records.

## **Waiving Tuition for Senior Citizens**

Senior citizens, 65 years of age or older, may take courses (up to six credit-hours per semester) on a space-available basis without the payment of tuition, **but will be responsible for all applicable fees.** Senior Citizen Tuition Exemption forms are available from the Office of Admission and Records. If credit is not desired, a petition for 'no grade' must be completed and submitted to the Office of Admission and Records by the census date of the term enrolling.

# Refunds

## Withdrawal Refunds

Withdrawal from the College prior to the first class day results in a 100 percent refund of tuition, student services fee, laboratory fee, designated tuition, Student Center fee, and private lessons fee, but not the \$15 matriculation fee. The student I.D. must be surrendered to receive a refund of the student services fee. The amount of refund decreases beginning on the first class day. For refund purposes the effective drop date is the date the withdrawal petition is received in the Office of Admission and Records with all appropriate signatures.

If LSCO campus closes for a national or state disaster, there will be a continuity of operations in place. Therefore, during such crises, LSCO's refund policy will stand and students will not become eligible for refunds strictly due to a national or state disaster. Refunds are calculated according to the following schedules:

### Fall, Spring Semesters, 10 and 12-Week Sessions and Summer Extended Session

- prior to the first class day, 100 percent, less matriculation fee
- during the first five class days of the semester, 80 percent
- during the second five class days of the semester, 70 percent
- during the third five class days of the semester, 50 percent
- during the fourth five class days of the semester, 25 percent
- after the fourth week of the semester, no refund

### Mini-Sessions

- prior to the first class day, 100 percent, less matriculation fee
- during the first class day, 80 percent, less matriculation fee
- during the second class day, 50 percent, less matriculation fee
- after the second class day, no refund

### Summer Sessions I and II and Fall, Spring 8-Week Session

- prior to the first class day, 100 percent, less matriculation fee
- during the first, second or third class days, 80 percent
- during the fourth, fifth or sixth class days, 50 percent
- after the sixth class day, no refund

## Dropped Course Refunds

Students who drop courses during the *drop with refund period* and remain enrolled at Lamar State College Orange will receive a refund of tuition and fees for the dropped class. For refund purposes, the effective drop date is the date the drop form is received in the Office of Admission and Records with all appropriate signatures. Students may also drop a course by emailing their instructor; instructor approval is required and should be emailed to [Admission.Records@lsc.edu](mailto:Admission.Records@lsc.edu) for processing. Refunds are based on the following:

### Fall, Spring Semesters 16-week Session

- Through the 12<sup>th</sup> class day, 100 percent
- After the 12<sup>th</sup> class day, no refund

### Fall, Spring 8-week Session

- Through the 6<sup>th</sup> class day, 100 percent
- After the 6<sup>th</sup> class day, no refund

### Fall, Spring 12-Week Session



- Through the 9<sup>th</sup> class day, 100 percent
- After the 9<sup>th</sup> class day, no refund

**Summer Extended 10-Week Session**

- Through the 12<sup>th</sup> class day, 100 percent
- After the 12<sup>th</sup> class day, no refund

**Summer I and Summer II**

- Through the 4<sup>th</sup> class day, 100 percent
- After the 4<sup>th</sup> class day, no refund

Refunds are sent as a direct deposit to the student's bank account as specified by the student. The student is responsible for completing and submitting all necessary documentation with the Cashier's Office on the 3<sup>rd</sup> floor of the Ron Lewis Library. A direct deposit authorization form must be completed, proof of information must be provided, and the student must show their photo id at the time of submission. Direct deposit forms are only accepted in person at the Cashier Office or via fax. No online submissions are allowed.

**Financial Obligations**

Dropping courses or withdrawing from the College does not relieve the student of any financial obligations under the installment payment agreement or for student loans. Students withdrawing from the College are required to surrender their student identification cards and parking permits. Student services fees will not be refunded unless the student I.D. card is returned to the College. Withdrawal from the College precludes the student from receiving a refund for dropped courses.

**Refunds - Students Receiving Financial Aid**

Lamar State College Orange adheres to the *Return of Title IV Funds* policy as proposed in the 1998 amendments to the *Higher Education Act*. Under this policy students who have received Title IV funds (PELL, SEOG, LEAP) who withdraw on or before 60 percent of the semester has been completed may owe repayments of portions of their grants. This repayment will be based on a federal formula which takes into account how much of the semester the student has completed. Students who withdraw will be notified of the amount of repayment they owe within 30 days of the day they withdraw. In addition, the Department of Education will be notified at that time that the student owes a repayment of Title IV funds. Students will not be eligible to receive future Title IV funds until they have repaid these funds or made satisfactory repayment plans with the Department of Education. Students also may owe repayments to the school if the amount from the school refund policy is not enough to cover the school's portion of the Department of Education's repayment policy.

Refunds for students who receive aid other than Title IV funds will be based on a "fixed priority allocation." The full amount received under each program is returned in priority order until the refund amount is exhausted. The amount returned to a specific program cannot exceed the amount the student received from that program. The following listing indicates the priority in which programs will be refunded:

**Non-Title IV Refund Priority: Installments; Emergency Tuition Loan (TPEG Loan); Sponsored Students Source; TPEG; Departmental Budgeted Funds; Restricted Scholarship Funds; Student.**

**Refunds - Students on Installment Plans**

Refunds are calculated as a percentage of total fees assessed, not as a percentage of partial payments on installments. Questions regarding refunds should be directed to the cashier in the Business Office.

## Returned Check Fee

Checks written in payment to the College and returned because of insufficient funds (NSF) are considered delinquent payments. An NSF check fee of \$25 plus any applicable late fees are charged for each NSF check. Students who write NSF checks are on "cash only" status for the duration of their enrollment. They will be restricted to paying by credit card, money order, cashier's check, traveler's check or currency.

## Delinquent Payments

All unpaid, delinquent accounts are released to a collection agency and credit bureaus. All costs of collections are payable by the student and may total as much as 33.33% of the student's outstanding obligations to Lamar State College Orange. Delinquent account balances must be paid to the collection agency. Payment cannot be accepted by Lamar State College Orange if the account has been forwarded to a collection agency. A student who fails to make payment in full prior to the end of the semester may be denied credit for the work done that semester and cannot receive a transcript or a diploma until full payment is received. A student who fails to make full payment of tuition and fees, including any incidental fees, by the due date may be prohibited from registering for classes until full payment is made.

## Resident Classification

Students are responsible for registering under their legal residence student classification. Questions regarding residency must be answered by the Registrar no later than the time of registration. Students failing to comply with the residence provisions of the state tuition bill (*Art. 2645c, V.C.S. as amended 1957*) are subject to penalties and/or appropriate disciplinary action as set forth in the law.

## Tuition Rebates - Baccalaureate Degrees

The state of Texas has authorized a tuition rebate program under *Section 54.0065 of the Texas Education Code* not to exceed a total of \$1,000. The rebate is paid to eligible students after receiving baccalaureate degrees from Texas public colleges within 4 years. The purpose of the program is to provide "incentive for students to prepare for college studies while completing their high school work, avail themselves of academic counseling, make early decisions, and complete their baccalaureate studies with as few extraneous courses as possible." See the *Texas Comptroller of Public Accounts* for more information on tuition rebates upon initial enrollment.

## Tuition Charges for Extra Credit Hours

Students initially enrolling in Texas institutions of higher education in the 1999 fall semester or in subsequent terms are subject to *Chapter 13, Subchapter G, Section 13.115* (THECB, Texas Register). A student who has accumulated 70 or more semester hours at a community college, technical college and/or Lamar State College Orange is subject to notification about the limit of credit hours (120) received at the in-state tuition rate. Students who exceed the limit (120 credit hours) are subject to higher tuition rates, not to exceed the rates charged to non-resident undergraduate students.

Credit hours exempt from the cap include hours earned by the student before receiving a baccalaureate degree that have been previously awarded to the student; hours earned through examination; hours from developmental courses, technical courses and workforce education courses; hours earned at a private institution or an out-of-state institution; and any hours not eligible for state formula funding.

## Summary of Fees

Fee summary for Fall 2021 are presented on the following pages. Please visit [www.lSCO.edu/tuitionfees/tuitionfees.asp](http://www.lSCO.edu/tuitionfees/tuitionfees.asp) for the most current tuition and fees.

Note that "total charge" does not include the following fees:

Lab Fees	\$15	
Nursing Labs	\$30	
Applied Music	\$18	
Internet/Hybrid Fee	\$50	Per Course
Late Registration Fee	\$10	
Reinstatement Fee	\$50	
Returned Checks	\$25	
Installment Late Penalty	\$15	
Short-term Loan Late Penalty	\$50	
Credit by Exam	\$25	

The cost to transcript credit by examination is \$25 per semester hour.

	Texas/Louisiana*	Non-Texas/Louisiana**
E & G Tuition	\$50/SCH	\$508/SCH
Designated Tuition	\$45/SCH	\$45/SCH
Student Services	\$5/SCH	\$5/SCH
Student Center Fee	\$2/SCH	\$2/SCH
Institutional Service Fee	\$31/SCH	\$31/SCH
Gator Book Pack Fee	\$25/SCH	\$25/SCH

\*U.S. citizens who are legal residents of Texas/Louisiana. Louisiana residents MUST qualify for Texas tuition rates through the Office of Admission and Records.

\*\*U.S. citizens who are not legal residents of Texas/Louisiana. Foreign students should contact the Business Office for information regarding applicable rates.

<b>SUMMARY OF FEES – Summer 2021 TEXAS/LOUISIANA RESIDENTS</b>					
No. of Semester Hours	Tuition	Student Services Fee	Student Center Fee	Institutional Service Fee	Total*
1	\$95	\$5	\$2	\$31	\$133
2	\$190	\$10	\$4	\$62	\$266
3	\$285	\$15	\$6	\$93	\$399
4	\$380	\$20	\$8	\$124	\$532
5	\$475	\$25	\$10	\$155	\$665
6	\$570	\$30	\$12	\$186	\$798
7	\$665	\$35	\$14	\$217	\$931
8	\$760	\$40	\$16	\$248	\$1,064
9	\$855	\$45	\$18	\$279	\$1,197
10	\$950	\$50	\$20	\$310	\$1,330
11	\$1,045	\$55	\$22	\$341	\$1,463
12	\$1,140	\$60	\$24	\$372	\$1,596
13	\$1,235	\$65	\$26	\$403	\$1,729
14	\$1,330	\$70	\$28	\$434	\$1,862
15	\$1,425	\$75	\$30	\$465	\$1,995
16	\$1,520	\$80	\$32	\$496	\$2,128
17	\$1,615	\$85	\$34	\$527	\$2,261
18	\$1,710	\$90	\$36	\$558	\$2,394
19	\$1,805	\$95	\$38	\$589	\$2,527
20	\$1,900	\$100	\$40	\$620	\$2,660

- Louisiana students must qualify to pay Texas tuition rates by applying in the Office of Admission and Records prior to registration.
- Tuition and Fees are subject to change without notice by the action of the Board of Regents or the Texas State Legislature. Please visit [www.lSCO.edu/tuitionfees/tuitionfees.asp](http://www.lSCO.edu/tuitionfees/tuitionfees.asp) for the most current Tuition and Fees.
- \*Total does not include all applicable fees.

<b>SUMMARY OF FEES – Summer 2021 NON-TEXAS RESIDENTS</b>					
No. of Semester Hours	Tuition	Student Services Fee	Student Center Fee	Institutional Service Fee	Total*
1	\$517	\$5	\$2	\$31	\$555
2	\$1,034	\$10	\$4	\$62	\$1,110
3	\$1,551	\$15	\$6	\$93	\$1,665
4	\$2,068	\$20	\$8	\$124	\$2,220
5	\$2,585	\$25	\$10	\$155	\$2,775
6	\$3,102	\$30	\$12	\$186	\$3,330
7	\$3,619	\$35	\$14	\$217	\$3,885
8	\$4,136	\$40	\$16	\$248	\$4,440
9	\$4,653	\$45	\$18	\$279	\$4,995
10	\$5,170	\$50	\$20	\$310	\$5,550
11	\$5,687	\$55	\$22	\$341	\$6,105
12	\$6,204	\$60	\$24	\$372	\$6,660
13	\$6,721	\$65	\$26	\$403	\$7,215
14	\$7,238	\$70	\$28	\$434	\$7,770
15	\$7,755	\$75	\$30	\$465	\$8,325
16	\$8,272	\$80	\$32	\$496	\$8,880
17	\$8,789	\$85	\$34	\$527	\$9,435
18	\$9,306	\$90	\$36	\$558	\$9,990
19	\$9,823	\$95	\$38	\$589	\$10,545
20	\$10,340	\$100	\$40	\$620	\$11,100

- Please visit [www.lSCO.edu/tuitionfees/tuitionfees.asp](http://www.lSCO.edu/tuitionfees/tuitionfees.asp) for the most current Tuition and Fees.
- Tuition and Fees are subject to change without notice by the action of the Board of Regents or the Texas State Legislature
- \*Student ID Fee is charged only ONCE per academic year.
- \*Total does not include all applicable fees.

<b>SUMMARY OF FEES – Fall 2021 TEXAS/LOUISIANA RESIDENTS</b>					
No. of Semester Hours	Tuition	Student Services Fee	Student Center Fee	Institutional Service Fee	Total*
1	\$95	\$5	\$2	\$31	\$133
2	\$190	\$10	\$4	\$62	\$266
3	\$285	\$15	\$6	\$93	\$399
4	\$380	\$20	\$8	\$124	\$532
5	\$475	\$25	\$10	\$155	\$665
6	\$570	\$30	\$12	\$186	\$798
7	\$665	\$35	\$14	\$217	\$931
8	\$760	\$40	\$16	\$248	\$1,064
9	\$855	\$45	\$18	\$279	\$1,197
10	\$950	\$50	\$20	\$310	\$1,330
11	\$1,045	\$55	\$22	\$341	\$1,463
12	\$1,140	\$60	\$24	\$372	\$1,596
13	\$1,235	\$65	\$26	\$403	\$1,729
14	\$1,330	\$70	\$28	\$434	\$1,862
15	\$1,425	\$75	\$30	\$465	\$1,995
16	\$1,520	\$80	\$32	\$496	\$2,128
17	\$1,615	\$85	\$34	\$527	\$2,261
18	\$1,710	\$90	\$36	\$558	\$2,394
19	\$1,805	\$95	\$38	\$589	\$2,527
20	\$1,900	\$100	\$40	\$620	\$2,660

- Louisiana students must qualify to pay Texas tuition rates by applying in the Office of Admission and Records prior to registration.
- Tuition and Fees are subject to change without notice by the action of the Board of Regents or the Texas State Legislature. Please visit [www.lSCO.edu/tuitionfees/tuitionfees.asp](http://www.lSCO.edu/tuitionfees/tuitionfees.asp) for the most current Tuition and Fees.
- \*Total does not include all applicable fees.

<b>SUMMARY OF FEES – Fall 2021 NON-TEXAS RESIDENTS</b>					
No. of Semester Hours	Tuition	Student Services Fee	Student Center Fee	Institutional Service Fee	Total*
1	\$553	\$5	\$2	\$31	\$591
2	\$1,106	\$10	\$4	\$62	\$1,182
3	\$1,659	\$15	\$6	\$93	\$1,773
4	\$2,212	\$20	\$8	\$124	\$2,364
5	\$2,765	\$25	\$10	\$155	\$2,955
6	\$3,318	\$30	\$12	\$186	\$3,546
7	\$3,871	\$35	\$14	\$217	\$4,137
8	\$4,424	\$40	\$16	\$248	\$4,728
9	\$4,977	\$45	\$18	\$279	\$5,319
10	\$5,530	\$50	\$20	\$310	\$5,910
11	\$6,083	\$55	\$22	\$341	\$6,501
12	\$6,636	\$60	\$24	\$372	\$7,092
13	\$7,189	\$65	\$26	\$403	\$7,683
14	\$7,742	\$70	\$28	\$434	\$8,274
15	\$8,295	\$75	\$30	\$465	\$8,865
16	\$8,848	\$80	\$32	\$496	\$9,456
17	\$9,401	\$85	\$34	\$527	\$10,047
18	\$9,954	\$90	\$36	\$558	\$10,638
19	\$10,507	\$95	\$38	\$589	\$11,229
20	\$11,060	\$100	\$40	\$620	\$11,820

- Please visit [www.lsc.edu/tuitionfees/tuitionfees.asp](http://www.lsc.edu/tuitionfees/tuitionfees.asp) for the most current Tuition and Fees.
- Tuition and Fees are subject to change without notice by the action of the Board of Regents or the Texas State Legislature
- \*Student ID Fee is charged only ONCE per academic year.
- \*Total does not include all applicable fees.

## Financial Aid and Awards

Financial assistance in the form of scholarships, grants, loans, and employment is available to a number of qualified students. Information regarding programs and eligibility criteria can be obtained from the Office of Financial Aid, 410 Front Street, Orange, Texas 77630, at (409) 882-3317.

### When to Apply for Financial Aid and Awards

Applications should be completed by April 1 for the following academic year. Award notifications are emailed in late spring and early summer, as well as being posted in students' account in the Student Services area. The College will continue to award student aid as long as funds are available. The most desirable types of aid are normally expended early; therefore, students should make every effort to meet the April 1 priority date.

### How to Apply for Financial Aid and Awards

Students wishing to apply for grants and/or work-study employment must complete the Free Application for Federal Student Aid (FAFSA). Students may complete the FAFSA online at [www.fafsa.gov](http://www.fafsa.gov). After the application is submitted, the student will receive a *Student Aid Report* (SAR) from the Department of Education. The Student Aid Report contains the Estimated Family Contribution (EFC) that is used in determining the student's eligibility to receive financial aid. The type and amount of assistance will be determined by the Office of Financial Aid based on several factors.

Students wishing to be considered for scholarships should request the scholarship application. Students should be aware that scholarship funds are limited and that recipients normally must have grade point averages above 2.5 to be considered.

### Satisfactory Academic Progress

In order to be eligible to receive Federal or State financial aid, students must meet the standards for Satisfactory Academic Progress.

The financial aid office will review SAP, each semester, after the student applies for financial aid. New students, transfers and returning students in good standing will be awarded for the semester they are enrolled. Students must maintain a 2.00 GPA to remain eligible to receive financial aid, and a completion percentage (earned hours/attempted hours) of at least 70% to remain eligible to receive aid. Courses attempted include all courses for which a student is registered. In order for a course to be considered complete, the student must receive a grade of A, B, C, D or S. Grades of W, Q, F, U, NG or I will not be considered as complete for SAP purposes. Grade changes due to the grade replacement policy, completing coursework towards an incomplete, or an instructor-initiated change will not be considered until the official change is made in the records office.

A student may receive financial aid for no more than 150% of the published length of their declared degree program. For example, if the stated number of hours for a degree program is 64 hours, the student may receive aid for no more than 96 hours ( $64 \times 1.5 = 96$ ). Included in this total will be all college coursework attempted at all schools attended.

A student enrolled in a regular program may receive financial aid for no more than 30 semester hours of remedial coursework. Remedial courses will be considered when calculating a student's completion rate and will count towards their total number of hours for SAP.

Summer and mini-session coursework will be included in all completion rate and GPA calculations. Students denied aid may appeal in writing to the financial aid office. This appeal should explain any mitigating circumstances, which have caused the student's failure to make academic progress. The Coordinator of Financial Aid will review appeals. Relevant documentation necessary to verify or support



the appeal (e.g. death in immediate family, extended personal illness, recent divorce, etc.) should be submitted with the appeal letter. Students shall be notified of their appeal decisions through their student services account within two (2) weeks of the appeal letter being received in the financial aid office. Students denied their appeal may then make an additional appeal to the Director of Financial Aid. (**NOTE:** If a student's appeal is denied, new information and documentation is required at each level of appeal to enhance the chances for granting subsequent appeals.) If appeal is denied by the Director, students may then appeal to the Dean of Student Services. The decision of the Dean is final. Ten (10) working days should be allowed at each level of appeal. Students will be notified of all appeal decisions through their student services account. A student not meeting SAP, but who has their appeal accepted, will be placed on probation or be placed on a Satisfactory Academic Plan. They will receive notification by status updates on their student services account. Under the terms of probation, the student must complete 75% of all attempted coursework for that semester, and attain a GPA of 2.0 for the semester. Their status will be reevaluated at the end of the semester, which is when they are placed on probation. They will be notified of their new status on their student services account at the end of that semester.

A student not meeting SAP, and who will not be able to attain that status after one semester will be denied financial aid. This status will remain in effect until the student is granted an appeal or completes coursework, which brings them in compliance with all standards for academic progress.

## Types of Aid

### Grants

The Federal Pell Grant is the foundation for all other need-based programs. Students are considered for other financial aid awards after their eligibility for the Federal Pell Grant has been determined. Students must adhere to the satisfactory academic progress policy along with meeting the need-based eligibility requirement to receive financial aid. The requirements of the satisfactory academic progress policy are available in the Office of Financial Aid.

The final amount of the Federal Pell Grant is determined at the time of Leverage Educational Assistance Partnership Program enrollment.

In addition to the Federal Pell Grant Program, Lamar State College Orange participates in the following need-based grant programs:

<b>Federal SEOG</b>	Federal Supplemental Education Opportunity Grant
<b>TPEG</b>	Texas Public Education Grant
<b>STS</b>	State Tuition Scholarship
<b>SDS</b>	Student Deposit Scholarship
<b>CWS</b>	College Work Study
<b>TEOG</b>	Texas Educational Opportunity Grant
<b>TEXAS</b>	Toward Excellence, Access, and Success

### Loans

Federal Direct Loans are available through the U.S. Department of Education. In order to apply for Direct Loans, the student must complete the FAFSA form. They must also complete an online entrance counseling session and a Master Promissory Note.

Direct Loans must be repaid. Direct Loans are either subsidized or unsubsidized. A subsidized loan is awarded on the basis of financial need. The federal government pays interest on loan (subsidizes the loan) until the student graduates, withdraws, or drops below half-time status. An unsubsidized loan is not awarded on the basis of need. Students will be charged interest from the time the loan is disbursed until it is paid in full.

## Scholarships

Scholarships are funds that cover portions of students' expenses. A limited number of Lamar State College Orange and endowed scholarships are available to students who qualify based on merit and/or need. The amounts and numbers of these awards will vary each year depending on available funding and student need.

Scholarships at Lamar State College Orange are of two types: those administered solely by the College, including the selection of recipients; and those administered by the College at the request of donors who select the recipients themselves. Scholarship application forms and information concerning other requirements and deadlines are available in the Office of Financial Aid and online at <http://www.lSCO.edu/scholarships/scholarships.asp>.

## General Scholarships

- **Better Business Bureau**—for full-time students, based on merit and need.
- **Chevron/Phillips Scholarship**—entering freshmen and/or non-traditional students from an Orange County high school with a 3.0 GPA, based on merit.
- **Del Papa Centennial Scholarship**—for students majoring in a business or marketing field.
- **Don & Claire Marshall Memorial Scholarship**—a student who has a physical disability.
- **Donald T. Boumans Memorial Scholarship**—this scholarship fund is established by the Donald T. Boumans Foundation to honor and perpetuate his memory, for students enrolled in process technology or business management.
- **Hulda and Carroll B. Shaddock, Jr., MD**—this scholarship fund is established by Mr. Bill Shaddock to honor and perpetuate the memory of his mother and father, for residents of Orange County.
- **Mary Schlesinger Endowed Scholarship**—entering freshmen or presently enrolled students with full-time status, based on merit.
- **Master Gardener Scholarship**—for all students, based on merit and need.
- **Orange Memorial Scholarship**—for Orange County students enrolled in a medical program such as nursing, dental assisting, or pharmacy technology and in good academic standing.
- **Sabine Federal Credit Union**—members of the DuPont Credit Union or members of their families, based on merit.
- **Service League Health Care Scholarship**—for students enrolled in allied health programs.
- **Tony Houseman Memorial Scholarship**—for students majoring in business or a related field.

## Lamar State College Orange Foundation Scholarships

The Lamar State College Orange Foundation provides scholarship assistance to students who meet the minimum eligibility requirements. In addition to the general scholarship fund, the foundation has endowed programs designed for specific purposes:

- **A.H. Montagne Memorial Scholarship**—Orangefield High School graduate, based on merit and need.
- **Betty Jo Spence Scholarship Fund**—for students seeking an associate degree in liberal arts, based on merit and need.
- **Cecil Beeson Endowment**—for Orange County students who are pursuing technical programs of study.
- **Claude W. Smith Endowment**—for Orange County students, based on need.
- **Martin Thomen Fund**—provides scholarship aid to students enrolled in allied health programs, based on need.
- **President's Scholarship**—for first-time entering freshmen, based on merit, recommended by

high schools.

- **Service League of Orange Scholarship**—for high school seniors selected by the Service League.
- **Womack Scholarship**—for all students, based on merit and need.

### **Stark Foundation Scholarships**

- **Nelda C. and H. J. Lutcher Stark Scholarship**—focuses on students majoring in industrial arts and similar business, economic-related studies, or education fields of study.
- **Nelda C. Stark Scholarship**—focuses on students majoring in allied health and similar medical, health, nursing, or science-related fields of study.

### **Short-Term Loans**

Lamar State College Orange provides short-term loans. Short-term loans for 60 days are designated to pay tuition and fees during registration and must be repaid within the semester in which the loan is made. Students withdrawing from the College remain responsible for the repayment of the short-term loan. Students interested in acquiring short-term loans should contact the Business Office/Cashiers Office for information and application forms.

### **Employment**

Employment opportunities under Federal Work-Study, State Work-Study and other employment programs of the College are available to Lamar State College Orange students as part of the financial assistance program. The College and local businesses and industries provide a number of part-time jobs that enable students to earn part or all of their expenses while attending the College. Students are able to apply for student assistant and work-study job programs on line at <https://jobs.lSCO.edu>.

### **Exemptions**

The state of Texas allows certain students to be exempt from paying all or a portion of tuition and fees. Students should contact the Office of Financial Aid if they meet any of the conditions listed:

- Residents of the state of Louisiana
- Highest ranking high school graduate
- Veterans who do not receive Post 9/11 or VA Voc Rehab veteran education benefits
- Students who graduate from high school in three years or fewer
- Children of fire/peace officers who were killed in the line of duty
- Fire fighters enrolling in classes related to fire fighting
- Peace officers enrolled in Law Enforcement or Criminal Justice courses
- Students who are blind and/or deaf
- Senior Citizen Tuition

For more information on these exemptions, visit [www.collegeforalltexas.com](http://www.collegeforalltexas.com).

### **Financial Assistance and Special Services for Disabled Students**

The Texas Workforce Solutions Vocational Rehabilitation Services offers assistance for tuition and non-refundable fees to students who have certain disabling conditions, provided their vocational objectives have been approved by a TWS-VRS counselor. Examples of such conditions are orthopedic deformities, emotional disorders, diabetes, epilepsy, heart conditions, etc. Other services are also available to assist handicapped students to become employable. Application for such services should be made at the Texas Workforce Solutions, Beaumont District Office, 5550 Eastex Freeway, Suite D, Beaumont, Texas 77708-5300, at (409) 924-7320 or (800) 242-8334.

The Advising and Counseling Office works closely with the Texas Workforce Solutions. Visually and hearing impaired students may be eligible for assistance, aid for the purchase of books, and assistance in

acquiring specialized equipment. For more information call the Texas Workforce Solutions Division of the Blind, 5550 Eastex Freeway, Suite D, Beaumont, Texas, 77708, at (409) 899-8490 or (800) 687-7013.

### **Veterans' Affairs Office**

A Veterans' Affairs Office is maintained in the Office of Financial Aid and assists veterans in obtaining their educational benefits. Possible VA benefits available for eligible veterans and their dependents include:

- Post 9/11 GI Bill, Chapter 33
- Montgomery GI Bill, Chapter 30
- Montgomery GI Bill- Selected Reserve Chapter, 1606
- Montgomery GI Bill- Reserve Educational Assistance Program, Chapter 1607
- Vocational Rehabilitation and Employment Vet Success Program, Chapter 31
- Survivors and Dependents Assistance, Chapter 35

For more information on any of these programs contact the financial aid office or visit [www.gibill.va.gov](http://www.gibill.va.gov).

### **Hazlewood Exemption for Texas Veterans**

The purpose of the Hazlewood Exemption is to provide an education benefit to honorable discharged or separated Texas veterans and to eligible dependent children and spouses of Texas veterans. For eligibility requirements and other information visit <https://www.tvc.texas.gov/education>.

### **Policy Regarding Referrals of Suspected Fraud or Criminal Misconduct**

In the event that an applicant is suspected of participating in fraud or other criminal misconduct in connection with application for *Title IV*, HEA program assistance, the information will be referred to the appropriate college, state and/or federal authorities. These authorities may include, but are not limited to, college discipline officer, college police, Orange Police, and the Office of the Inspector General of the U.S. Department of Education.

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# Student Services

Student Services  
Compact with Texans  
Admission and Records  
Advising and Counseling Center  
Ron E. Lewis Library  
Testing Center  
The Learning Center  
Activities and Organizations  
Conduct and Discipline

## Student Services

The Student Services Division provides services and programs to enhance the general education and development of students, enrich the quality of student life and support the teaching and service mission of the College.

The division consists of student activities, admission and records, advising and counseling, testing, financial aid, orientation, registration, recruitment, campus bookstore and student organizations.

### Student Handbook

Policies and procedures related to student life and to the rights and responsibilities that accompany student citizenship are found in the *Student Conduct Code*. This code and other important information pertaining to student life may be found in the *Student Handbook*. It is the student's responsibility to be knowledgeable of established college policies and procedures that are contained in the *Student Handbook* and to comply with them. Copies of the *Student Handbook* are available upon request in the office of the Dean of Student Services and may also be viewed at [www.lSCO.edu](http://www.lSCO.edu).

### Health Services and Student Insurance

Because Lamar State College Orange is a commuter school, the College does not employ a full-time health professional. The existence of a local ambulance service and the posting of emergency telephone numbers in each office provide adequate medical service for the staff and student body. Students are encouraged to contact their personal physicians or the County Health Clinic in case of illness. Any campus accident or serious illness must be reported to the Dean of Student Services.

All registered students enrolled in six or more credit hours (three or more during the summer) are eligible to purchase health insurance for an entire year or for one semester. Health and accident insurance is required of all international students and all participants in the intramural sports and Spring Day Program. Insurance information is available from the Dean of Student Services.

# Compact with Texans

## Agency Name

Lamar State College Orange

## Services Rendered

LSCO is a state supported, two-year institution of higher education offering students both an academic transfer curriculum and a variety of high-quality vocational, technical programs. Additionally, non-credit classes and training opportunities are provided for the continuing education of community members and the customized training needs of local business and industry.

## Service Principles

LSCO is committed to providing quality service to students who can expect:

- **reliability**-consistent quality performance, access to services, and timely and accurate completion of tasks.
- **credibility**-qualified faculty and staff, trustworthy administrators, prompt problem solving, and accurate printed materials.
- **environment**-conducive to learning—safe premises, appropriately dressed faculty and staff, and friendly and accurate information.
- **responsiveness**-helpful and accessible staff, quick service, prompt communication, and satisfactory student information.
- **concern**-expeditious and caring attention to student needs, empathetic faculty and staff, and reliable and credible problem solving.

## Service Goals and Objectives

LSCO is committed to maintaining an appropriate and current curriculum; maintaining excellence in instruction; providing personal and academic counseling for students; providing extracurricular opportunities conducive to lifelong personal development; providing a functional and aesthetically pleasing campus; and cooperating with individual and community groups to promote education, economic development and cultural opportunities.

## Standards for Maximum Wait Time

LSCO is committed to processing transcript requests within a 24-48 hour period; determining financial aid awards within three weeks of receiving a completed file; registering (enrolling) students for classes within 15-30 minutes of initial contact (unless the student registers themselves via Gator Self Service Banner); receiving service at the Cashier's Office within 15 minutes; determining admission into competitive-entry programs within 30 days; reporting results of credit-by-exam within one week; responding to requests for ADA accommodations in one day; answering the phone in four rings; completing transcript evaluations within a week after receiving official transcript; and processing admission applications within 24 hours.

## Complaints

Students desiring to file initial complaints regarding **non-academic** issues should bring the complaints to the attention of the appropriate department head for resolution. If an acceptable resolution is not reached within five working days, the student can then file a formal written complaint on the **Complaint Intake Form** (located on Blackboard or in the Office of the Dean of Student Services). The complaint is logged in at this time and routed to the department against which the complaint has been made. If resolution is not achieved, the complainant may appeal to the Dean of Student Services. Students may expect a maximum of five (5) days per step in the complaint resolution procedure. The decision of the Dean of Student Services is final. **Academic** complaints/grievances should first be filed in writing with the



instructor. If resolution is not achieved, the complainant may appeal through the chain-of-command possibly culminating with a hearing before the Academic Appeals Committee. Students are then notified, in writing, of the decision. Procedures for pursuing specific types of grievances are detailed in the Texas State University System *Rules and Regulations*, the *LSCO Faculty Handbook*, the *LSCO Student Handbook*, and the *LSCO Catalog*. Students may expect a maximum of five (5) working days per step in the grievance procedure.

## **Student Relations Representative**

Brian Hull

Dean of Student Services

Ron E. Lewis Library Building, Room 359

(409) 882-3342

[Brian.Hull@lSCO.edu](mailto:Brian.Hull@lSCO.edu)

## **Admission and Records**

The Office of Admission and Records provides student access to accurate and timely information regarding application, registration, record maintenance, and academic policies. Application documents and transcripts from high schools and/or former colleges, as well as any questions regarding admittance to the College, should be addressed to this office. Questions regarding multi-campus enrollment, copies of current college credit, and requests for IDs are also handled by this office.

### **Notification of Emergencies**

In the event of an emergency between the hours of 8 a.m. and 5 p.m. Monday through Friday, the Office of Admission and Records will attempt to locate a student on campus and/or to relay an emergency message to him or her.

### **Change of Address or Name**

Students are responsible for all communications addressed to them at the address on file in the Office of Admission and Records. Students who move during a semester must immediately register their changes of address in the Office of Admission and Records.

Change of name because of marriage or correction of name because of spelling errors may be made by completing a name change form at the Office of Admission and Records. All name changes must be accompanied by copies of the legal documents making the name official. This document will be kept on file in the student's confidential folder.

### **New Student Orientation**

A freshman orientation program is offered during August for the fall enrollment and in January for the spring enrollment. These sessions are designed to acquaint new students with campus facilities, academic and student support services, and give individual students opportunities to confer with advisors, division directors, and program directors about academic programs. Details of the orientation programs can be found at <https://www.lSCO.edu/orientation/orientation.asp> or by contacting the Recruiting Office at (409) 882-3379.

### **DegreeWorks**

Students, faculty mentors, academic advisors, and staff members have access to DegreeWorks; a degree audit system within LSCO's Gator Self Service Banner System. The tool allows all parties to see the same information about what courses students have successfully completed and what courses are still required for students' chosen degree plan.

For students, DegreeWorks:

- Provides real-time advice and counsel
- Provides intuitive web access to Gator self-service capabilities
- Streamlines the graduation process
- Allows direct access to multiple related services and advice through hyperlinks to catalog information, class schedules, transcripts, and FAQs

For advisors and staff members, DegreeWorks:

- Supports real-time delivery of academic advice through intuitive web interfaces
- Minimizes errors through consistent degree plans
- Supports more timely degree certification
- Reduces paperwork and manual program check sheets
- Supports and monitors unique program changes

Students and advisors can also use DegreeWorks to test “what if” scenarios with alternate majors to see how a change of major might affect the student’s expected graduation date.

Current students may access DegreeWorks, view course schedules, and register for classes online by logging into Gator Self-Service or Blackboard from our website [www.lSCO.edu](http://www.lSCO.edu).

## Advising and Counseling Center

The College provides a wide range of advising and counseling services to all students. The goal of the center is to assist in the resolution of student problems and questions and ultimately support personal growth and development.

The Advising and Counseling Center can provide specific assistance with class schedule planning, change of major, general information about various career choices, and transferring college credits. Questions concerning Texas Success Initiative (TSI) may also be directed to the center's staff. The staff can provide current information concerning degree plans for all degree, certificate and institutional awards, as well as programs at other colleges and universities. The Transfer Success advisor is available to facilitate a successful transfer in order to meet your educational and career goals.

Trained personnel offer both academic and career counseling as well as limited social and personal counseling on an individual and confidential basis.

Students are always welcome to drop in to the Advising and Counseling Center to discuss any kind of concern. The philosophy of the center is that no concern is too small to bring to the Advisors’ attention. When a problem exists that requires special professional expertise, the Advising and Counseling Center is the best place to receive a referral to an off-campus resource.

The center is open from 8 a.m. to 5 p.m. Monday through Thursday and 8 a.m. to 5 p.m. Friday. The center is closed during observed holidays as noted on the academic calendar in this catalog.

The Advising and Counseling Center is located in room 354 of the Ron E. Lewis Library Building. Students do not need an appointment to see an advisor. For more information, please call (409) 882-3340.

### Academic Advising

Academic advising is necessary to ensure that all students are in compliance with the Texas Success Initiative testing requirements and Lamar State College Orange policies. Participation in continuous academic advising is vital to students' academic successes. Thus, students are expected to participate in the advising process throughout their careers on the Lamar State College Orange campus. All first-time

students, students with fewer than 15 credit hours, students with undecided majors, students on academic probation or suspension, and students who have not completed the Texas Success Initiative (TSI) provisions are required to register through the Advising and Counseling Center. All other students are encouraged to seek academic advising at least once per year.

## Career Advising

Career advising is available to each student to assist in the clarification of career objectives. The advisors have available the comprehensive, online interactive career guidance system, MyNextMove.org, the Myers-Briggs Personality Type Indicator (MBTI), and the Strong Interest Inventory (SII). Students are advised to make appointments with the Testing Center staff to take the MBTI or SII.

MyNextMove.org is a comprehensive computer-delivered career guidance and information system. You can log in to this user friendly website for free! Students may also participate in résumé writing workshops and job interviewing training sessions as part of their preparation for LSCO's job fair.

## Carl Perkins Programs

- The *Carl Perkins Vocational Education Act* makes available a variety of special services for qualified students who are majoring in technical/ occupational areas. The term “special populations” means: Individuals with disabilities;
- Individuals from economically disadvantaged families, including low-income youth and adults;
- Individuals preparing for non-traditional fields;
- Single parents, including single pregnant women;
- Out-of-workforce individuals;
- English learners;
- Homeless individuals described in section 725 of the McKinney-Vento Homeless Assistant Act (42 U.S.C. 11434)
- Youth with a parent who:
  - Is a member of the armed forces (as such term is defined in section 101(a)(4) of title 10, United States Code); and
  - Is on active duty (as such term is defined in section 101(d)(1) of such field).

Some of the special services offered by the Carl Perkins Program include childcare assistance, tutoring, career and personal counseling. The Learning Center provides assistance in basic skills development, tutoring, study skills help, and tutoring. .

## Disability Support Services

Lamar State College Orange offers a variety of support services to enable students with disabilities and/or special needs to participate in the full range of college experiences. Students requesting academic adjustments and/or accommodations must document their requests for services in the Disability Support Services Office in the Advising Office.

Services are arranged to fit students' individual needs and may include individualized test administration, registration assistance, resource referral, sign language interpreters, note takers, tutors, readers, scribes, and the loan of specialized equipment, such as audio recorders, assistive listening devices, magnification technology, and access to a TDD.

When necessary, the advisor for students with disabilities acts as a liaison among students and faculty, administrators, and outside agencies.

The Disability Support Services Office works closely with the Texas Workforce Solutions Vocational Rehabilitation Services. The department provides disabled persons opportunities to enter into or return to gainful employment. Assistance with tuition and fees--in addition to diagnostic evaluation, vocational counseling, and physical restoration--may be provided. For more information contact or write the Texas Workforce Solutions, Orange Field Office, 2415 N 16<sup>th</sup> Street, Orange, Texas 77630 at (409) 882-0302 or

(877) 834-JOBS (5627) or [www.setworks.org](http://www.setworks.org)

Visually and hearing impaired students and other qualified students with disabilities may be eligible for assistance, including mobility training, professional counseling, placement services, tuition assistance, reader services, personal assistants, and other services through the Texas Workforce Solutions. The department also maintains special equipment for its clients. To reach the Division of the Blind, call (409) 899-8490 or (800) 687-7013.

## **Ron E. Lewis Library**

The purpose of the Ron E. Lewis Library is to support the educational mission of Lamar State College Orange by providing activities, services, resources, and programs to students, faculty, staff and the community. The library, located at the center of campus, opened in June 2001 and is an integral part of the College's learning experience. The library contains a collection of resources, both electronic and print, which support the school's curriculum and the information needs of students and faculty. The collection contains more than 45,000 print items and subscribes to more than 150 periodicals covering education and leisure. Included in the media library are 2,500+ titles of both educational films and popular movies. Students have access to 68 computers to search dozens of licensed electronic databases which include products from EBSCO, Gale-Cengage, Proquest, and NexisUni among others. These databases provide access to nearly 175,000 eBook, journal, newspaper, and magazine titles. Students may access these databases and eBooks via the Internet from anywhere by using their LSCO login information.

To facilitate cooperation and resource sharing, the library is a member of Amigos Library Services and participates in the TexShare Program. This project is managed by the Texas State Library and Archives Commission and funded by the Texas Legislature. The TexShare Program is designed to facilitate access to library materials for all Texans. All printed resources, except reference and reserve materials, circulate and are readily available on open shelves. The student identification card serves as the library card when checking out these items.

While students are encouraged to learn how to find and use their own resources in the library, librarians and library staff are always willing and available to assist students in the location and use of library materials. Instruction in the use of the library is provided to classes and individuals. Online tutorials are available through the library's web page. Photocopiers, computers, audio/visual equipment and individual and group study rooms are also available.

As part of the community service mission of the College, library facilities and privileges are extended to adult patrons of the Orange Public Library. The Ron E. Lewis Library maintains a reciprocal borrowing agreement with the Orange Public Library and maintains a cooperative working arrangement with the Mary and John Gray Library at Lamar University. The Ron E. Lewis Library also honors the TexShare borrower card when presented with acceptable photo identification. Some use and access restrictions may apply to resources and materials with contractual and licensing restrictions.

## **Testing Center**

The Lamar State College Orange Testing Center is located in room 107 of the Ron E. Lewis Library Building. The Testing Center provides a quiet and comfortable setting for group and individual testing of students. The center is completely handicapped accessible. Testing Center hours are from 8 a.m. to 8 p.m., Monday through Thursday; 8 a.m. to 5 p.m., Friday; and 9 a.m. to 1 p.m. Saturday during fall and spring semesters. The center observes reduced hours during the Summer semesters, 8 a.m. through 6 p.m., Monday through Thursday; and 8 a.m. through 5 p.m. on Friday.

Individual testing for career assessment inventories, make-up exams, finals, English and math placement, credit by examination, etc., is done on an appointment basis. During registration a student can generally

get the results for the English, language arts, reading, and math sections of the TSI Assessment immediately, be advised and register in one day if the student has already been accepted for admissions.

Career development exams are offered to assist students who want to explore career alternatives. The Lamar State College Orange Testing Center offers the newest in valid and reliable career assessment instruments. Two such instruments are the Myers-Briggs Personality Type Indicator (MBTI) Career Report and the newly revised Strong Interest Inventory (SII). Tests are administered on a computer, and a profile is available at the end of the test session. Students may see counselors at the Advising and Counseling Center for explanations of the results.

## Special Accommodations Testing

Needs for special accommodations must be identified and documented on the Request for Special Accommodations Form located in the Disability Support Services Office. Students who qualify for special testing accommodations for regular classroom tests must confer with their instructors who will forward exam material to the Testing Center. Instructions for special accommodations must be submitted by the instructor along with the student's test and must explain in detail the required accommodations.

For more information or to schedule appointments, please call (409) 882-3330.

## The Learning Center

The Learning Center, located in room 113 of the Ron E. Lewis Library building, offers LSCO students tutoring and study space, as well as access to printers, scanners, assistive technology, and computers equipped with a variety of software. Tutoring is available by appointment and on a walk-in basis.

Upon arrival, students check in with their LSCO IDs and enjoy a relaxed atmosphere in which to work independently or collaboratively. Staff and peer tutors stand ready to answer questions and facilitate learning. In addition, staff routinely curate and create online, multi-media, and printed materials to reinforce foundational skills and supplement classroom instruction. The Learning Center continually strives to develop tutorial services and resources that accommodate students' needs and compliment the academic, technical, and occupational curricula at Lamar State College Orange. Above all, the Learning Center aims to foster strong study skills and habits of thought that sustain students' success.

Besides traditional face-to-face tutoring, Learning Center tutors offer online sessions during business hours using virtual meeting applications such as Blackboard Collaborate Ultra and [GoBoard](#). To arrange tutoring—face-to-face or virtual—or simply ask a quick question, students may contact the Learning Center via any of the following methods:

- Phone: (409) 882-3373
- Email: [learning.center@lSCO.edu](mailto:learning.center@lSCO.edu)
- Live chat at <https://www.lSCO.edu/learningcenter/learningcenter.asp>

Free access to 24/7 tutoring is also available online for LSCO students through Upswing at <https://lSCO.upswing.io/>.

## Activities and Organizations

### Student Government Association

The Student Government Association (SGA) serves as the representative voice of students, as a major facilitator of new and improved student services and programs, and in an important role relative to student judicial proceedings. All students enrolled in good standing at Lamar State College Orange are eligible to become members of the Student Government Association, affording each student an opportunity to

promote, support, and participate in a well-rounded student life program.

The president and officers of the Student Government Association are elected each spring in a general student election. Student senators are elected each semester. Student opinions may be expressed at the open meetings of the SGA, held during the fall and spring semesters every Thursday at 3 P.M. in Student Center Room 202.

## **Student Organizations**

Many student organizations offer membership opportunities in one or more groups: professional, religious, academic, honor, spirit, sports or activity. Participation in student organization activities enhances the education of students, and students are strongly encouraged to affiliate with the organization(s) of their choice and participate in the programs.

## **Student Center**

The Student Center provides facilities for leisure-time recreation and is the campus center for many extracurricular activities. The center includes a TV, café, games, and recreational facilities. All students must present their Lamar State College Orange student identification cards at the front check-in counter in order to use these facilities.

## **Student Publications**

Cypress Branches is a literary journal which encourages and promotes the literary, artistic, and photographic expression of students of Lamar State College Orange. Entries are judged by a qualified panel of judges. Entries are received, judged, published, and awarded prizes every spring semester. Students from all majors and fields of study are encouraged to make submissions.

## **Recreational Sports**

All faculty, staff, and currently enrolled students with valid Lamar State College Orange ID cards have access to the recreational facilities and may participate in activities offered by the College.

Published schedules and reservations allow students, faculty, or staff members to exercise and enjoy competition with friends.

The intramural program provides an opportunity to participate in supervised, competitive sports among groups within the College community. The stated purpose of the intramural program is to promote human understanding, fair play, and behavioral control through the interrelationships occurring in athletic competition.

Further information on any facet of the recreational sports program may be obtained from the Coordinator of Student Activities.

## **LSCO Alumni**

Lamar State College Orange offers on-campus services and activities to ex-students. Anyone wanting to participate or take advantage of these services may purchase an Alumni ID Card. The card has an annual cost of \$35 (September 1 through August 31) and may be paid for at the Cashier's Office. The paid receipt should then be presented in the Library and a photo ID will be made at that time. The ID card must be renewed annually beginning September 1.

# **Conduct and Discipline**

## **Student Conduct**

In order to meet its educational objectives, an institution of higher learning must expect rational, mature

behavior from its constituency. To accept anything less is to invite the destruction of not only academic freedom but also the system of higher education itself.

## **Disciplinary Action**

A student is subject to disciplinary action for unacceptable behavior as outlined in the *Student Handbook* under "*Code of Student Conduct and Discipline*." The Dean of Student Services may classify behavior as unacceptable and may refer the case to the proper judicial body for investigation and decision. The student has the right to appeal the decision to the College Discipline Committee. This appeal is made through the Office of the Dean of Student Services, and the action of the Discipline Committee is subject to review by the President of Lamar State College Orange.

Student discipline at Lamar State College Orange is based on an educational philosophy of helping students grow and mature into responsible citizens. When a student behaves in a manner that may require disciplinary action, a careful investigation of all facts is made and the student is afforded every opportunity to participate in the process of arriving at a just and equitable decision. Counseling, conferences with instructors, conferences with peer groups, and other techniques may be employed in making discipline an educational experience.

## **Hazing**

Hazing is prohibited in state educational institutions by the Texas *Education Code, Section 4.19*. Students of Lamar State College Orange are forbidden to engage in, encourage, aid or assist any person(s) participating in what is commonly known and recognized as hazing. Any student who does so will be subject to college disciplinary action and may also face civil authority. Refer to the *Student Handbook* for more information relative to the legal implications of hazing.

## **Official Summons**

An official summons takes precedence over all other college activities of the student and should be answered promptly on the day and hour designated. Failure to heed an official summons may subject the student to serious disciplinary action.

## **Debts**

The College is not responsible for debts contracted by individual students or student organizations and will not act as a collection agency for organizations, firms or individuals to whom a student may owe bills.

Students and student organizations are expected to honor contractual obligations promptly, but in case of flagrant disregard of such obligations, the Chief Student Affairs Officer or his or her designated representative will take appropriate action.

After the 12th week in the long semester and the fourth week in the summer term, failure to pay fees by the specified date will result in suspension at the end of the current semester and will include denial of readmission, withholding of grades and transcripts and/or withholding of degrees or certificates.

## **Parking Regulations**

Each student is issued a vehicle permit that allows parking on the campus and other specific areas adjoining the campus. This permit is to be displayed as instructed in official parking and traffic regulations materials. Strict observance of traffic and parking regulations is necessary for the safe, orderly flow of vehicles in the campus area. Parking passes can be obtained in the Student Center.

# College Affairs

Campus Security

Public Relations and Development

Print & Design Services

Alumni



## **Campus Security**

The Lamar State College Orange security department can be reached at 409.670.0789. The 24/7 emergency number answered by Orange Police Department dispatch is 409.883.1026. Campus security officers have enforcement authority on property owned and controlled by the College. The streets contiguous to and running through the campus are under the authority of the Orange Police Department. Campus security officers are authorized by state statute to enforce federal and state laws within their jurisdiction, in addition to rules and regulations issued by the Board of Regents of LSCO. Security guards patrol all LSCO campus facilities. They patrol on foot or in golf carts marked with SECURITY. LSCO officers are available to provide escort service to anyone whom may be concerned with their safety. LSCO officers enjoy a good working relationship with federal, state, local, city, and county law enforcement authorities. The Security Department's working relationship with other area law enforcement agencies ensures that crimes and violations at nearby campus sites may be reported to LSCO officers and, if further assistance is needed, at on-campus locations. Lamar State College Orange and the City of Orange Police Department have a memoranda of understanding for the investigation of alleged criminal offenses on and near campus. Both entities recognize the importance of having effective communication and coordination regarding alleged criminal offenses, including but not limited to, allegations of sexual harassment, sexual assault, dating violence and stalking that involve the College's students or take place on and around the LSCO's campus.

## **BlackboardConnect Emergency Alert Messaging System**

Lamar State College Orange utilizes the communications system, BlackboardConnect, which allows the delivery of time-sensitive emergency notification via voice messages, e-mails and text messages in the event of a campus emergency. The BlackboardConnect service provides a safer environment, enhances emergency preparedness and will keep students, faculty and staff better informed. LSCO will use this service solely for the purpose of notifying the campus community of a significant emergency or dangerous situation involving an immediate threat to the health or safety of faculty, staff, or students.

## **Public Relations and Development**

The Office of Public Relations and Development informs the campus and surrounding community of important news, events, and opportunities available to students and the public. The office manages the College's relations with traditional media including newspapers, radio stations, and television stations. The office also manages, maintains, and regularly updates information distributed through social media outlets including Facebook, Twitter, and Instagram. The office issues press releases, news articles, and dispatches covering educational programs, social events open to the public, activities sponsored by campus groups, and student success stories. It also publicizes campus closures and special hours of operations during holidays and/or emergencies.

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## **Print and Design Services**

Print and Design Services produces syllabi, testing materials, study guides, handouts, and other instructional material by order for faculty use in their courses. It also produces LSCO course schedules, catalogs, diplomas, graduation programs, brochures, flyers, and promotional materials for courses and programs. All other print media, including special orders and graphics design for use on campus as well as the community, are produced on site, in a state-of-the-art digital and multi-media design environment

Services are available by order for student use in printing course materials from Open Educational Resources. Fees for these services are assessed as a price per printed page unless the instructor orders prepared course packs to be sold through the LSCO Bookstore. Walk-up copier use is available for faculty and staff. Copier service is available to students in the library. All leased printing and copying equipment is maintained by Print and Design Services personnel, who also program and disseminate copy codes for individual LSCO departments and service units.

## **Alumni Association**

Lamar State College Orange is proud of the many individuals who have taken advantage of the educational opportunities that we have been providing since 1969. Some of you will graduate with certificates and/or degrees while others will start your college careers at LSCO before finishing at a senior institution. Some of you will take specific courses that give you the knowledge and skills needed to start or improve your career. Regardless of your motivation, once you attend Lamar State College Orange you become part of our campus Gator family.

As a member of the Gator family, we want to keep you informed about campus events and activities and give you a chance to stay in touch. Alumni Association dues are \$35 annually and provide members with campus information, access to a range of services and college-sponsored events, and help fund scholarships for our students.

# Academic Policies and Procedures

Academic Policies and Procedures  
Nontraditional Credit Education Evaluation  
Testing and Placement

# Academic Policies and Procedures

## Registration for Classes

Students will be permitted to attend classes only when the instructors have received evidence of proper registration. Registration dates and deadlines are listed in the academic calendar. Students may add courses, make section changes or drop courses only within the period specified in the calendar.

New students and returning students, with an enrollment lapse of one semester, who are under the age of 22, will not be permitted to register for classes without verification of proof of receiving the Bacterial Meningitis Immunization Vaccination. Please see *Bacterial Meningitis Vaccination Requirement* under the *Health Policies and Regulations* of this catalog.

## Full-Time Student Status

During the fall, spring, and summer semesters, a full-time student is one who is enrolled for at least 12 semester credit hours of courses, including both credit and college prep courses. Full-time status may be required of some students, depending upon financial aid or scholarship status. Some students are also required to be full-time if covered under parental health insurance.

## Maximum Course Loads

Every college course is assumed to involve a significant amount of non-contact hour time for out-of-class student learning and reflection. In accordance with Texas Administrative Code (TAC), Title 19, Part 1, Chapter 4 and to assure the quality of student learning, LSCO students are not allowed to carry more courses in any term (that is, regular or shortened semester), than would allow them to earn more than one semester credit hour per week over the course of the term. For example, in a five and one-half week summer term, students should not generally be allowed to enroll for more than six semester credit hours.

The normal maximum course load in a long semester should be 15 semester hours. Course loads in excess of 18 semester hours shall require approval by the Provost/Executive Vice President for Academic and Student Affairs.

## Course Numbering

Lamar State College Orange uses the state approved Texas Common Course Numbering System for all academic courses. Each academic course has a letter code and/or numerical code. The letters are an abbreviation for the subject. For example, ENGL indicates an English course. Most courses meet three hours each week and have a credit value of three semester hours. Each number contains three or more figures:

- The first number indicates the rank of the course: 1, freshman level; 2, sophomore level.
- The second number indicates the number of semester hours of credit.
- The last number(s) indicates the order in which the course normally is taken.

Applied music courses are numbered so the second number indicates both semester hours of credit and number of private lessons each week.

## Semester Hours

The unit of measure for credit purposes is the semester hour. Two or more hours of laboratory work are counted equivalent to one classroom hour. For laboratory work that requires reports to be written outside of class, two clock hours are usually counted as one semester hour.

## New Courses

In order to meet changing educational requirements, the College reserves the right to add any needed

courses at any time without regard to the listing of such courses in the catalog.

## **Minimum Class Enrollment**

The College reserves the right not to offer any courses listed in the class schedule if fewer than 10 students register for the course.

## **Distance Education**

The College offers a variety of hybrid and fully online courses. Blackboard is the school's learning management system and provides the foundation for the distance education program. The distance education program is managed by the Office of Learning Technology. Student training on Blackboard is offered each semester; videos are also available on the LSCO website. A Blackboard Student Orientation is available to all students.

## **Classification of Students**

Students are classified as freshmen, sophomores and post-baccalaureate. For the purpose of determining eligibility to hold certain offices and for other reasons, officially enrolled students are classified as follows:

- Freshman: has met all entrance requirements but has completed fewer than 30 semester hours;
- Sophomore: has completed a minimum of 30 semester hours with 60 grade points;
- Post-baccalaureate: holds a bachelor's degree but is not pursuing a degree program.

## **Changing Schedules**

Once classes have started, all section changes, adds, and drops must be approved by either the advisor, the division dean, Advising and Counseling Center personnel, or the Registrar. All such changes are initiated by the completion of the proper form. A course may not be added after the first week of a long semester or the first two days of an eight-week or summer session.

## **Change of Major**

Students wishing to change their majors must complete a change of major form. The approval must be in writing on the Change of Major form. These forms are available in the Advising and Counseling Center and the Office of Admission and Records. All such changes are initiated by the completion of the proper form. Prior to changing their major, students should meet with an academic advisor.

## **Class Attendance**

Students must attend classes regularly and punctually to achieve their educational objectives. Therefore, instructors shall formulate and state in course syllabi attendance policies that best support student success. The College would prefer that faculty keep an accurate attendance record throughout the course.

When an instructor intends to use class participation as a grading criterion in a course, it shall be so stated in his/her course syllabus in objective measures. While attendance may be reflected in the instructor's evaluation of a student's class participation or affect a student's performance on other graded material or skills, attendance (or lack of attendance) in class should not be used as a sole criterion in determining a student's grade in a course.

The Office of Student Services maintains a list of college-sponsored extra-curricular activities. Instructors may or may not approve college-sponsored student absences. Instructor-approved absences entitle students to make up exams and written assignments without penalty.

Students with absences approved by the instructor for LSCO-sponsored activities should present properly completed college-sponsored absence forms to their instructors prior to the absence, if possible. If this is not possible, students should present the forms as soon as they return to class.

Students may request the Office of Student Services to notify faculty members prior to or during an

extended absence due to personal or family illness, accident, hospitalization, etc. This notification does not require the instructor to regard the absence as excused; however, it does explain to instructors why a student is absent and when he/she will return to class.

### **Observance of Religious Holy Days**

A student who misses an examination, work assignment or other project because of the observance of a religious holy day will be given the opportunity to complete the work missed within a reasonable time after the absence. The student may not be penalized for these excused absences unless the student fails to complete satisfactorily the missed assignment or examination within a reasonable time after the excused absence. The student notifies the instructor of each class scheduled on the date that the student would be absent for a religious holy day. Arrangements must be made with the instructor in advance. This policy does not apply to any student absence which may interfere with patient care.

A "religious holy day" means a holy day observed by a religion whose places of worship are exempt from property taxation under *Section 11.20* of the *Tax Code*.

### **Academic Honesty**

The College does not tolerate cheating or plagiarism. Cheating involves either giving assistance to another student or receiving assistance from another student during a quiz, test, examination or other individual assignment unless the instructor has explicitly permitted such assistance.

Plagiarism means "to take and use as one's own the writings or ideas of another" (*American Heritage Dictionary*). Before submitting any paper for any course at the college, the student must acknowledge each source used consciously, whether published or unpublished. Even an idea presented in the student's own words but consciously taken from a source must be acknowledged. In addition, quotation marks (or indenting) must set off phrases or longer passages copied verbatim. Each instructor will explain any special means required to avoid plagiarism in his or her own field.

The assignment of grades is the responsibility of the instructor. Thus, if the instructor determines that a student's work has been intellectually dishonest, the instructor may award the student an "F" for the course or for the specific task determined to have been dishonestly accomplished. Such action will be preceded by a meeting with the student to provide an occasion for refutation, explanation or mitigation. In cases where the faculty member and student cannot reach agreement, and after consultation with the division dean, the student may make a written appeal to the Executive Vice President/Provost for Academic and Student Affairs within five school days of the meeting with the faculty member.

The faculty member's charge must include an academic penalty, the most severe being removal from the course with a grade of "F." Additionally, LSCO may propose an institutional sanction in repeated or blatant cases of academic dishonesty. A student involved in an appeal of an intellectual dishonesty case has the right to remain in class until a decision is made.

### **Grading System**

A	Excellent	S	Satisfactory
B	Good	U	Unsatisfactory
C	Satisfactory	NG	No grade
D	Poor	Q	Dropped course
F	Failing	W	Withdraw from all classes
I	Incomplete		

The grade of "Q" or "W" is given if the drop or withdrawal is made before the due date.

### **Incomplete**

The grade of "I" may be given when any requirement of the course, including the final examination, is not



completed. Students seeking an incomplete should have completed 75% of the course requirements and be passing the course at the time of the request. Arrangements to complete deficiencies in a course should be made with the instructor. The instructor will obtain the incomplete form from his/her division dean and facilitate the process. Incomplete work must be finished during the next long semester. If not, the Office of Admission and Records must change the "I" grade to the grade of "F." The course must then be repeated if credit is desired.

An "I" grade also automatically becomes an "F" if the student registers for the course prior to removing the deficiencies and receiving a grade change. The instructor may record the grade of "F" for a student who is absent from the final examination and is not passing the course.

## **Grade Replacement**

Students may replace a course grade by repeating the same course. If a student repeats a course, the official grade is the higher one, although all grades remain on the student's transcript. A grade, once earned and entered on a student's transcript, cannot be removed. The grade for repeating a course at another institution cannot be transferred to replace a grade for a Lamar State College Orange course. Eligibility for all College honors will be determined on the basis of a cumulative GPA that includes all grades earned at Lamar State College Orange, including those that were replaced. Any student who wishes to repeat a course must do so before completing a more advanced course in the same subject. The division dean of the department offering the course will determine what constitutes a more advanced course. This policy does not apply to classes repeated before the fall of 2011. Once a degree has been conferred, a student may not use the *Grade Replacement* for any courses used to award a degree or calculate the cumulated grade point average.

## **Grade Changes**

A grade may not be corrected or changed without the written authorization of the instructor giving the grade; or, in the event that an instructor is no longer employed by Lamar State College Orange, the Executive Vice President/Provost for Academic and Student Affairs may authorize a grade change after reviewing grade records. The grade change should include a statement explaining the reason for the change and must be provided to the program director/department head (if applicable) and dean. The instructor will follow the grade change online form process located in Blackboard. The student, instructor, program director/department head (if applicable), and dean will receive a confirmation email. The Office of Admissions and Records will receive the grade change information via email for processing.

## **Grade Point Average Computation**

The grade point average is a measure of the student's overall academic performance and is used in the determination of academic standing, rank in class, eligibility for graduation, etc. To compute a grade point average, grade points are assigned to a letter as follows: "A," 4 points; "B," 3 points; "C," 2 points; "D," 1 point; and "F," "I," "S," "NG," "Q," "U," and "W," 0 points. The number of grade points earned in a course is obtained by multiplying the number of semester hours of credit by the number of points assigned to the letter grade made in the course.

The grade point average is calculated by dividing the total number of grade points earned by the total number of semester hours attempted in courses for which the grades "A," "B," "C," "D," "F," and "I" are assigned. Thus, for grades "S," "U," "NG," "W," and "Q," neither semester hours nor grade points are used in the computation of the grade point average. Hours attempted reflect all work taken, whether passed, failed or repeated.

Beginning spring 2010 with the implementation of a new student system LSCO modified the academic transcript. Undergraduate academic and undergraduate technical careers are combined into one undergraduate level on one undergraduate transcript. Students with questions regarding their grade point average computation should be directed to the Office of Admission and Records.

## **Final Grades**

Final grades are available at all times by logging into Gator Self-Service via [www.lSCO.edu](http://www.lSCO.edu), and by logging on to Blackboard with username and password. Instructions on how to access grades via Gator Self-Service are available in the Lamar State College Orange Registration Guide that can be accessed online at [www.lSCO.edu](http://www.lSCO.edu).

## Grade Appeals and Academic Grievances

A student may appeal a final grade by first contacting the instructor concerning the grounds for appeal within five days. If the dispute is not resolved at this level, the student must follow the procedures outlined in the *Student Handbook*. Other grievances of an academic nature are subject to the same appeals process.

## Dean's List

At the end of each fall and spring semester, the Office of Admission and Records prepares a list of all full-time (those who completed 12 or more semester hours) students who have earned a grade point average of 3.4 or above for that semester. Students will receive a letter and notation on their transcript.

## President's List

At the end of each fall and spring semester, the Office of Admission and Records prepares a list of all full-time (those who complete 12 or more semester hours) students who have earned a grade point average of 4.0 for that semester. Students will receive a letter and notation on their transcript.

## Dropping Courses

From first class day to census day, a student wishing to make a schedule change or drop a class will meet with an academic advisor. After the census date, students will meet with, email or call their instructor to discuss their progress in the class. After coaching and discussing student progress, if the student wishes to drop the course the instructor will complete the online drop form located in Blackboard. **Dual Credit (DUHS) and Early College High School (ECHS) students wishing to drop a class must refer to their high school counselors for advising.**

Prior to dropping a course students should meet with their advisors. (See also Six Drop Rule) It is the student's responsibility to initiate dropping a course by the drop deadline published in the Academic Calendar.

For refund purposes the effective drop date is the date indicated on the online drop form, which should be the date the student contacted the instructor. The student, instructor, cashier, and admissions will receive a confirmation email.

## Six Drop Rule

Limitations on the Number of Courses that may be Dropped by Undergraduate Students: Legislation passed by the Texas Senate (SB 1231) in late spring 2007 could seriously impact your college career.

This legislation applies to all students entering into any Texas public institution of higher education as a first time freshman beginning fall 2007 and subsequent terms.

- Under *Section 51.907 of the Texas Education Code*, “an institution of higher education may not permit a student to drop more than six courses, including any course a transfer student has dropped at another institution of higher education.” This statute was enacted by the State of Texas and applies to students who enroll in a public institution of higher education as first-time freshman in fall 2007 or later. Any course that a student drops is counted toward the six-course limit if “(1) the student was able to drop the course without receiving a grade (A,B,C,D,F,S,U or Q) or incurring an academic penalty; (2) the student’s transcript indicates or will indicate that the student was enrolled in the course [signified by a ‘QL’ grade at Lamar State College Orange (LSCO)]; and (3) the student is not dropping the course in order to withdraw from the institution.” Some exemptions for good cause could allow a student to drop a course without having it counted toward

this limit, but it is the responsibility of the student to establish that good cause. Contact the Office of the Registrar, (409) 882-3318, for more information before you drop a course.

- This statute applies to all Texas public colleges and universities. Therefore, a LSCO student affected by this statute that has attended or plans to attend another institution of higher education should become familiar with that institution's policies on dropping courses.
- Any course dropped at LSCO prior to the 12<sup>th</sup> class day for a fall and spring semester, 4<sup>th</sup> class day for a summer term and 1<sup>st</sup> class day for a mini-session will not count toward the six-course drop limit.

## **Reinstatement to Class**

A student may be reinstated to class upon written approval by the major instructor of the course and the instructor's division director or the Executive Vice President/Provost for Academic and Student Affairs. The official form must be processed in the Office of Admission and Records.

## **Instructor Initiated Drop**

When absences, other than approved absences, interfere with the student's performance, the instructor may recommend to the division dean that the student be dropped from the course. In the case of an instructor initiated drop, the advising office will be notified. In the event the student has accumulated six drops and the drop is not eligible for an exemption to the rule, the instructor will not be able to drop the student. In this instance the student will have to receive the grade they have earned.

## **Academic Probation**

Students are expected to make satisfactory academic progress toward their degree objectives. A "C" is the minimum satisfactory grade and a "C" average (2.0 GPA) constitutes satisfactory performance. The cumulative grade point average is based only on course work at Lamar State College-Orange for which the student earns the grade of A, B, C, D or F. The marks of Q, W, NG, XC or U are not counted as hours attempted in figuring the cumulative grade point average.

A student is placed on probation after the first long semester in which a student's institutional cumulative GPA falls below 2.0. Students on academic probation whose institutional term GPA is a 2.0 or higher will be allowed to continue on probation until the institutional cumulative GPA reaches 2.0 or higher. Students on academic probation must see an academic advisor to be advised and registered for classes each semester until they are off probation. If, after one semester on probation, a student fails to raise their cumulative GPA above 2.0, the student will be limited to enrolling in 7 credit hours during subsequent semesters until the cumulative GPA reaches 2.0 or higher.

Academic probation is assessed at the end of the Fall and Spring semesters.

## **Suspension and Reinstatement**

A student who has been on academic probation for two consecutive semesters will be placed on academic suspension if the student fails to maintain a 2.0 institutional term GPA. A student who has been suspended may return to LSCO after sitting out one long semester.

## **Veterans' Satisfactory Academic Progress**

The Veterans' Administration must be notified of unsatisfactory progress the second semester a student has not completed classes with a 2.0 grade point average. Veterans should contact the Veterans' Affairs Office, (409) 882-3317, for additional information.

## **Academic Forgiveness**

After an enrollment lapse of four or more years from Lamar State College Orange and after completing successfully (2.2 average) 24 semester hours of coursework, a student may petition to disregard a

maximum of two entire successive semesters of work taken previously at Lamar State College Orange. The petition shall be filed with the Registrar and approved by the Dean of Student Services.

When approved by the Dean of Student Services, disregarded coursework shall not count in determining the student's grade point average for academic progress or for graduation; however, the work shall remain on the transcript with an appropriate notation and shall be used in determining honors. Once a degree has been conferred, a student may not use the academic forgiveness for any courses used to award the degree or to calculate the cumulative grade point average.

## **Withdrawals**

Students wishing to withdraw from all classes must meet with, email, or call their program director/dean to discuss their desire and reason for withdrawing. After coaching and discussing if the student wishes to withdraw from the College, meaning they wish to drop all their courses, the program director/dean will complete the online withdrawal form located in Blackboard. **After consulting with their program director/dean, Dual Credit (DUHS) and Early College High School (ECHS) students wishing to withdrawal from the College must refer to their high school counselors for advising.** Students must clear all financial obligations and return all books, laboratory equipment, and other materials. For refund purposes the effective withdrawal date is the date listed on the online withdrawal form, which should reflect the date the student contacted the program director/dean.

The student, instructor/program director, cashier, financial aid, library, and admissions will receive a confirmation email. The cashier, financial aid, and library will communicate directly with the student via mylsco.edu email regarding any money due and holds placed on the account.

The Business Office will return such fees as are refundable according to the schedule shown under "Fees."

A student may not withdraw after the published deadline. A student who leaves without officially withdrawing will receive a grade of "F" in all courses, will forfeit all refundable fees, and is not relieved of outstanding financial debts.

Prior to withdrawing from classes students should meet with an advisor.

## **Eligibility for Extracurricular Activities**

An extracurricular activity is understood to be any non-class-related activity representing the student body, a student organization, a department or division organization or any such activity representing the College.

Any full-time student not on disciplinary or scholastic probation who is officially registered is eligible to become a candidate and/or to hold student office. In some cases part-time students are also eligible to hold office. Any full-time or part-time student not on disciplinary or scholastic probation is eligible to represent the College in any extracurricular activity provided the student has a grade point average of at least 2.0 for both the whole of college work completed at Lamar State College Orange and for the preceding semester.

For the purpose of establishing eligibility, two six-week summer terms may count as one semester.

Transfer students have the same eligibility as freshman students until completion of one semester at Lamar State College Orange.

## **Credit by Examination and Advanced Standing Examination**

Advanced standing examinations are intended only for those students who have had the equivalent, in formal or informal training, of the work being presented in the course in question. These exams may be taken only once unless otherwise approved by the division dean or Executive Vice President/Provost for Academic and Student Affairs. Credit may be granted to those who pass departmental advanced standing

examinations with a grade of "B" or better. Normally, departmental examinations will be given only if College Level Examinations Program (CLEP) subject examinations are not available.

To secure permission for such examination, a student must obtain the written permission of the division dean responsible for the course. A fee of \$25 must be paid to the Cashier's Office. Forms are available in the Testing Center.

A student who has previously and/or is currently enrolled in a course or has received a grade (passing or failing) in a course may not take an advanced standing examination in that course. Credit earned by examination is not granted or transcribed if the student does not complete at least one course at LSCO subsequent to earning credit by exam. A fee of \$25 per credit hour must be paid to the Cashier's Office for credit to be transcribed.

## Advanced Placement

The first two optional testing programs listed below are offered to enable first-time college students to qualify for advanced standing and/or college credit. These tests must be taken before enrollment. Applicants also may qualify for credit through the College Level Examination Program (CLEP).

### 1. Advanced Placement Examinations (Optional)

Applicants who wish to receive credit for college-level work completed in high school may do so by submitting scores from the College Entrance Examination Board's Advanced Placement Examinations. Examinations are given each May by high schools. Arrangements are made through high school counselors. Subject matter areas and the basis for granting credits are as follows:

Subject Area	Required Score	Credit Granted
Art	Score of 3 or above	Art 1316, 1311
Biology	Score of 3 or above	Biology 1306-1307
Calculus		
AB Test	Score of 3 or above	Math 1325 or Math 2413
BC Test	Score of 3 or above	Math 2312, 2413, & 2414
Chemistry	Score of 3 or above	Chemistry 1311
Computer Science		
A Test	Score of 4 or 5	Computer Science 1420
AB Test	Score of 4 or 5	Computer Science 2420
Macroeconomics	Score of 3 or above	Economics 2301
Microeconomics	Score of 3 or above	Economics 2302
English	Score of 4 or 5	English 1301-1302
	Score of 3	English 1301
Foreign Language	Score of 3	Spanish 1311
	Score of 4	Spanish 1311, 1312
	Score of 5	Spanish 1311, 1312, 2311
Government/Compar.	Score of 3 or above	3 hrs. elective (non-advanced)
Government/Political Science	Score of 3 or above	Government 2306
History/American	Score of 3 or above	History 1301-1302*
History/European	Score of 3 or above	History 2321-2322

\* State law requires three semester hours of classroom instruction in some phase of American history in addition to credit by examination.

### 2. ACT and SAT/SAT II Subject Tests

Students with outstanding high school records or who have participated in accelerated programs are encouraged to take the College Entrance Examination Board's Subject Tests in available academic areas.

The results of those tests may allow the student to bypass introductory level courses. Students scoring at or above college standards on the SAT and/or ACT may be awarded credit. Contact the LSCO Testing Coordinator or Dean of Academic Studies for more information. ACT and SAT II Subject Tests are given on most of the regularly scheduled ACT and SAT test dates. Registration bulletins are available from area high schools.

Grades will not be assigned and hours will not be used in the computation of grade point averages for course credit granted through ACT and/or SAT/SAT II Subject Exams.

### 3. College Level Examination Program (CLEP)

Lamar State College Orange awards credit on the basis of most of the subject examinations on the College Level Examination Program (CLEP). A complete list of required scores and respective course credit to be awarded is available from the Testing Center and on our website at [www.lSCO.edu/testing/clep](http://www.lSCO.edu/testing/clep). The essay sections of the English Composition and Literature examinations are required and the determination for the awarding of equivalent English credit is based upon the strength of the written essays.

The amount of credit awarded to a student who attended college before taking the examination will depend upon which college courses the student completed. Credit will not be awarded if the student received prior credit for the same course or its equivalent. Grades will not be assigned and hours will not be used in the computation of grade point averages.

### 4. International Baccalaureate (IB) Diploma Program

Lamar State College Orange recognizes the IB Diploma Program. Students who receive an IB diploma and receive scores of “4” or above on Higher Level (HL) or Standard Level (SL) examinations will be awarded a minimum of 24 semester credit hours (see table). Students who have not received an IB diploma may be granted credit on an individual course-by-course basis as determined by participating academic departments. A copy of the official IB transcript must be submitted to the Office of Admissions and Records to receive transfer credit. All applicable Texas statutes and Lamar State College Orange policies must be complied with and are in effect for course transferability.

Exam	Score = 4+ On all levels	Credit Granted	Equivalent Course
<b>Group 1 - Language (A1)</b>			
English	HL	6 hrs.	ENGL 1301, 1302
	SL	3 hrs.	ENGL 1301
	A or B	3 hrs.	ENGL 1302
<b>Group 2 - Second Language (A2)</b>			
Spanish	SL	6 hrs.	SPAN 1311, 1312
<b>Group 3 - Individuals and Society</b>			
History Americas	HL	6 hrs.	HIST 1301, 1302
	SL	3 hrs.	HIST 1301
Economics	HL	6 hrs.	ECON 2301, 2302
	SL	3 hrs.	ECON 2301
Philosophy	HL or SL	3 hrs.	PHIL 1301
Psychology	HL or SL	3 hrs.	PSYC 2301
<b>Group 4 - Experimental Sciences</b>			
Chemistry	HL	8 hrs.	CHEM 1311, 1312
	SL	4 hrs.	CHEM 1311
Biology	HL	8 hrs.	BIOL 1306, 1307
	SL	4 hrs.	BIOL 1306
Physics	SL	4 hrs.	PHYS 1301

<b>Group 5 - Math and Computer Sciences</b>			
Mathematics	HL	3 hrs.	MATH 1325
	SL	3 hrs.	MATH 1314
Computer Sciences	SL	3 hrs.	COSC 1301
<b>Group 6 - Arts</b>			
Visual Arts (A)	HL or SL	3 hrs.	DRAM 1310
Visual Arts (B)	HL or SL	3 hrs.	ARTS 1301
Music	HL or SL	3 hrs.	MUSI 1306

## Transfer Credit for Correspondence Courses

The following regulations will apply to work completed through correspondence:

- Lamar State College Orange does not offer correspondence courses but will accept for transfer and application toward an associate degree or certificate up to nine (9) semester credit hours of correspondence courses which have been satisfactorily completed in a correspondence division of an accredited college or university.
- Students who desire to earn credit by correspondence and apply the credit toward a degree or certificate at LSCO must secure the approval of their major advisor and the division director. Forms for this purpose may be obtained in the Office of Admission and Records.
- All correspondence work in which a student is enrolled during a given semester will count as a part of the student's maximum load permitted for that semester. A student will not be given permission to exceed the maximum load by enrolling in correspondence courses, and any correspondence work which is completed without approval will not be accepted for transfer to Lamar State College Orange.
- Correspondence work must be completed, and an official transcript showing the grades and credits earned must be filed in the Office of Admission and Records at LSCO no later than 14 days before the date of graduation. If credit is filed after this period, the student's graduation may be deferred to the following semester or summer. It is the student's responsibility to have an official transcript sent to the Office of Admission and Records at LSCO from the Registrar's Office where the correspondence work was completed.
- Correspondence courses will not be approved for students who are ineligible to enroll at LSCO, for those students who may be on academic or disciplinary probation or suspension and/or for beginning freshmen prior to registration at LSCO.
- Also, correspondence courses may not be used to repeat courses.

A maximum of nine (9) semester credit hours may be earned through correspondence work and applied toward a degree or certificate at LSCO; the work normally should be in general education, minor or elective areas. Correspondence work cannot be used to satisfy major field requirements.

## Transfer Credit Evaluation

Credit earned at other accredited institutions may be considered for credit by Lamar State College Orange according to the following policies:

- Official transcripts reflecting all completed coursework must be sent directly to Lamar State College Orange Office of Admission and Records from the issuing institution or in a sealed envelope from issuing institution.
- Transfer credit evaluation will not be processed until all official transcripts have been received.
- Courses will be transferred as credit only; however, a transfer credit GPA will be maintained and used in the case of honor graduates, where all courses attempted will be used in calculating the cumulative grade point average for the determination of honors.
- "D" grades earned at other institutions are transferable, but departments may refuse to count them toward degrees.
- Transfer credit evaluations can be viewed on the unofficial academic transcript by logging into Student Services via the website at [www.lSCO.edu](http://www.lSCO.edu) or by logging on to Blackboard. This

information will be available no later than the end of the first academic term in which they are enrolled.

## **Transfer of Military Credit**

Credit may be granted for military experience. A Transfer Credit Evaluation Request form must be completed and turned into the Office of Admission and Records. Credit will be evaluated upon the evaluation recommendations outlined in the *American Council on Education (ACE) Guide to the Evaluation of Educational Experiences in the Armed Services*. Students must submit the following documents:

- Form DD214
- Military Transcript Summary sent directly from the American Council on Education

## **Nontraditional Credit Educational Evaluation**

Academic credit may be granted for education obtained through a variety of nontraditional methods including continuing education, non-accredited private and technical college coursework, military training, and credit by examination. Students planning to transfer to a four-year institution are advised to confer with the institution to which they plan to transfer regarding acceptance of nontraditional credit.

The evaluation of nontraditional education is based upon the guidelines of the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Credit may also be awarded based on recommendations contained in the National Guide to Educational Credit for Training Programs published by the American Council on Education.

Nontraditional credit will be evaluated and approved by the division director of the subject area for which the credit is being requested, using the following guidelines:

- Texas Success Initiative requirements, including course pre/corequisites, must be met prior to the award of nontraditional credit.
- A maximum of 21 hours of nontraditional credit may be awarded.
- Nontraditional credit may be awarded to an LSCO matriculated student after the census date of the first semester of enrollment.
- Credit is noted as nontraditional on the transcript and will receive a grade of “S” (satisfactory), with the exception of LSCO departmental credit by exam, which are shown with a letter grade of “A” or “B.”
- Applicants seeking nontraditional credit for courses that do not meet SACSCOC criteria may apply for credit through the credit-by-exam option.
- Nontraditional credit will not be counted toward resident credit with the exception of LSCO Continuing Education overlay classes.

### **Procedures for Requesting Credit for Nontraditional Education**

1. The student initiates the request in the Office of Admission and Records by completing the appropriate form and presenting documentation, if required.
2. The Office of Admission and Records sends the form to the appropriate division director for evaluation. Departmental approval is not normally required of ACE Guide recommendations.
3. The form is returned to the Office of Admission and Records and a copy of the completed evaluation is mailed to the student.
4. After payment is received, the nontraditional credit is posted to the student’s academic record. A transcript showing posted credit is mailed to the student.

## **Testing and Placement**

### **The Texas Success Initiative (TSI)**



The purpose of the Texas Success Initiative is to ensure that students enrolled in Texas public colleges and universities possess the academic skills needed to perform effectively in college-level coursework.

All students subject to the requirements of the Texas Success Initiative must take the TSI Assessment. Students must present scores to register for classes unless otherwise exempt, or are majoring in technical programs of less than 43 credit hours. NOTE: Students enrolling in the General Studies certificate are NOT exempt and are subject to the requirements of the Texas Success Initiative.

The LSCO Testing Center is dedicated to providing students ample opportunities to obtain TSI scores necessary for late enrollment through the twelfth-class day.

The following students shall be exempt from the requirements of the Texas Success Initiative:

(a) The following students shall be exempt from the requirements of this title, whereby exempt students shall not be required to provide any additional demonstration of college readiness and shall be allowed to enroll in any entry-level freshman course as defined in §4.53(12) of this title (relating to Definitions):

(1) For a period of five (5) years from the date of testing, a student who is tested and performs at or above the following standards that cannot be raised by institutions:

(A) ACT: composite score of 23 with a minimum of 19 on the English test shall be exempt for the reading and writing section of the TSI Assessment, and/or 19 on the mathematics test shall be exempt for the mathematics section of the TSI Assessment;

(B) SAT

(i) SAT administered prior to March 5, 2016: a combined critical reading (formerly "verbal") and mathematics score of 1070 with a minimum of 500 on the critical reading test shall be exempt for the reading and writing section of the TSI Assessment; a combined critical reading (formerly "verbal") and mathematics score of 1070 with a minimum of 500 on the mathematics test shall be exempt for the mathematics section of the TSI Assessment.

(ii) SAT administered on or after March 5, 2016: a minimum score of 480 on the Evidenced-Based Reading and Writing (EBRW) test shall be exempt for the reading and writing section of the TSI Assessment; a minimum score of 530 on the mathematics test shall be exempt for the mathematics section of the TSI Assessment. There is no combined score.

(iii) Mixing or combining scores from the SAT administered prior to March 5, 2016 and the SAT administered on or after March 5, 2016 is not allowable.

(2) For a period of three (3) years from the date of testing, a student who is tested and performs on the Texas Assessment of Academic Skills (TAAS) with a minimum scale score of 1770 on the writing test, a Texas Learning Index (TLI) of 86 on the mathematics test and 89 on the reading test.

(3) For a period of five (5) years from the date of testing, a student who is tested and performs at or above the following standards that cannot be raised by institutions:

(A) On the eleventh grade exit-level Texas Assessment of Knowledge and Skills (TAKS) with a minimum scale score of 2200 on the math section and/or a minimum scale score of 2200 on the English Language Arts section with a writing subsection score of at least 3, shall

be exempt from the TSI Assessment required under this title for those corresponding sections; or

(B) STAAR end-of-course (EOC) with a minimum Level 2 score of 4000 on the English III shall be exempt from the TSI Assessment required under this title for both reading and writing, and a minimum Level 2 score of 4000 on the Algebra II EOC shall be exempt from the TSI Assessment required under this title for the mathematics section.

(C) GED:

- A minimum score of 165 on the Mathematical Reasoning subject test shall be exempt for mathematics.
- A minimum score of 165 on the Reasoning Through Language Arts (RLA) subject test shall be exempt for English Language Arts Reading (ELAR)

(D) HiSET:

- A minimum score of 15 on the Mathematics subtest shall be exempt for mathematics.
- A minimum score of 15 on the Reading subtest and a minimum score of 15 on the Writing subtest, including a minimum score of 4 on the essay, shall be exempt for English Language Arts Reading (ELAR)

- (4) A student who has graduated with an associate or baccalaureate degree from an institution of higher education.
- (5) A student who transfers to an institution from a private or independent institution of higher education or an accredited out-of-state institution of higher education and who has satisfactorily completed college-level coursework as determined by the receiving institution.
- (6) A student who has previously attended any institution and has been determined to have met readiness standards by that institution. For students meeting non-Algebra intensive readiness standards in mathematics as defined in §4.59(d)(1)(B) of this title (relating to Determination of Readiness to Perform Entry-Level Freshman Coursework), institutions may choose to require additional preparatory coursework/interventions for Algebra intensive courses, including MATH 1314/1324/1414 (or their local equivalent). It is the institution's responsibility to ensure that students are clearly informed of the consequences of successful completion of a mathematics pathways model which results in meeting the mathematics college readiness standard only for specific courses.
- (7) A student who is enrolled in a technical certificate program of one year or less (Level-One certificates, 42 or fewer semester credit hours or the equivalent) at a public junior college, a public technical institute, or a public state college.
- (8) A student who is serving on active duty as a member of the armed forces of the United States, the Texas National Guard, or as a member of a reserve component of the armed forces of the United States and has been serving for at least three years preceding enrollment.
- (9) A student who on or after August 1, 1990, was honorably discharged, retired, or released from active duty as a member of the armed forces of the United States or the Texas National Guard or service as a member of a reserve component of the armed forces of the United States.
- (10) A student who successfully completes a college preparatory course under Texas Education Code §28.014 is exempt for a period of twenty-four (24) months from the date of high school graduation with respect to the content area of the course. The student must enroll in the

- student's first college-level course in the exempted content area in the student's first year of enrollment in an institution of higher education. This exemption applies only at the institution of higher education that partners with the school district in which the student is enrolled to provide the course. Additionally, an institution of higher education may enter into a Memorandum of Understanding with a partnering institution of higher education to accept the exemption for the college preparatory course.
- (b) An institution may exempt a non-degree-seeking or non-certificate-seeking student.
  - (c) ESOL Waiver--An institution may grant a temporary waiver from the assessment required under this title for students with demonstrated limited English proficiency in order to provide appropriate ESOL/ESL coursework and interventions. The waiver must be removed after the student attempts 15 credit hours of developmental ESOL coursework or prior to enrolling in entry-level freshman coursework, whichever comes first, at which time the student would be administered the TSI Assessment. Funding limits as defined in Texas Education Code, §51.3062(1)(1) and (2) for developmental education still apply.
  - (d) Any student who has been determined to be exempt in mathematics, reading, and/or writing under subsection (a) or (b) of this section shall not be required to enroll in developmental coursework and/or interventions in the corresponding area of exemption.

Otherwise, all full-time and part-time students enrolled in a college-level certificate (see counselors for exceptions) or degree program must take the TSI Assessment for reading, writing, and mathematical skills.

Pre-collegiate courses, such as developmental reading, writing and math, are not counted in calculating the credit hours for meeting testing requirements. For further information please contact the Testing Center at (409) 882-3330.

Entering LSCO students who are not otherwise exempt must take the TSI Assessment. Students should contact Advising to determine if TSI testing will be required prior to enrolling in classes.

## LSCO Placement scores for the TSI Assessment

	College Ready	Developmental Education	Developmental Education beginning Fall 2021
Mathematics	350+ → MATH 1314 College Algebra or appropriate class for degree plan	336 and below → DMTH 0300  337-349 → DMTH 0301 Intro to Algebra  337-359 → DMTH 0302 Intermediate Algebra + NCBM 0102	336 and below → DMTH 0400  337-349 → DMTH 0401 Intro to Algebra  337-349 → DMTH 0312 + MATH 1332 or MATH 1342 OR DMTH 0314 + MATH 1314 + NCBM 102
Reading	351+	350 or below → DIRW 0400 Integrated Reading/Writing	350 and below Reading AND 339 and below AND/OR Essay Score below 4 → DIRW 0400 Integrated Reading/Writing
Writing	MC score of 340, and an essay score of 4+; or a MC score less than 340, and an ABE Diagnostic level of 4+, and an essay score of 5+.	MC score below 340, and/or an essay score below 4; or a MC score below 340, and/or an ABE Diagnostic level lower than 4 and/or an essay score of lower than 5.	350 or below Reading AND 340+ Writing MC with Essay 4+ → DIRW 0400 + ENGL 1301  351+ Reading AND 339 + Writing MC with Essay 4+ → DIRW 0401 + ENGL 1301  351+ Reading AND 340+ Writing MC with Essay below 4 → DIRW 0401 + ENGL 1301

## LSCO Placement scores for the TSIA2 Assessment

	College Ready	Developmental Education	Developmental Education beginning Fall 2021
Mathematics	CRC 950 or above <i>OR</i> CRC below 950 with Diagnostic level = 6	Diagnostic level 2 → DMTH 0300  Diagnostic level 3 → DMTH 0301 Intro to Algebra + NCBM 0101  Diagnostic level 4 or 5 → DMTH 0302 Intermediate Algebra + NCBM 0102	Diagnostic level 1-3 - DMTH 0400  Diagnostic level 4 or 5 ( <b>No College Level Math Needed</b> ) – DMTH 0401  Diagnostic level 4 or 5 (College Level Math Needed) – 1) DMTH 0312 + MATH 1332 + NCBM 0102; 2) DMTH 0312 + MATH 1342 + NCBM 0102; OR 3) DMTH 0314 + MATH 1314 + NCBM 0102
English Language Arts & Reading	CRC 945+ and Essay of 5+ <i>OR</i>	350 or below → DIRW 0400 Integrated Reading/Writing	Diagnostic level 2 or 3 → DIRW 0400

(ELAR)	CRC below 945 with Diagnostic level of 5+ AND Essay of 5+		Diagnostic level 4, 5, or 6→ DIRW 0401 + ENGL 1301
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## Courses blocked by TSI

Some academic courses are blocked from enrollment based on TSI requirements. In such instances, students must pass the appropriate section on an approved TSIA or TSIA2 test or complete the required corequisite course sequence in order to become eligible to enroll in the courses that are blocked. Blocked courses in each TSI area (reading, writing, and math) are outlined below:

### Students must be TSI complete in reading and writing in order to enroll in:

ENGL 1302 English Composition & Literature  
 ENGL 2307 Creative Writing  
 ENGL 2322 British Literature I  
 ENGL 2323 British Literature II  
 ENGL 2326 American Literature  
 ENGL 2331 World Literature  
 ENGL 2341 Forms of Literature  
 GOVT 2305 Federal Government  
 GOVT 2306 Texas Government  
 PSYC 2301 General Psychology  
 PSYC 2308 Child Psychology  
 PSYC 2314 Lifespan Growth and Development  
 SOCI 1301 Introductory Sociology  
 SOCI 1306 Social Problems  
 SOCI 2301 Marriage and the Family  
 SOCI 2306 Human Sexuality  
 SOCI 2326 Social Psychology  
 SOCI 2336 Criminology  
 SOCI 2340 Drug Use and Abuse

### Students must be TSI complete in mathematics in order to enroll in:

CHEM 1411 General Chemistry I  
 MATH 1316 Plane Trigonometry  
 MATH 1325 Calculus for Business & Social Sciences  
 MATH 1350 Fundamentals of Mathematics I  
 MATH 1351 Fundamentals of Mathematics II  
 MATH 2305 Discrete Mathematics  
 MATH 2312 Pre-Calculus Math  
 MATH 2413 Calculus I

## Graduation with Honors

To be designated as an honor graduate, a student must:

- have completed at least 30 semester hours at Lamar State College Orange; and
- have a grade point average of at least 3.5 for all coursework attempted at Lamar State College Orange and all attempted work at other institutions attended (cumulative GPA for all work taken).

A grade point average of 3.5-3.64 qualifies a student for "honors" (cum laude), 3.65-3.79 for "high honors" (magna cum laude) and 3.80-4.00 for "highest honors" (summa cum laude).

Grades earned the semester of graduation are included in the calculation of grade point averages for honors. Both diplomas and permanent records indicate graduation honors.

## Second Associate Degree

When two associate degrees are taken simultaneously or one has been taken previously, the second associate degree may be granted upon the completion of all required work for the second degree. However, a total of 15 semester hours above the number required for the degree having the greater semester hour requirements must be completed.

## Graduation under a Particular Catalog

A student normally is entitled to graduate under the degree provisions of the catalog in effect at the time of the first completed semester of enrollment with this exception: a catalog more than seven years old shall not be used (unless state law or state guidelines prohibit the practice).

The program of the student who interrupts enrollment for reasons other than involuntary military service for more than one calendar year shall be governed by the catalog in effect at the time of the student's re-entry to the college. The student who interrupts enrollment for involuntary military service must re-enroll within one year from the date of separation from military service in order for this provision to apply. For these purposes, enrollment shall be defined as registration for and successful completion of at least one course during an academic term. A student forced to withdraw for adequate cause before completion of a course may petition for a waiver of this provision at the time of withdrawal.

**The program of the student who changes a major from one department to another within the college shall be governed by the degree requirements in effect at the time the change of major becomes effective.**

At the discretion of the division dean, the student will be required to comply with all changes in the curriculum made subsequent to the year in which the student was enrolled. Deletions and additions of courses will be of approximate equal credit so that no student will have an overall appreciable increase of total credits required for graduation.

## Graduate Guarantee Policy

Lamar State College Orange guarantees that students who successfully complete two-year programs of study in technical fields will have the job skills for entry-level employment in the occupational fields for which they have been trained. Graduates with associate of applied science (AAS) degrees who are judged by their employers to lack these basic skills will be entitled to a maximum of twelve (12) additional credit hours of tuition-free training in their field of study.

The following conditions apply:

- The graduate must have earned the AAS degree beginning May 1993 or thereafter in a technical, vocational or occupational program published in the college catalog.
- The graduate must have completed the AAS degree at Lamar State College Orange with a minimum of 75 percent of the necessary credits earned at Lamar State College Orange and must have completed the degree program within a four-year time span from the date of initial enrollment.
- Graduates must be employed full-time in job fields directly related to their AAS programs of study as certified by the appropriate academic officer.
- Employment must commence within 12 months of graduation.
- The employer must certify in writing that the employee is lacking entry-level skills identified by Lamar State College Orange as program exit competencies and must specify the areas of deficiency within 90 days of the graduate's initial employment.
- The employer, graduate, division dean, and other appropriate academic officers will agree upon a written plan for educational retraining. Retraining will be limited to 12 credit hours related to the identified skill deficiency and to those classes regularly scheduled during the period covered by

the retraining plan.

- All retraining must be completed within a calendar year from the time the educational plan is agreed upon.
- The graduate and/or employer are responsible for all costs associated with enrollment except tuition. This includes fees, books, insurance, uniforms and other course-related expenses.
- The guarantee does not imply that a graduate will pass any licensing or qualifying examinations for a particular career.
- A graduate's sole remedy against the institution and its employees for skill deficiencies shall be limited to 12 hours of tuition-free education as outlined under the conditions described above.
- A request to implement the graduate guarantee policy can be initiated through a written contract with the President's Office within 90 days of the graduate's initial employment.

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# Degrees, Certificates and Institutional Awards

Degrees, Certificates, and Institutional Awards

Transfer and Articulation

General Graduation Requirements

Core Curriculum

## Degrees, Certificates, and Institutional Awards (General Information)

Lamar State College Orange offers courses that are equivalent in content and quality to freshman and sophomore courses at all Texas four-year colleges and universities. Students can complete programs of study, preparing them to transfer to four-year institutions or to seek immediate employment. Those students seeking personal enrichment, new, or updated job skills will also find what they need at Lamar State College Orange.

Lamar State College Orange is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award the associate of arts, associate of science, associate of applied science degrees, and certificates of completion. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by telephone 404-679-4500, or by visiting the website <http://www.sacscoc.org> for questions regarding the accreditation of Lamar State College Orange. Normal inquiries about the institution such as admission requirements, financial aid, education programs, etc., should be addressed directly to Lamar State College Orange and not to the Commission's office. The Commission should be contacted *only* if there is evidence that appears to support the institution's significant non-compliance with a requirement or standard of *The Principles of Accreditation: Foundations for Quality Enhancement*.

The college is approved by the Texas Education Agency for the training of veterans under all classifications. In addition, the Vocational Nursing and Upward Mobility Nursing Programs are accredited by the Texas Board of Nursing. The Pharmacy Technology Program is accredited by the American Society of Health-System Pharmacists. The Emergency Medical Services Program is certified by the Texas Department of State Health Services. The Process Operating Technology Program is accredited by the North American Process Technology Alliance.

### **Associate of Arts (AA) and Associate of Science (AS) Degrees**

AA and AS degrees are designed for transfer to four-year institutions and form the basis for several career options and majors. Students must select courses which provide the best preparation for transfer in a particular major field at the specific institution planned for transfer.

The AA and AS curricula include electives as well as required courses for particular concentrations of study. It is imperative that a transferring student work closely with an advisor to plan a successful program for the selected senior institution. Students pursuing Associate of Arts or Associate of Science degrees must meet the testing requirements of Texas Success Initiative (TSI).

### **Associate of Applied Science (AAS) Degrees**

Associate of Applied Science (AAS) degrees are intense programs of study designed to prepare students for employment after graduation. All programs are developed to ensure that students achieve competencies in job skills. Some courses may transfer to four-year institutions, but students planning to pursue bachelor degrees should work closely with advisors to plan for successful transfer of coursework. Requirements for the AAS degree include general education courses, specified courses in the chosen area of study, and a capstone or external learning experience course. Students pursuing Associate of Applied Science degrees must meet the testing requirements of the Texas Success Initiative (TSI).

### **Certificate of Completion (C)**

Certificate programs are traditionally one-year courses of study that provide specialized technical career training. Successful students develop essential skills and gain technical background that prepares them to enter the workforce. All technical certificate programs with 42 credit hours or less offered at Lamar State College Orange are waived from the testing requirements of the Texas Success Initiative (TSI).

## Institutional Awards (IA)

The college offers Institutional Awards reflecting a course or series of courses that represent achievement of marketable skills or meet a student's self-defined educational objective.

# Transfer and Articulation

All lower-division academic courses shall be fully transferable among public institutions in Texas. The Texas Higher Education Coordinating Board rules (*Chapter 5, Subchapter S, Section 5.390*) state:

## Requirements and Limitations

- Each institution of higher education shall identify in its undergraduate catalog each lower-division course that is substantially equivalent to an academic course listed in the current edition of the *Lower-Division Academic Course Guide Manual*.
- All colleges and universities must identify at least 42 semester credit hours of academic courses that are substantially equivalent to courses listed in the *Lower-Division Academic Course Guide Manual*, including those that fulfill the lower-division portion of the institution's core curriculum.
- All public colleges and universities must accept for credit successfully completed courses identified in the first two bullets above as applicable to an associate or baccalaureate degree in the same manner as credit awarded to non-transfer students in that major.
- Each institution shall be required to accept in transfer into a baccalaureate degree the number of lower-division credit hours in a major which are allowed for their non-transfer students in that major; however,
  - No institution shall be required to accept in transfer more credit hours in a major than the number set out in the applicable Coordinating Board approved Transfer Curriculum for that major, as prescribed by the current issue of the *Coordinating Board's Guide to Transfer Curricula and Transfer of Credit, Transfer of Credit Policies and Curricula*;
  - In any major for which there is no Coordinating Board-approved Transfer Curriculum, no institution shall be required to accept in transfer more lower-division course credit in the major applicable to a baccalaureate degree than the institution allows its non-transfer students in that major; and
  - A university may deny the transfer of credit in courses with a grade of "D" as applicable to the student's major.
- All senior institutions of higher education in Texas shall provide support services for transfer students equivalent to those provided to non-transfer students regularly enrolled at the institutions, including an orientation program for transfer students equivalent to that provided for entering freshmen.
- No university shall be required to accept in transfer or toward a degree more than 66 semester credit hours of academic credits earned by a student in a community college. Universities, however, may choose to accept additional credit hours.

## Resolution of Transfer Disputes for Lower-Division Courses

The following procedures shall be followed by public institutions of higher education in the resolution of credit transfer disputes involving lower-division courses:

- 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 is denied.
- A receiving institution shall also provide written notice of the reasons for denying credit for a particular course or set of courses at the request of the sending institution.
- A student who receives notice as specified above may dispute the denial of credit by contacting a designated official at either the sending or the receiving institution.
- The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with the Coordinating Board's rules and guidelines.

- 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 denial, the institution that denies the course credit for transfer shall notify the commissioner of its denial and the reasons for the denial.

The Commissioner of Higher Education or the commissioner's designee shall make the final determination about the dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.

## General Graduation Requirements

### Associate of Science and Associate of Arts Degrees

Students must meet the following requirements for an AS or AA degree:

- satisfy all admission requirements;
- have twenty-five (25) percent of the total semester hours required in residence at Lamar State College Orange with a minimum of twelve (12) hours from the 2000 level, sophomore classification or from core curriculum courses;
- attain 2.00 GPA (grade points/hours attempted) on all coursework completed at LSCO;
- attain no lower than a grade of "C" in each and every class in their major fields of study (concentration);
- have all transfer work evaluated on a credit basis only; transfer work will not be used to determine the LSCO GPA (credit will be awarded for a transfer grade of "D"; however, if the transferred course is on the degree plan under the major field of study, a grade of "C" must be attained);
- complete the required core curriculum;
- confer with the appropriate division director to establish a formal degree plan and complete the associate of science or the associate of arts degree program as prescribed;
- have no more than a total of fifteen (15) semester hours of credit by correspondence (maximum of 9) and/or credit by examination combined; and
- complete the ETS Proficiency Profile.
- be TSI complete in Reading, Writing, and Mathematics

Note: College prep (developmental) courses do not apply to any degree or certificate.

### Associate of Applied Science Degrees

Students must meet these requirements for an AAS degree:

- satisfy all admission requirements;
- have twenty-five (25) percent of the total semester hours required in residence at Lamar State College Orange with a minimum of twelve (12) hours from the 2000 level, sophomore classification or from core curriculum courses;
- attain 2.00 GPA (grade points/hours attempted) on all coursework completed at LSCO;
- attain no lower than a grade of "C" in each and every class in their major fields of study (concentration);
- have all transfer work evaluated on a credit basis only; transfer work will not be used to determine the GPA (credit will be awarded for a transfer grade of "D"; however, if the LSCO transferred course is on the degree plan under the major field of study, a grade of "C" must be attained);
- complete at least fifteen (15) credit hours of general education courses with a minimum of three credit hours in each of the following: natural science/mathematics, humanities/fine arts, and social sciences/behavioral sciences;
- Complete the associate of applied science degree program as prescribed; and
- have no more than a total of fifteen (15) semester hours of credit by correspondence (maximum of 9) and/or credit by examination combined.
- complete the ETS Proficiency Profile

- be TSI complete in Reading, Writing, and Mathematics

Note: College prep (developmental) courses do not apply to any degree or certificate.

### **Certificates of Completion and Institutional Awards**

Students must meet these requirements for a certificate of completion or institutional award:

- satisfy all admission requirements;
- complete an approved certificate or institutional award plan;
- have at least a 2.00 grade point average overall submitted on the certificate or institutional award plan;
- attain no lower than a "C" in each and every class in the major field of study; and
- have at least 60 percent of semester credit hours in residence at Lamar State College Orange.

Note: College prep (developmental) courses do not apply to any degree or certificate. All technical certificate programs with 42 credit hours or less offered at LSCO are waived from the testing requirements of the Texas Success Initiative (TSI).

# Core Curriculum

## Core Curriculum

If a student successfully completes the core curriculum, that block of courses may be transferred to any other Texas public institution of higher education and must be substituted for the receiving institution's core curriculum. A student shall receive academic credit for each of the courses transferred and may not be required to take additional core curriculum courses at the receiving institution.

A student who transfers without completing the core curriculum shall receive academic credit within the core curriculum of the receiving institution for each of the courses that the student has successfully completed in the core of the sending institution. The student may be required to satisfy the remaining course requirements in the core curriculum of the receiving institution.

A student completing an Associate of Science or an Associate of Arts degree must successfully complete the following core curriculum:

## LSCO 42-Hour Core Curriculum

THECB Component Area	Hours
Communication	6
Mathematics	3
Life and Physical Sciences	6
Language, Philosophy, and Culture	3
Creative Arts	3
American History	6
Government/Political Science	6
Social and Behavioral Sciences	3
Component Area Option	6
<b>Total Curriculum Hours</b>	<b>42</b>

## Core Curriculum Courses

<b>6 hours</b>		<b>Communication</b>	
<i>Choose two:</i>			
ENGL 1301 Composition I			
ENGL 1302 Composition II			
SPCH 1315 Public Speaking			
<b>3 hours</b>		<b>Mathematics</b>	
<i>Choose one:</i>			
MATH 1314 College Algebra		MATH 1342 Elementary Statistical Methods	
MATH 1324 Math for Business & Social Sciences I		MATH 2312 Pre-Calculus Math	
MATH 1332-Contemporary Mathematics I		MATH 2413 Calculus I*	
<b>6 hours</b>		<b>Life and Physical Sciences*</b>	
<i>Choose two:</i>			
BIOL 1406 Biology for Science Majors I		GEOL 1403 Physical Geology	
BIOL 1407 Biology for Science Majors II		GEOL 1404 Historical Geology	
BIOL 1408 Biology for Non-Science Majors I		CHEM 1406 Introductory Chemistry I	
BIOL 1409 Biology for Non-Science Majors II		CHEM 1407 Introductory Chemistry II	
BIOL 1411 General Botany		CHEM 1411 General Chemistry I	
BIOL 1413 General Zoology		CHEM 1412 General Chemistry II	
BIOL 2401 Anatomy and Physiology I		PHYS 1401 College Physics I	
BIOL 2402 Anatomy and Physiology II		PHYS 1405 Elementary Physics I	
BIOL 2406 Environmental Biology		PHYS 1407 Elementary Physics II	
		PHYS 2425 University Physics I	
<b>3 hours</b>		<b>Language, Philosophy, and Culture</b>	
<i>Choose one:</i>			
ENGL 2322 British Literature I		HIST 2321 World Civilizations I	
ENGL 2323 British Literature II		HIST 2322 World Civilizations II	
ENGL 2326 American Literature		HUMA 1315 Fine Arts Appreciation	
ENGL 2331 World Literature		PHIL 1301 Introduction to Philosophy	
ENGL 2341 Forms of Literature		SPAN 2311 Intermediate Spanish I	
<b>3 hours</b>		<b>Creative Arts</b>	
<i>Choose one from these options:</i>			
ARTS 1301 Art Appreciation			
DRAM 1310 Theater Appreciation			
MUSI 1306 Music Appreciation			
<b>6 hours</b>		<b>American History</b>	
<i>Choose two:</i>			
HIST 1301 United States History I		HIST 2301 Texas History	
HIST 1302 United States History II			
<b>6 hours</b>		<b>Government/Political Science</b>	
GOVT 2305 Federal Government			
GOVT 2306 Texas Government			
<b>3 hours</b>		<b>Social and Behavioral Sciences</b>	
<i>Choose one:</i>			
ECON 2301 Principles of Macroeconomics		GEOG 1302 Cultural Geography	
ECON 2302 Principles of Microeconomics		PSYC 2301 General Psychology	
GEOG 1301 Physical Geography		SOCI 1301 Introductory Sociology	
<b>6 hours</b>		<b>Component Area Option**</b>	
<i>Choose two:</i>			
BIOL 1406 Biology for Science Majors I		MATH 1314 College Algebra	
BIOL 1407 Biology for Science Majors II		MATH 1324 Math for Business & Social Sciences I	
BIOL 1408 Biology for Non-Science Majors I		MATH 1325 Calculus for Business/Social Science	
BIOL 1409 Biology for Non-Science Majors II		MATH 1332 Contemporary Mathematics I	
BIOL 1411 General Botany		MATH 1342 Elementary Statistical Methods	
BIOL 1413 General Zoology		MATH 1350 Mathematics for Teachers I	
BIOL 2401 Anatomy and Physiology I		MATH 1351 Mathematics for Teachers II	
BIOL 2402 Anatomy and Physiology II		MATH 2312 Pre-Calculus Math	
BIOL 2406 Environmental Biology		MATH 2413 Calculus I	
CHEM 1406 Introductory Chemistry I		PHYS 1401 College Physics I	
CHEM 1407 Introductory Chemistry II		PHYS 1405 Elementary Physics I	
CHEM 1411 General Chemistry I		PHYS 1407 Elementary Physics II	
		PHYS 2425 University Physics I	

CHEM 1412 General Chemistry II  
COSM 1301 Introduction to Computing  
ECON 2301 Macroeconomics  
ECON 2302 Microeconomics  
EDUC/PSYC 1300 Learning Framework  
ENGL 1302 Composition II  
GEOL 1403 Physical Geology  
GEOL 1404 Historical Geology

PSYC 2301 General Psychology  
PSYC 2314 Lifespan Growth and Development  
SOC 1301 Introductory Sociology  
SOC 1306 Social Problems  
SOC 2301 Marriage and the Family  
SPCH 1311 Introduction to Speech Communications  
SPCH 1315 Public Speaking  
SPCH 1318 Interpersonal Communications  
SPCH 1321 Business & Professional Communications

**42 Total Hours**

\*The one-hour lab course will be applied to the major component.

\*\* Any hours beyond the 6 required in the Component Area Option will be applied to the major component.



## Degrees, Certificates, and Institutional Awards

### Associate of Arts Degrees

[Communication](#)

[Liberal Arts](#)

[Sociology](#)

[Teaching](#) - Grades EC-6, 4-8, Special Ed EC-12 AAT1

[Teaching](#) - Grades 8-12, EC-12 AAT2

### Associate of Applied Science Degrees

[Business Management](#)

[General Business with Area Concentrations](#)

[Industrial Technology](#)

[Information Technology Support Specialist](#)

[Instrumentation](#)

[Process Operating Technology](#)

[Registered Nursing](#)

### Associate of Science Degrees

[Biology-Medical Profession Emphasis](#)

[Business](#)

[Computer Information Systems](#)

[Computer Science](#)

[Criminal Justice](#)

[Natural Science](#)

### Certificates of Completion

[Academic Certificate in General Studies](#)

[Business Accounting Management](#)

[Business Construction Management](#)

[Business Operations](#)

[Business Real Estate Management](#)

[CISCO Networking/Cybersecurity Technician](#)

[Criminal Justice](#)

[Criminal Justice Law Enforcement](#)

[Dental Assisting](#)

[Emergency Medical Technology Basic](#)

[Emergency Medical Technology Intermediate](#)

[Entrepreneurship](#)

[Information Technology Cybersecurity Specialist](#)

[Information Technology Support Assistant – Network Specialist](#)

[Information Technology Support Assistant - Software Development](#)

[Instrumentation](#)

[Medical Assistant](#)

[Ordinary Seaman I](#)

[Ordinary Seaman II](#)

[Ordinary Seaman III](#)

[Pharmacy Technology](#)

[Process Technology](#)

[Safety, Health and Environmental](#)

[Vocational Nursing](#)

[Welding Technology](#)

<b>Institutional Awards</b>
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<a href="#">Pharmacy Technology</a>
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<b>Continuing Education Programs</b>
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Commercial Driver's License
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<a href="#">Court Reporting</a>
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Maritime
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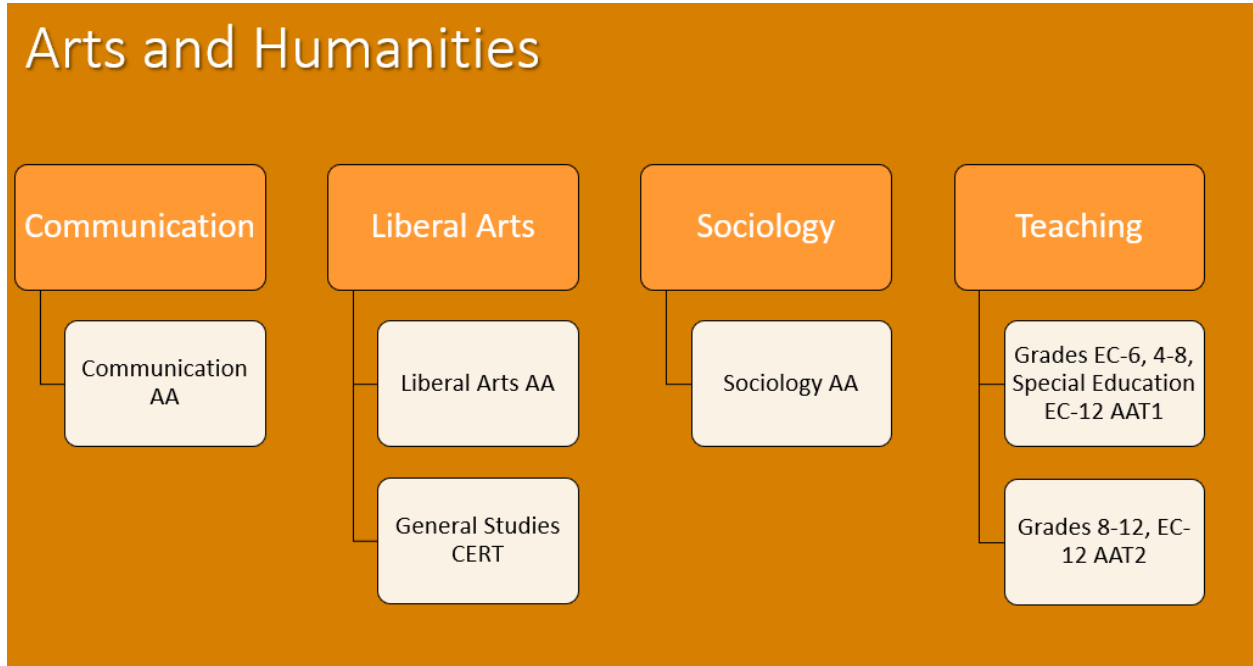
<a href="#">Massage Therapy</a>
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Phlebotomy
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## **Lamar State College Orange Pathways**

- **Arts and Humanities**
- **Business**
- **Health Professions**
- **Industry and Manufacturing**
- **Public Service**
- **Science, Technology, Engineering, and Mathematics**

# Arts and Humanities Pathway



# Communication

## Associate of Arts Degree

This degree is recommended for students who plan to pursue Bachelor of Arts degrees in communication. This is a recommended curriculum only. Some courses may be taken in different order and students do not have to complete the degree in four semesters.

<b>First Semester</b>		<b>Credit Hours</b>
ENGL 1301 Composition I		3
COMPONENT AREA OPTION*		3
LIFE AND PHYSICAL SCIENCES*		4
AMERICAN HISTORY*		3
SOCIAL AND BEHAVIORAL SCIENCES*		3
	Semester Hours	16
<b>Second Semester</b>		
SPCH 1318 Interpersonal Communication		3
CREATIVE ARTS*		3
APPROVED ACADEMIC ELECTIVE*		3
AMERICAN HISTORY*		3
LIFE AND PHYSICAL SCIENCES*		4
	Semester Hours	16
<b>Third Semester</b>		
APPROVED ACADEMIC ELECTIVE*		3
GOVT 2305 Federal Government		3
SPCH 2335 Argumentation and Debate		3
MATHEMATICS*		3
SPCH 1315 Public Speaking*		3
	Semester Hours	15
<b>Fourth Semester</b>		
APPROVED ACADEMIC ELECTIVE		3
SPCH 2341 Oral Interpretation		3
LANGUAGE, PHILOSOPHY, AND CULTURE*		3
GOVT 2306 Texas Government*		3
APPROVED ACADEMIC ELECTIVE*		1
	Semester Hours	13
<b>Total Program Hours</b>		<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

### Suggested options:

*American History* - HIST 1301, HIST 1302, or HIST 2301

*Approved Academic Elective* – See Academic Dean or Communications Program Director

*Component Area Option* – EDUC 1300 or SPCH 1311

*Creative Arts* - ARTS 1301, DRAM 1310, or MUSI 1306

*Language, Philosophy, and Culture* - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341, HIST 2321, HIST 2322, HUMA 1315, PHIL 1301, or SPAN 2311

*Life and Physical Sciences* - BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 2401,

BIOL 2402, BIOL 2406, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, GEOL 1403, GEOL 1404, PHYS 1401, PHYS 1405, PHYS 1407, or PHYS 2425

*Mathematics* - MATH 1314, MATH 1324, MATH 1332, MATH 1342, or MATH 2312

*Social and Behavioral Sciences* - ECON 2301, ECON 2302, GEOG 1301, GEOG 1302, PSYC 2301, or SOCI 1301

*See core curriculum for complete list of course options.*

## Liberal Arts

### Associate of Arts Degree

This degree is recommended for students who plan to pursue Bachelor of Arts or Bachelor of Science degrees in fields for which no specific associate degree is offered. This is a recommended curriculum only. Some courses may be taken in different order and students do not have to complete the degree in four semesters.

First Semester	Credit Hours
ENGL 1301 Composition I	3
GOVT 2305 Federal Government	3
LIFE AND PHYSICAL SCIENCES*	4
APPROVED ACADEMIC ELECTIVE*	3
Semester Hours	13
Second Semester	
COMMUNICATION*	3
AMERICAN HISTORY*	3
CREATIVE ARTS*	3
LIFE AND PHYSICAL SCIENCES*	4
COMPONENT AREA OPTION*	3
Semester Hours	16
Third Semester	
GOVT 2306 Texas Government	3
MATHEMATICS*	3
LANGUAGE, PHILOSOPHY, AND CULTURE*	3
COMPONENT AREA OPTION*	3
APPROVED ACADEMIC ELECTIVE*	3
Semester Hours	15
Fourth Semester	
AMERICAN HISTORY*	3
SOCIAL AND BEHAVIORAL SCIENCES*	3
APPROVED ACADEMIC ELECTIVE*	3
APPROVED ACADEMIC ELECTIVE*	3
APPROVED ACADEMIC ELECTIVE*	4
Semester Hours	15
<b>Total Program Hours</b>	<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

#### Suggested options:

*American History* - HIST 1301, HIST 1302, or HIST 2301

*Communication* - ENGL 1301, ENGL 1302, SPCH 1315

*Component Area Option* - BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 1411, BIOL 1413, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1407, CHEM 1411, CHEM 1412, COSC 1301, ECON 2301, ECON 2302, EDUC 1300, ENGL 1302, GEOL 1403, GEOL 1404, MATH 1314, MATH 1324, MATH 1325, MATH 1332, MATH 1342, MATH 1350, MATH 1351, MATH 2312, MATH 2413, PHYS 1401, PHYS 1405, PHYS 1407, PHYS 2425, PSYC 2301, PSYC 2314, SOCI 1301, SOCI 1306, SOCI 2301, SPCH 1311, SPCH 1315, SPCH 1318, SPCH 1321

*Creative Arts* - ARTS 1301, DRAM 1310, or MUSI 1306

*Language, Philosophy, and Culture* - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341, HIST 2321, HIST 2322, HUMA 1315, PHIL 1301, or SPAN 2311

*Life and Physical Sciences* - BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, GEOL 1403, GEOL 1404, PHYS 1401, PHYS 1405, PHYS 1407, or PHYS 2425

*Mathematics* - MATH 1314, MATH 1324, MATH 1332, MATH 1342, or MATH 2312

*Social and Behavioral Sciences* - ECON 2301, ECON 2302, GEOG 1301, GEOG 1302, PSYC 2301, or SOCI 1301

*See core curriculum for complete list of course options.*

# General Studies

## Certificate of Completion

This certificate is designed for students who do not desire to complete an associate's degree but wish to transfer their core class work to serve as a foundation for the Bachelor of Arts or Bachelor of Science degrees at a public university in the state of Texas. Students earning this certificate will be guaranteed full transferability of core curriculum courses to public institutions as per the Texas legislative mandate.

First Semester		Credit Hours
COMMUNICATION*		3
GOVT 2305 Federal Government		3
MATHEMATICS*		3
COMPONENT AREA OPTION*		3
CREATIVE ARTS*		3
	Semester Hours	15
Second Semester		Credit Hours
COMMUNICATION*		3
GOVT 2306 Texas Government		3
AMERICAN HISTORY*		3
LANGUAGE, PHILOSOPHY, AND CULTURE*		3
LIFE AND PHYSICAL SCIENCES*		3
	Semester Hours	15
Third Semester		Credit Hours
AMERICAN HISTORY*		3
LIFE AND PHYSICAL SCIENCES*		3
SOCIAL AND BEHAVIORAL SCIENCES*		3
COMPONENT AREA OPTION*		3
	Semester Hours	12
	<b>Total Program Hours</b>	<b>42</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

### Suggested options:

**American History** - HIST 1301, HIST 1302, or HIST 2301

**Communication** – ENGL 1301, ENGL 1302, SPCH 1315

**Component Area Option** – BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 1411, BIOL 1413, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1407, CHEM 1411, CHEM 1412, COSC 1301, ECON 2301, ECON 2302, EDUC 1300, ENGL 1302, GEOL 1403, GEOL 1404, MATH 1314, MATH 1324, MATH 1325, MATH 1332, MATH 1342, MATH 1350, MATH 1351, MATH 2312, MATH 2413, PHYS 1401, PHYS 1405, PHYS 1407, PHYS 2425, PSYC 2301, PSYC 2314, SOCI 1301, SOCI 1306, SOCI 2301, SPCH 1311, SPCH 1315, SPCH 1318, SPCH 1321

**Creative Arts** - ARTS 1301, DRAM 1310, or MUSI 1306

**Language, Philosophy, and Culture** - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341, HIST 2321, HIST 2322, HUMA 1315, PHIL 1301, or SPAN 2311

**Life and Physical Sciences** - BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, GEOL 1403, GEOL 1404, PHYS 1401, PHYS 1405, PHYS 1407, or PHYS 2425

**Mathematics** - MATH 1314, MATH 1324, MATH 1332, MATH 1342, or MATH 2312

**Social and Behavioral Sciences** - ECON 2301, ECON 2302, GEOG 1301, GEOG 1302, PSYC 2301, or SOCI 1301

## Sociology

### Associate of Arts Degree

This degree is recommended for students who plan to pursue Bachelor of Arts degrees in sociology. This is a recommended curriculum only. Some courses may be taken in a different order and students do not have to complete the degree in four semesters.

First Semester		Credit Hours
ENGL 1301 Composition I		3
SOCI 1301 Introductory Sociology		3
SOCI 1306 Social Problems		3
AMERICAN HISTORY*		3
CREATIVE ARTS*		3
Semester Hours		15
Second Semester		
LANGUAGE, PHILOSOPHY, AND CULTURE*		3
COMMUNICATION*		3
SOCI 2301 Marriage and Family		3
AMERICAN HISTORY*		3
LIFE AND PHYSICAL SCIENCES*		4
Semester Hours		16
Third Semester		
GOVT 2305 Federal Government		3
SOCI 2306 Human Sexuality		3
COMPONENT AREA OPTION*		3
MATH 1332 Contemporary Mathematics Or MATH 1342 Elementary Statistical Methods		3
LIFE AND PHYSICAL SCIENCES*		4
Semester Hours		16
Fourth Semester		
SOCI 2319 Minority Studies		3
GOVT 2306 Texas Government		3
COMPONENT AREA OPTION*		3
ACADEMIC ELECTIVE*		3
ACADEMIC ELECTIVE*		1
Semester Hours		13
<b>Total Program Hours</b>		<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

#### Suggested options:

*Academic Elective* – ANTH 2351, CRIJ 1307, SOCI 2326

*American History* - HIST 1301, HIST 1302, or HIST 2301

*Communication* - ENGL 1302 or SPCH 1315

*Component Area Option* – COSC 1301, EDUC 1300, ENGL 1302, MATH 1332, MATH 1342, PSYC 2301, PSYC 2314, or SPCH 1315

*Creative Arts* - ARTS 1301, DRAM 1310, or MUSI 1306

*Language, Philosophy, and Culture* - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341, HIST 2321, HIST 2322, HUMA 1315, PHIL 1301, or SPAN 2311

*Life and Physical Sciences* - BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, GEOL 1403, GEOL 1404, PHYS 1401, PHYS 1405, PHYS 1407, or PHYS 2425

*See core curriculum for complete list of course options.*



# Teaching

## *Associate of Arts in Teaching Degrees*

The Associate of Arts in Teaching (AAT) degree is a State Board-Approved collegiate degree program consisting of lower-division courses intended for transfer to baccalaureate programs that lead to initial Texas teacher certification. The AAT degree is fully transferable to any Texas public university offering baccalaureate degree programs leading to initial teacher certification.

Because the AAT fulfills the requirements of the field of study curriculum statutes and the Texas Higher Education Coordinating Board rules, all Texas public universities must accept the AAT curricula if they offer the applicable baccalaureate degrees leading to initial teacher certification. The program includes a lab component in which the student will spend at least 16 hours observing in a PK-12 school.

The AAT is fully sanctioned by the Texas Higher Education Coordinating Board as a field of study for students interested in pursuing a degree in education which will lead to teacher certification. It offers an avenue to “grow our own” future teachers in an effort to help the shortage of teachers in Texas.

Some courses may be taken in different order, and students do not have to complete the degree in four semesters. Students in college prep will require a different course sequence. All interested students should see the Academic Dean for degree plans. Students planning to teach in a specific discipline should check with the Education Program Director to select the appropriate electives in the field of study. (See programs of study on the following pages.)

Some courses within the AAT programs require students to complete hours of field experience and observation in P-12 classrooms. Students will be responsible for completing background checks prior to being admitted in to observe classrooms. Transportation to and from P-12 classrooms is the responsibility of the student.

**NOTE: Criminal history MAY disqualify individuals from volunteering, substitute teaching, and/or obtaining or maintaining teaching certifications.** The State Board of Educator Certification (SBEC) requires all applicants to submit fingerprints for a national criminal history background check.

This includes applicants for a:

- Standard teaching certificate
- Probationary certificate
- Educational aide certificate
- One-year certificate
- Temporary teaching certificate
- Permit

Individuals who have been convicted of an offense or placed on probation might not be eligible to volunteer, substitute teach, or become certified by the Texas SBEC even after completing an educational or training program. SBEC’s criminal history guidelines are available at:

<https://tea.texas.gov/texas-educators/investigations/fingerprinting/fingerprinting-for-certificate-applicants>

# Teaching

## *Grades EC-6, 4-8, Special Ed. EC-12*

### *Associate of Arts in Teaching Degree (AATI)*

First Semester		Credit Hours
EDUC 1301 Introduction to the Teaching Profession		3
ENGL 1301 Composition I		3
MATH 1314 College Algebra		3
COMPONENT AREA OPTION*		3
HIST 1301 United States History I		3
Semester Hours		15
Second Semester		
EDUC 2301 Introduction to Special Populations		3
ENGL 1302 Composition II		3
GOVT 2305 Federal Government		3
HIST 1302 United States History II		3
BIOL 1408 Biology for Non-Science Majors I		4
Semester Hours		16
Third Semester		
GOVT 2306 Texas Government		3
SPCH 1315 Public Speaking		3
MATH 1350 Mathematics for Teachers I		3
LIFE AND PHYSICAL SCIENCES*		4
Semester Hours		13
Fourth Semester		
CREATIVE ARTS*		3
LANGUAGE, PHILOSOPHY, AND CULTURE*		3
SOCIAL AND BEHAVIORAL SCIENCES*		3
MATH 1351 Mathematics for Teachers II		3
LIFE AND PHYSICAL SCIENCES*		4
Semester Hours		16
<b>Total Program Hours</b>		<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

**Suggested options:**

**Approved Concentration Option** – See program director for concentration options

**Communication** – ENGL 1301, ENGL 1302, SPCH 1315

**Component Area Option** – BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, COSC 1301, EDUC 1300, ENGL 1302, GEOL 1403, GEOL 1404, MATH 1314, MATH 1324, MATH 1325, MATH 1332, MATH 1342, MATH 1350, MATH 1351, MATH 2312, MATH 2413, PHYS 1401, PHYS 1407, PHYS 2425, PSYC2301, PSYC 2314, SPCH 1311, SPCH 1315, SPCH 1318

**Creative Arts** - ARTS 1301, DRAM 1310, or MUSI 1306

**Language, Philosophy, and Culture** - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, or ENGL 2341

**Life and Physical Sciences** - BIOL 1406, BIOL 1407, BIOL 1409, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, GEOL 1403, or GEOL 1404

**Social and Behavioral Sciences** - PSYC 2301 or SOCI 1301

*See core curriculum for complete list of course options.*

# Teaching

*Grades 8-12, EC-12 (Art, Music, Physical Education, Health, Theater Arts, Technology Application, and Languages Other Than English, excluding Special Education)*

*Associate of Arts in Teaching Degree (AAT2)*

<b>First Semester</b>		<b>Credit Hours</b>
EDUC 1301 Introduction to the Teaching Profession		3
ENGL 1301 Composition I		3
MATH 1314 College Algebra		3
HIST 1301 United States History I		3
SPCH 1315 Public Speaking		3
Semester Hours		15
<b>Second Semester</b>		
EDUC 2301 Introduction to Special Populations		3
ENGL 1302 Composition II		3
GOVT 2305 Federal Government		3
HIST 1302 United States History II		3
BIOL 1408 Biology for Non-Science Majors I		4
Semester Hours		16
<b>Third Semester</b>		
GOVT 2306 Texas Government		3
ACADEMIC SUBJECT AREA ELECTIVE*		3
CREATIVE ARTS*		3
LIFE AND PHYSICAL SCIENCES*		4
Semester Hours		13
<b>Fourth Semester</b>		
ACADEMIC SUBJECT AREA ELECTIVE*		4
LANGUAGE, PHILOSOPHY, AND CULTURE*		3
SOCIAL AND BEHAVIORAL SCIENCES*		3
COMPONENT AREA OPTION*		3
ACADEMIC SUBJECT AREA ELECTIVE*		3
Semester Hours		16
<b>Total Program Hours</b>		<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

**Suggested options:**

*Academic Subject Area Elective* – See program director for concentration options

*Component Area Option* – EDUC 1300, PSYC 2314

*Creative Arts* - ARTS 1301, DRAM 1310, or MUSI 1306

*Language, Philosophy, and Culture* - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, or ENGL 2341

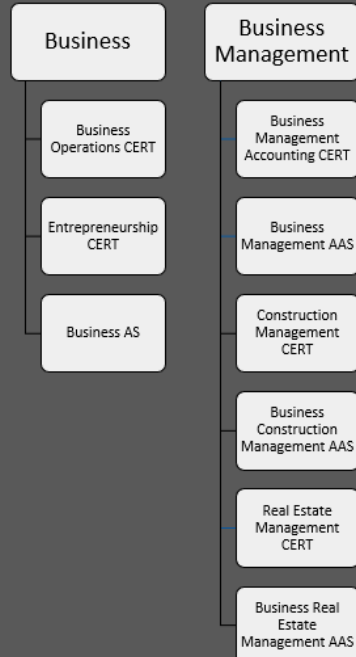
*Life and Physical Sciences* - BIOL 1406, BIOL 1407, BIOL 1409, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, GEOL 1403, or GEOL 1404

*Social and Behavioral Sciences* - PSYC 2301 or SOCI 1301

*See core curriculum for complete list of course options.*

# Business Pathway

## Business



# Business Operations

## *Certificate of Completion*

This program is designed to provide students with the skills necessary for success in customer service environments. All courses can be transferred and applied into the Associate of Applied Science degree program in Business Accounting Management.

<b>First Semester</b>		<b>Credit Hours</b>
BMGT 1301 Supervision		3
BUSI 1301 Business Principles <i>OR</i> BUSG 1301 Introduction to Business		3
Semester Hours		6
<b>Second Semester</b>		
COSC 1301 Introduction to Computing		3
MRKG 1301 Customer Relationship Management		3
BUSI 2304 Business Report Writing & Correspondence <i>OR</i> EDUC 1300 Learning Framework		3
Semester Hours		9
<b>Total Program Hours</b>		<b>15</b>

# Entrepreneurship

## *Certificate of Completion*

The program introduces individuals to fields essential to small business management, including accounting, economics, finance, management, and marketing. Computer and bookkeeping-accounting systems will also be presented. These skills are also useful to individuals working within large corporate environments.

All courses can be transferred into the Associate of Applied Science degree program in Business Accounting Management.

<b>First Semester</b>		<b>Credit Hours</b>
ACCT 2301 Principles of Financial Accounting		3
BMGT 1301 Supervision		3
BUSI 1301 Business Principles <i>OR</i> BUSG 1301 Introduction to Business		3
BUSI 2301 Business Law		3
COSC 1301 Introduction to Computing		3
	Semester Hours	15
<b>Second Semester</b>		
ACCT 2302 Principles of Managerial Accounting		3
ACNT 1311 Introduction to Computerized Accounting		3
◊BUSG 2309 Small Business Management/Entrepreneurship		3
ECON 2301 Principles of Macroeconomics		3
BUSI 2304 Business Report Writing & Correspondence		3
MRKG 1311 Principles of Marketing		3
	Semester Hours	18
	<b>Total Program Hours</b>	<b>33</b>

◊Capstone Course

# Business

## Associate of Science Degree

This two-year academic degree prepares individuals to be entry-level business professionals, supervisors, managers, and may transfer to a four-year university. This is a recommended curriculum only.

<b>First Semester</b>		<b>Credit Hours</b>
ACCT 2301 Principles of Financial Accounting		3
BUSI 1301 Business Principles		3
COMPONENT AREA OPTION*		3
ENGL 1301 Composition I		3
AMERICAN HISTORY*		3
	Semester Hours	15
<b>Second Semester</b>		
ACCT 2302 Principles of Managerial Accounting		3
SPCH 1315 Public Speaking OR SPCH 1321 Business & Professional Communication		3
ECON 2301 Principles of Macroeconomics		3
ENGL 1302 Composition II		3
AMERICAN HISTORY*		3
	Semester Hours	15
<b>Third Semester</b>		
GOVT 2305 Federal Government		3
BUSI 1307 Personal Finance		3
MATH 1324 Mathematics for Business & Social Sciences		3
ECON 2302 Principles of Microeconomics*		3
LIFE AND PHYSICAL SCIENCES*		4
	Semester Hours	16
<b>Fourth Semester</b>		
GOVT 2306 Texas Government		3
APPROVED ELECTIVE*		1
LANGUAGE, PHILOSOPHY, AND CULTURE*		3
CREATIVE ARTS*		3
LIFE AND PHYSICAL SCIENCES*		4
	Semester Hours	14
	<b>Total Program Hours</b>	<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

### Suggested options:

*American History* – HIST 1301, HIST 1302, or HIST 2301

*Approved Academic Elective* – See Academic Dean or Business Program Director

*Creative Arts* – ARTS 1301, DRAM 1310, or MUSI 1306

*Component Area Option* – COSC 1301, EDUC 1300, or SPCH 1321

*Language, Philosophy, and Culture* – ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341, HIST 2321, HIST 2322, HUMA 1315, PHIL 1301, or SPAN 2311

*Life and Physical Sciences* – BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, GEOL 1403, GEOL 1404, PHYS 1401, PHYS 1405, PHYS 1407, or PHYS 2425

*See core curriculum for complete list of course options.*

# Business Management

## *Associate of Applied Science Degree*

This two-year program prepares individuals for careers as business professionals, supervisors, managers or small business owners. The curriculum is designed for students who want to take the business and technical courses necessary to enter the workforce and begin careers with the option to take the general academic courses associated with a four-year Bachelor of Applied Arts and Sciences degree at a later time.

<b>First Semester</b>		<b>Credit Hours</b>
ACCT 2301 Principles of Financial Accounting		3
BMGT 1301 Supervision		3
BUSI 1301 Business Principles <i>OR</i> BUSG 1301 Introduction to Business		3
COSC 1301 Introduction to Computing		3
ECON 2301 Principles of Macroeconomics		3
	Semester Hours	15
<b>Second Semester</b>		
ACCT 2302 Principles of Managerial Accounting		3
ACNT 1311 Introduction to Computerized Accounting		3
ECON 2302 Principles of Microeconomics		3
ENGL 1301 Composition I		3
ITSW 1304 Introduction to Spreadsheets		3
	Semester Hours	15
<b>Third Semester</b>		
BUSI 1307 Personal Finance		3
BUSI 2301 Business Law		3
MRKG 1301 Customer Relationship Management		3
BUSI 2304 Business Report Writing and Correspondence		3
COMMUNICATION* or COMPONENT AREA OPTION		3
	Semester Hours	15
<b>Fourth Semester</b>		
<sup>o</sup> BMGT 2341 Strategic Management		3
BUSG 2309 Small Business Management		3
MRKG 1311 Principles of Marketing or ACNT 1329 Payroll and Business Tax Accounting		3
LANGUAGE, PHILOSOPHY, AND CULTURE* or CREATIVE ARTS*		3
MATHEMATICS*		3
	Semester Hours	15
<b>Total Program Hours</b>		<b>60</b>

<sup>o</sup>Capstone Course

**Suggested options:**

**Communication** - ENGL 1301, ENGL 1302, or SPCH 1315

**Component Area Option** – COSC 1301, EDUC 1300, or SPCH 1321

**Creative Arts** - ARTS 1301, DRAM 1310, or MUSI 1306

**Language, Philosophy, and Culture** - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341, HIST 2321, HIST 2322, HUMA 1315, PHIL 1301, or SPAN 2311

**Mathematics** - MATH 1314, MATH 1324, MATH 1332, MATH 1342, MATH 2312, or MATH 2413

See core curriculum for complete list of course options.



# Business Management Accounting

## *Certificate of Completion*

This one-year certificate program is designed to provide students with the accounting, computer, and business knowledge needed for accounting positions in both the private and public business sectors. Principles addressed are applicable to sole proprietorships, partnerships, and corporations as well as service, merchandising, and manufacturing firms.

<b>First Semester</b>		<b>Credit Hours</b>
ACCT 2301 Principles of Financial Accounting		3
ACNT 1329 Payroll and Business Tax Accounting		3
BMGT 1301 Supervision <i>OR</i> BUSG 1301 Introduction to Business		3
BUSI 1301 Business Principles		3
COSC 1301 Introduction to Computers		3
	Semester Hours	15
<b>Second Semester</b>		
ACCT 2302 Principles of Managerial Accounting		3
◊ACNT 1311 Introduction to Computerized Accounting		3
BUSI 2304 Business Report Writing & Correspondence		3
ITSW 1304 Introduction to Spreadsheets		3
MRKG 1301 Customer Relations Management		3
	Semester Hours	15
	<b>Total Program Hours</b>	<b>30</b>

◊Capstone Course

# Construction Management

## *Certificate of Completion*

This one-year certificate program is designed to provide students with the safety, regulatory, construction, industry, and business knowledge needed for construction managerial positions in residential, commercial, and industrial projects. Construction managers coordinate and supervise a variety of projects including building structures as well as roads and bridges. They oversee the construction phase of a project, including personnel, and may also consult with the client during the design phase to help refine construction plans and control costs.

All courses within the LSCO Business Construction Management Certificate are applied to the LSCO Business Construction Management AAS Degree.

<b>First Semester</b>	<b>Credit Hours</b>
CNBT 1210 Basic Construction Safety	2
CNBT 1300 Residential and Light Commercial Construction Drawings	3
CNBT 1342 Building Codes and Inspections	3
CNBT 1346 Construction Estimating I	3
CNBT 1411 Construction Materials and Methods I	4
CNBT 2344 Construction Management II	3
<b>Total Program Hours</b>	<b>18</b>

***\*\*Scheduled to begin Spring 2022 – Pending Accreditation Approval***

# Business Construction Management

## *Associate of Applied Science Degree*

This two-year program provides students with the safety, regulatory, construction, industry, and business knowledge needed for construction managerial positions in residential, commercial, and industrial projects. Construction managers coordinate and supervise a variety of projects including building structures as well as roads and bridges. They oversee the construction phase of a project, including personnel, and may also consult with the client during the design phase to help refine construction plans and control costs.

The curriculum is designed for students who want to take the business and technical courses necessary to enter the workforce and begin careers with the option to take the general academic courses associated with a four-year Bachelor of Applied Arts and Sciences degree at a later time.

All courses within the LSCO Business Construction Management Certificate are applied to the LSCO Business Construction Management AAS Degree.

<b>First Semester</b>		Credit Hours
CNBT 1210 Basic Construction Safety		2
CNBT 1300 Residential and Light Commercial Construction Drawings		3
CNBT 1342 Building Codes and Inspections		3
CNBT 1346 Construction Estimating I		3
CNBT 1411 Construction Materials and Methods I		4
CNBT 2344 Construction Management II		3
	Semester Hours	60
<b>Second Semester</b>		
BUSI 1307 Personal Finance		3
BUSI 1301 Business Principles <i>OR</i> BUSG 1301 Introduction to Business		3
MRKG 1311 Principles of Marketing Or MRKG 1301 Customer Relationship Management		3
BUSI 2304 Business Report Writing and Correspondence		3
ENGL1301 Composition I		3
	Semester Hours	15
<b>Third Semester</b>		
ACCT 2301 Principles of Financial Accounting		3
BMGT 1301 Supervision		3
BUSI2301 Business Law		3
ECON 2301 Principles of Macroeconomics		3
COSC 1301 Introduction to Computing		3
	Semester Hours	15
<b>Fourth Semester</b>		
ACCT 2302 Principles of Managerial Accounting		3
ECON 2302 Principles of Microeconomics		3
MATH 1324 Math for Business		3
<sup>o</sup> BUSG 2309 Small Business Management		3
	Semester Hours	12
	<b>Total Program Hours</b>	<b>60</b>

<sup>o</sup>Capstone Course

**\*\*Scheduled to begin Spring 2022 – Pending Accreditation Approval**

# Real Estate Management

## *Certificate of Completion*

This program prepares individuals for careers as a property, real estate, or community association managers. As business professionals, supervisors, managers or small business owners. The curriculum is designed for students who want to take the business and technical courses necessary to enter the workforce and begin careers with the option to take the general academic courses associated with a four-year Bachelor of Applied Arts and Sciences degree at a later time.

All courses within the LSCO Business Real Estate Management Certificate are applied to the LSCO Business Real Estate Management AAS Degree.

First Semester	Credit Hours
RELE 1301 Principles of Real Estate I <i>OR</i> BUSG 1301 Introduction to Business	3
RELE 1338 Principles of Real Estate II	3
RELE 1319 Real Estate Finance	3
RELE 1311 Law of Contracts	3
RELE 2301 Law of Agency	3
RELE 1300 Contract Forms and Addenda	3
<b>Total Program Hours</b>	<b>18</b>

**\*\*Scheduled to begin Spring 2022 – Pending Accreditation Approval**

# Business Real Estate Management

## *Associate of Applied Science Degree*

This two-year program prepares individuals for careers as a property, real estate, or community association managers. As business professionals, supervisors, managers or small business owners. The curriculum is designed for students who want to take the business and technical courses necessary to enter the workforce and begin careers with the option to take the general academic courses associated with a four-year Bachelor of Applied Arts and Sciences degree at a later time.

All courses within the LSCO Business Real Estate Management Certificate are applied to the LSCO Business Real Estate Management AAS Degree.

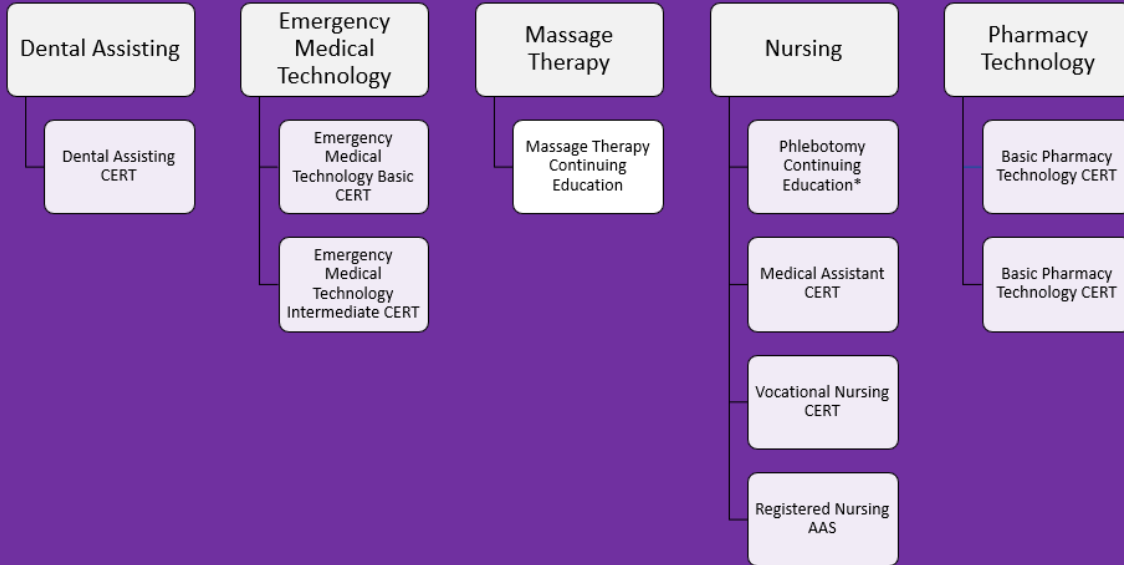
<b>First Semester</b>	<b>Credit Hours</b>
RELE 1301 Principles of Real Estate I	3
RELE 1338 Principles of Real Estate II	3
RELE 1319 Real Estate Finance	3
RELE 1311 Law of Contracts	3
RELE 2301 Law of Agency	3
RELE 1300 Contract Forms and Addenda	3
Semester Hours	18
<b>Second Semester</b>	
BUSI 1307 Personal Finance	3
BUSI 1301 Business Principles <i>OR</i> BUSG 1301 Introduction to Business	3
MRKG 1311 Principles of Marketing Or MRKG 1301 Customer Relationship Management	3
BUSI 2304 Business Report Writing and Correspondence	
ENGL1301 Composition I	3
Semester Hours	15
<b>Third Semester</b>	
ACCT 2301 Principles of Financial Accounting	3
BMGT 1301 Supervision	3
BUSI 2301 Business Law	3
ECON 2301 Principles of Macroeconomics	3
COSC 1301 Introduction to Computing	3
Semester Hours	15
<b>Fourth Semester</b>	
ACCT 2302 Principles of Managerial Accounting	3
ECON 2302 Principles of Microeconomics	3
MATH 1324 Math for Business	3
◊BUSG 2309 Small Business Management	3
Semester Hours	12
<b>Total Program Hours</b>	<b>60</b>

◊Capstone Course

**\*\*Scheduled to begin Spring 2022 – Pending Accreditation Approval**

# Health Professions Pathway

## Health Professions



# Dental Assisting

## *Certificate of Completion*

The Dental Assisting Program is competency-based and will teach the appropriate skills, knowledge, and perspectives needed to succeed within the dental assisting field. Students will be given the opportunity to attain competence in oral and written communications as well as skills specific to the workplace.

Admissions requirements are that students be at least 18 years of age and have high school diplomas Texas Certificate of High School Equivalency. Students must pass a background check before entrance to the program is granted. Students in the program are waived from TSI requirements.

Students must maintain 75 percent averages in all dental assisting courses and satisfactory (S) grades for clinical experiences in order to progress to the next course in the sequence. Students must have course grades of "C" or better in all DNTA courses listed on the dental assisting degree plan and overall 2.0 grade point averages in order to graduate with a certificate in dental assisting.

<b>First Semester</b>		<b>Credit Hours</b>
DNTA 1305 Dental Radiology		3
DNTA 1311 Dental Science		3
DNTA 1315 Chairside Assisting		3
DNTA 1401 Dental Materials		4
	Semester Hours	13
<b>Second Semester</b>		
DNTA 1241 Dental Laboratory Procedures		2
DNTA 1245 Preventive Dentistry		2
DNTA 1249 Dental Radiology in the Clinic		2
DNTA 1251 Dental Office Management		2
DNTA 1353 Dental Assisting Applications		3
DNTA 1660 Clinical I-Dental Assistant		6
	Semester Hours	17
<b>Third Semester</b>		
DNTA 2461 Clinical II-Dental Assisting		4
	Semester Hours	4
	<b>Total Program Hours</b>	<b>34</b>

# Emergency Medical Technology Basic

## *Certificate of Completion*

The Emergency Medical Technology Program offers students the opportunity to obtain the EMT-Basic requirements in one semester. Students must have the following to attend clinicals:

- Health assessment by physician or nurse practitioner on form provided
- Hepatitis B Vaccination
- TB Skin Test
- Clear Background Check

Students must keep a current CPR card throughout enrollment in the EMSP courses.

First Semester	Credit Hours
*EMSP 1501 Emergency Medical Technician	5
*EMSP 1260 Clinical Emergency Medical Technician/Technology	2
HITT 1305 Medical Terminology I	3
ECRD 1211 Electrocardiography	2
EDUC 1300 Learning Framework	3
Semester Hours	15
<b><i>Total Program Hours</i></b>	<b><i>15</i></b>

**\*Students will be eligible to sit for the NREMT-Basic Certification Exam upon successful completion of coursework in EMSP 1501 and EMSP 1260.**

**\*\**Pending SACSCOC Accreditation Approval***

**\*\*\**This program is not currently eligible for Federal Financial Aid***



# Emergency Medical Technology Intermediate

## *Certificate of Completion*

The Emergency Medical Technology Program offers students the opportunity to obtain the EMT-Intermediate requirements in one semester. All curricula combine classroom teaching with supervised clinical, laboratory, and ambulance internship experience. Emphasis is placed on patient assessment and initial treatment techniques of medical and traumatic emergencies appropriate to the certification and licensure level being sought. The student must be currently certified as an Emergency Medical Technician to enroll in this class (NREMT or TEXAS).

First Semester		Credit Hours
*EMSP 1501 Emergency Medical Technician		5
*EMSP 1260 Clinical Emergency Medical Technician/Technology		2
HITT 1305 Medical Terminology I		3
ECRD 1211 Electrocardiography		2
EDUC 1300 Learning Framework		3
	Semester Hours	15
Second Semester		
EMSP 1438 Introduction to Advanced Practice		4
EMSP 2260 Clinical Emergency Medical Technician/Technology		2
EMSP 1208 Emergency Vehicle Operations		2
	Semester Hours	8
	<b>Total Program Hours</b>	<b>23</b>

**\*Students will be eligible to sit for the NREMT-Advanced Certification Exam upon successful completion of coursework in EMSP 1438 and EMSP 2260.**

**\*\*Pending SACSCOC Accreditation Approval**

**\*\*\*This program is not eligible for Federal Financial Aid**

## Massage Therapy

### *Continuing Education (Non-Credit) Program*

Massage therapy is a healthcare profession regulated by the Texas Department of Licensing and Regulation (TDLR). Massage therapists treat clients by using touch to manipulate the muscles and other soft tissues of the body. With their touch, therapists relieve pain, help heal injuries, improve circulation, relieve stress, increase relaxation, and aid in the general wellness of clients.

Contact the LSCO Workforce Office to learn more about Massage Therapy program requirements.

<b>First Semester</b>		<b>Contact Hours</b>
MSSG 1005 Hydrotherapy/Therapeutic Modalities		20
MSSG 1009 Health and Hygiene		20
MSSG 1011 Massage Therapy Fundamentals I		125
MSSG 1013 Anatomy & Physiology for Massage		75
Semester Contact Hours		240
<b>Second Semester</b>		
MSSG 1007 Business Practices & Professional Ethics		45
MSSG 2011 Massage Therapy Fundamentals II		100
MSSG 2013 Kinesiology for Massage		50
MSSG 2014 Pathology for Massage		40
Semester Contact Hours		235
<b>Third Semester (Summer)</b>		
MSSG 2086 Internship – Massage Therapy/Therapeutic Massage		50
Semester Contact Hours		50
<b>Total Program Contact Hours</b>		<b>525</b>

# Medical Assistant

## *Certificate of Completion*

Medical assistants complete administrative and clinical tasks in the offices of physicians, hospitals, and other healthcare facilities. Their duties vary with the location, specialty, and size of the practice. They take and record patients' personal information and must be able to keep that information confidential, discussing only with other medical personal who are involved in treating the patient.

Students must have the following to attend clinicals:

- Health assessment by physician or nurse practitioner on form provided
- Hepatitis B Vaccination
- TB Skin Test
- Clear Background Check

<b>First Semester</b>		<b>Credit Hours</b>
BIOL 1322 Nutrition and Diet Therapy I		3
HITT 1305 Medical Terminology I		3
VNSG 1160 Clinical I-Practical Nurse		1
VNSG 1323 Basic Nursing Skills		3
	<b>Semester Hours</b>	<b>10</b>
<b>Second Semester</b>		
ECRD 1211 Electrocardiography		2
PLAB 1223 Phlebotomy		2
PLAB 1160 Clinical – Phlebotomy/Phlebotomist		1
	<b>Semester Hours</b>	<b>5</b>
	<b>Program Hours</b>	<b>15</b>

After completing the corresponding courses, students will be eligible to take Certification Exams through the National Center for Competency Testing in Phlebotomist, ECG/EKG Technician, as well as Nurse Aid Training and Competency Evaluation Program (NATCEP).

*\*This program is not eligible for Federal Financial Aid*

*\*\*Pending SACSCOC Accreditation Approval*

## Registered Nursing

### *Associate of Applied Science*

The Associate of Applied Science Registered Nursing Program is a competency-based program for LVN/LPNs that leads to eligibility to take the *National Council Licensure Examination (NCLEX-RN®)* to become a registered nurse (RN). Students must maintain “C” or better grades in ALL nursing and science courses and overall 2.0 grade point averages (GPAs) to graduate from the Lamar State College Orange Registered Nursing Program. To be considered for admission to the Registered Nursing Transition Program, students must be accepted to LSCO and have submitted transcripts from ALL colleges and universities attended. Applicants must also submit the following to the Nursing Department by the application deadline:

- An application to the Associate Degree RN Transition Program (located on the LSCO website) dated within the last current year.
- Degree Plan from Degree Works showing transcript evaluation and course equivalency.
- Evolve Reach Admission Assessment (A<sup>2</sup>) Exam profile taken within one year of application deadline indicating a composite score of 75 or higher with an 80 or higher in reading, and a 75 or higher in anatomy and physiology.
- Verification of VN license printed from the Texas Board of Nursing site

Complete information about the Registered Nursing Transition Program, including admission requirements, application deadlines, criminal background policy, and current application forms, is available on the LSCO website or from the Nursing Administrative Assistant located in the Stark Nursing and Classroom Building.

After acceptance into the Associate Degree Registered Nursing Program, students must provide the following additional information:

- Proof of current CPR certification
- History and Physical Examination, including proof of immunization
- Negative or clear Criminal Background Check (blue card, outcome letter of eligibility, and/or a Declaratory Order)

**NOTE: Criminal history MAY disqualify individuals from obtaining or maintaining nursing certifications even if they have completed LSCO's RN program.**

After acceptance into the Associate Degree Registered Nursing Program, students must provide the following additional information:

- Proof of current CPR certification
- History and Physical Examination, including proof of immunization
- Negative or clear Criminal Background Check (blue card, outcome letter of eligibility, and/or a Declaratory Order)

Completion of the Registered Nursing Transition Program does NOT guarantee that a graduate may take the *National Council Licensure Examination for Registered Nursing (NCLEX-RN®)*. The Texas Board of Nursing may deny an applicant for initial licensure who:

- has ever been cited, arrested, charged with or convicted of a crime, or received a deferred order, with or without an adjudication of guilt for a felony or misdemeanor offense other than a minor traffic violation or Minor in Possession (MIP);
- has had a misdemeanor conviction involving moral turpitude within the last ten (10) years;
- has been diagnosed with or treated or hospitalized within the past five years for schizophrenia or other psychotic disorders, bipolar disorder, paranoid personality disorder, anti-social personality disorder or borderline personality disorder;
- has been, within the past five (5) years, addicted to or treated for the use of alcohol or any other drug; or
- has been denied licensure or disciplined by any licensing/certifying authority.

Further information regarding licensure requirements is available on the Texas Board of Nursing website at [www.BON.state.tx.us](http://www.BON.state.tx.us).

## Registered Nursing

### *Associate of Applied Science*

<b>Prerequisites</b>		<b>Credit Hours</b>
BIOL 2401 Anatomy and Physiology I (lecture and lab)		4
BIOL 2402 Anatomy and Physiology II (lecture and lab)		4
BIOL 2420 Microbiology for Non-Science Majors		4
ENGL 1301 Composition I		3
MATH 1314 College Algebra or MATH 1342 Elementary Statistical Methods		3
RNSG 1300 Health Assessment		3
RNSG 1311 Nursing Pathophysiology		3
	Semester Hours	24
<b>Corequisites</b>		
PSYC 2301 General Psychology		3
PSYC 2314 Lifespan Growth and Development		3
SPCH 1311 Introduction to Speech Communication or SPCH 1315 Public Speaking		3
LANGUAGE, PHILOSOPHY, AND CULTURE* or CREATIVE ARTS*		3
	Semester Hours	12
<b>First Semester</b>		
RNSG 1327 Transition from Vocational to Professional Nursing		3
RNSG 2261 Clinical I		2
RNSG 1207 Nursing Jurisprudence		2
	Semester Hours	7
<b>Second Semester</b>		
RNSG 2514 Care of Clients with Complex Health Care Needs		5
RNSG 1210 Introduction to Community – Based Nursing		2
RNSG 2262 Clinical II		2
	Semester Hours	9
<b>Third Semester</b>		
RNSG 2363 Clinical III		3
RNSG 2535 Integrated Client Care Management		5
	Semester Hours	8
	<b>Total Program Hours</b>	<b>60</b>

Prerequisites must be completed prior to admission to the Registered Nursing Program.

Corequisites may be taken at any time but must be completed prior to graduation.

\*Choose from options for:

**Creative Arts** - ARTS 1301, DRAM 1310, or MUSI 1306

**Language, Philosophy, and Culture** - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341, HIST 2321, HIST 2322, HUMA 1315, PHIL 1301, or SPAN 2311

See core curriculum for complete list of course options.

# Vocational Nursing

## *Certificate of Completion*

The Vocational Nursing Program is a competency-based program designed to prepare Lamar State College Orange graduates to take the *National Council Licensure Examination (NCLEX-PN/VN®)* to be a licensed vocational nurse (LVN). The LVN functions under the direction of a registered nurse and/or licensed physician to provide nursing care to people who are in need of medical diagnostic evaluation and are experiencing acute or chronic illness. Graduates of the LSCO VN Program are currently employed in hospitals, physicians' offices, outpatient medical centers, long-term care facilities, and home health agencies.

The VN Program is the foundation on which the Associate of Applied Science Registered Nursing Transition Program is built. The Registered Nursing Transition Program is a competency-based program whose graduates are eligible to take the *National Council Licensure Examination (NCLEX-RN®)* to be registered nurses (RN).

To be considered for admission to the Vocational Nursing Program at LSCO, a student must:

- be accepted as a student at Lamar State College Orange;
- submit Vocational Nursing Program application online from the LSCO website by the application deadline
- submit transcripts of all college work to the Vocational Nursing Program;
- satisfy the ATI TEAS requirements;
- have a grade of “C” or better in BIOL 24 and BIOL 2402-Anatomy and Physiology. Although completion of BIOL 1322-Principles of Nutrition and PSYC 2314-Lifespan Growth and Development is not required for admission to the VN Program, they must be completed with a grade of “C” or better before graduating from the VN program. However, if taken before application deadline, those grades will add points on the admission rating scale;
- have a minimum grade of “C” or better in VNSG 1323-Basic Nursing Skills and a satisfactory “S” grade in VNSG 1160-Clinical I Practical Nurse or a minimum score of 80 on the VNSG 1323/VNSG 1160 Basic Nursing Challenge Exam\*
- show proof of good mental and physical health;
- show proof of completion of Hepatitis B immunization; and
- show proof of clear criminal background check from the Texas Board of Nursing or have obtained a completed Declaratory Order from the Texas Board of Nursing (see program director for details).

\*Experienced nurses' aides or certified nurses' aides (CNAs) may be exempt from the VNSG 1323 Basic Nursing Skills and VNSG 1160 Clinical I classes by passing the Basic Nursing Challenge Exam with a minimum score of 80 percent. Students must obtain permission from the Director of Vocational Nursing Program. Students may take the challenge exam only one time. The challenge exam is given at the LSCO Testing Center. Contact the Testing Center at (409) 882-3330 for an appointment to take the exam. The cost to take the exam is \$25 and to get transcribed credit is \$100.

**Students MUST maintain “C” or better grades in ALL courses on the degree plan and overall 2.0 grade point averages (GPAs) to graduate from the LSCO VN Program.** Complete information about the Vocational Nursing Program, including admission requirements, application deadlines and current application forms, is available from the Nursing Administrative Assistant located in the Stark Nursing and Classroom Building.

**NOTE: Criminal history MAY disqualify individuals from obtaining or maintaining nursing certifications even if they have completed LSCO's VN program.**

**Completion of the VN Program does NOT guarantee** that a graduate may take the *National Council Licensure Examination for Practical Nursing (NCLEX-PN®)*. The Texas Board of Nursing may disqualify an applicant from obtaining licensure who has:

- been convicted, adjudged guilty by a court, plead guilty, no contest, or nolo contendere to any crime in any state, territory, or country, whether or not a sentence was imposed, including any pending criminal charges or unresolved arrests (excluding minor traffic violations). This includes expunged offenses and deferred adjudications with or without prejudice of guilt. Please note that DUI's, DWI's, and PI's must be reported and are not considered minor traffic violations. One-time minor in possession (MIP) or minor in consumption (MIC) does not need to be disclosed. If you have two or more MIPs or MICs you must report these to the board;
- any criminal charges pending, including unresolved arrests;
- been refused a license by any licensing authority or ever had a license revoked, annulled, cancelled, accepted surrender of, suspended, placed on probation, refused to renew a professional license or certificate held by you now or previously, or ever fined, censured, reprimanded, or otherwise disciplined you;
- within the last five years, been addicted to and/or treated for the use of alcohol or any other drug; or
- within the last five years, been diagnosed with, treated or hospitalized for schizophrenia, and/or psychotic disorders, bipolar disorder, paranoid personality disorder, antisocial personality disorder, or borderline personality disorder.

**If you must answer "yes" to any of these statements, you have to undergo investigation by the Board of Vocational Nursing before you will be accepted into the Nursing Program. Answering "yes" will not necessarily keep you from acceptance into the program. Failure to answer truthfully may result in disciplinary action by the Board.**

**Upon acceptance into the VN Program, all students will be subject to a criminal background check.**



## Vocational Nursing Certificate of Completion

Prerequisites	Credit Hours
BIOL 2401 Anatomy and Physiology I (lecture and lab)	4
BIOL 2402 Anatomy and Physiology II (lecture and lab)	4
VNSG 1160 Clinical I Practical Nurse	1
VNSG 1323 Basic Nursing Skills	3
Semester Hours	12
<b>First Semester – LEVEL I</b>	
VNSG 1227 Essentials of Medication Administration	2
VNSG 1122 Vocational Nursing Concepts	1
VNSG 1136 Mental Health	1
VNSG 1402 Applied Nursing Skills I	4
VNSG 1461 Clinical II Practical Nurse	4
Semester Hours	12
<b>Second Semester – LEVEL II</b>	
BIOL 1322 Nutrition and Diet Therapy I	3
VNSG 1231 Pharmacology	2
VNSG 1138 Mental Illness	1
VNSG 1462 Clinical III Practical Nurse	4
VNSG 2413 Applied Nursing Skills II	4
Semester Hours	14
<b>Third Semester – LEVEL III</b>	
PSYC 2314 Lifespan Growth and Development	3
VNSG 1230 Maternal-Neonatal Nursing	2
VNSG 1234 Pediatrics	2
VNSG 2214 Applied Nursing Skills III	2
VNSG 2463 Clinical IV Practical Nurse	4
Semester Hours	13
<b>Total Program Hours</b>	<b>51</b>

## Basic Pharmacy Technology

### *Certificate of Completion*

This program consists of a sequence of introductory courses designed to introduce and expose students for a Pharmacy Technology career. All courses within the Basic Pharmacy Technology Certificate will apply to the 28-semester credit hour Pharmacy Technology Certificate. This program is intended for dual credit students.

The pharmacy technician functions under the direct supervision of the registered pharmacist. This program is competency-based and will teach the appropriate skills, knowledge, and perspectives needed to succeed within the pharmacy technology field. Students will be given the opportunity to attain competence in oral and written communication as well as math and computer skills specific to the workplace.

First Semester	Credit Hours
PHRA 1301 Introduction to Pharmacy	3
PHRA 1305 Drug Classification	3
PHRA 1313 Community Pharmacy Practice	3
PHRA 2360 Clinical-Pharmacy Technician	3
EDUC 1300 Learning Frameworks	3
Semester Hours	15
<b><i>Total Program Hours</i></b>	<b><i>15</i></b>

# Pharmacy Technology

## *Certificate of Completion*

This program consists of a sequence of courses designed to prepare students for employment as pharmacy technicians. The pharmacy technician functions under the direct supervision of the registered pharmacist. This program is competency-based and will teach the appropriate skills, knowledge, and perspectives needed to succeed within the pharmacy technology field. Students will be given the opportunity to attain competence in oral and written communication as well as math and computer skills specific to the workplace.

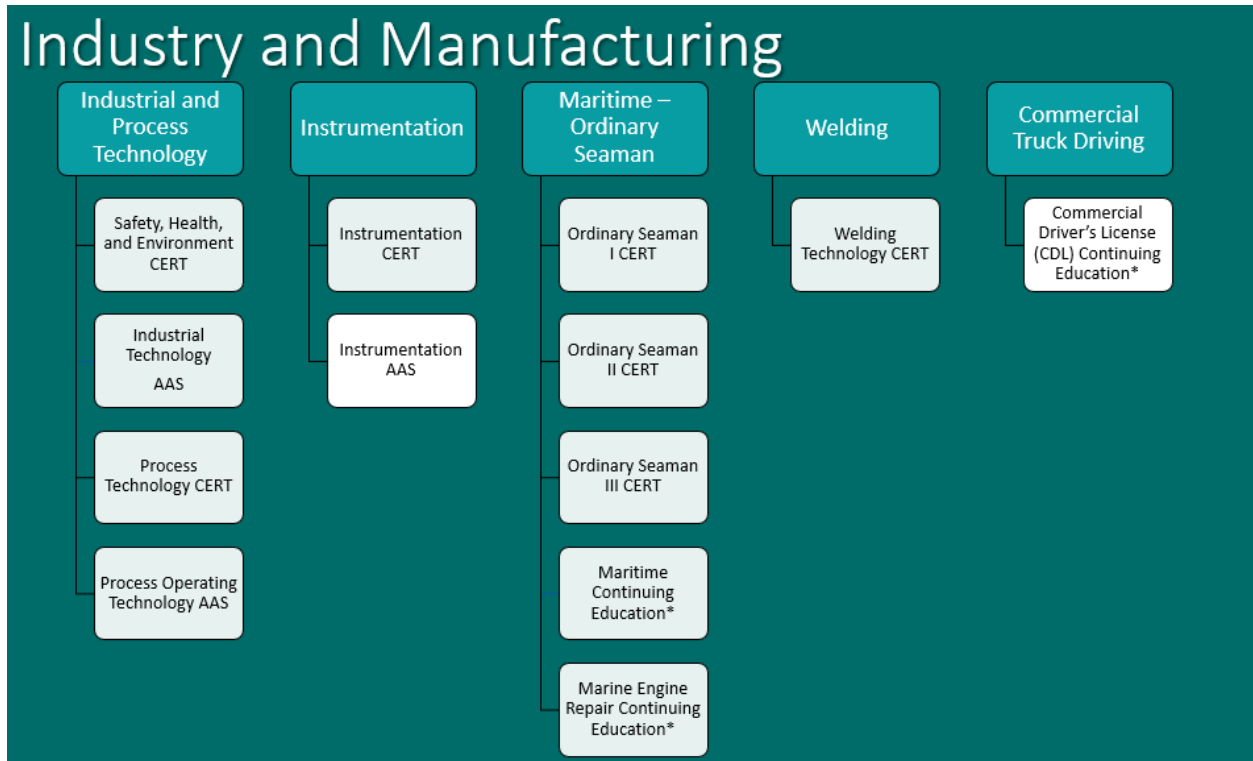
Students are required to pass the AccuplacerTest and register with the Texas State Board of Pharmacy prior to being accepted into the program.

Students must maintain “C” or better grades in ALL PHRA courses and an overall 2.0 grade point average (GPA) to graduate from the Lamar State College Orange Pharmacy Technology Program.

The Pharmacy Technology Program holds full accreditation status from the American Society of Health-System Pharmacists, 7272 Wisconsin Avenue, Bethesda, MD 20814, (301) 657-3000.

<b>First Semester</b>		<b>Credit Hours</b>
PHRA 1301 Introduction to Pharmacy		3
PHRA 1305 Drug Classification		3
PHRA 1313 Community Pharmacy Practice		3
PHRA 2360 Clinical-Pharmacy Technician		3
	Semester Hours	12
<b>Second Semester</b>		
PHRA 1304 Pharmacotherapy and Disease Process		3
PHRA 1309 Pharmaceutical Mathematics I		3
PHRA 1349 Institutional Pharmacy Practice		3
PHRA 1445 Intravenous Admixture and Sterile Compounding		4
PHRA 2361 Clinical-Pharmacy Technician		3
	Semester Hours	16
	<b>Total Program Hours</b>	<b>28</b>

# Industry and Manufacturing Pathway



# Safety, Health, and Environmental

## *Certificate of Completion*

This certificate is designed to prepare students for entry-level employment as a safety, health or environmental specialist. The program helps the students create a safe work environment, understand OSHA regulations and compliance, learn emergency management techniques, integrate employee health and safety into decision making, have the knowledge and skills to implement strategies to control, and manage potential problems.

<b>First Semester</b>		<b>Credit Hours</b>
PTAC 1408 Safety, Health, and Environment I		4
PTAC 1302 Introduction to Process Technology		3
EPCT 1301 Hazardous Waste Op. and Emergency Response		3
EPCT 1305 Environmental Regulations Overview		3
	<b>Semester Hours</b>	<b>13</b>
<b>Second Semester</b>		
EPCT 1341 Principles of Industrial Hygiene		3
OSHT 2401 OSHA Regulations – General Industry		4
EPCT 1349 Environment Regulation Interpretation & App.		3
◊EPCT 2489 Internship-Environmental Engineering Technology		4
	<b>Semester Hours</b>	<b>14</b>
	<b>Total Program Hours</b>	<b>27</b>

◊Capstone Course

# Industrial Technology

## Associate of Applied Science Degree

This program is designed to develop basic skills in various specialized courses to prepare students for entry-level positions in the petrochemical industry. Upon successful completion of the coursework, students will be able to transfer to the four-year Bachelor of Science degree program in Industrial Technology at Lamar University.

First Semester		Credit Hours
COSC 1301 Introduction to Computing		3
ENGL 1301 Composition I		3
PTAC 1302 Introduction to Process Technology		3
PTAC 1408 Safety, Health, and Environment I		4
PTAC 1432 Process Instrumentation I		4
Semester Hours		17
Second Semester		Credit Hours
MATH 1314 College Algebra or MATH 1332 Contemporary Mathematics		3
PTAC 1410 Process Technology I-Equipment		4
INTC 1457 AC/DC Motor Control or OSH 2401 OSHA Regulations – General Industry		4
SPCH 1315 Public Speaking or SPCH 1311 or SPCH 1318 or SPCH 1321		3
Semester Hours		14
Third Semester		Credit Hours
EPCT 1301 Hazardous Waste Op. and Emergency Response		3
EPCT 1305 Environmental Regulations Overview		3
EPCT 1349 Environmental Regulation Interp. & Applications		3
LANGUAGE, PHILOSOPHY, AND CULTURE* or CREATIVE ARTS*		3
Semester Hours		12
Fourth Semester		Credit Hours
EPCT 1341 Principles of Industrial Hygiene		3
◊EPCT 2489 Internship – Environmental Engineering Tech		4
PTAC 2314 Principles of Quality		3
**PTAC 2446 Process Troubleshooting		4
PSYC 2301 General Psychology or SOCI 1301 Introduction to Sociology		3
Semester Hours		17
<b>Total Program Hours</b>		<b>60</b>

◊ Capstone Course

\*Suggested options:

*Creative Arts* - ARTS 1301, DRAM 1310, HUMA 1315, or MUSI 1306

*Language, Philosophy, and Culture* - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, or ENGL 2341

\*\* Students will be expected to take the PTEX-CR exam; \$90 exam fee included in course fees

## Process Operating Technology

Students who complete the Process Operating Technology degree and certificate are exposed to high quality and relevant curriculum endorsed by the North American Process Technology Alliance (NAPTA). Through a partnership of industry, educational institutions, and others, the NAPTA supports the development of a diverse, qualified Process Technology talent pool to meet workforce needs in North America and South East Texas.

Upon completing the capstone course, PTAC 2446, students will demonstrate their mastery in applied process technology knowledge and skills by taking the Process Technology Chemical/Refining Exam (PTEX-CR). This exam is widely used among colleges as a standard for applied process technology knowledge. Students will have access to complete the PTEX-CR at the LSCO testing center near the end of the semester in which they are completing the capstone course, PTAC 2446. The cost of the exam is paid by students' lab fees so students will not be required to pay out of their pocket in order to test.

More detailed information about the PTEX-CR can be found here - <https://www.naptaonline.org/learning-resources/ptex>.

# Process Technology

## *Basic Certificate*

This program prepares students for careers in an entry-level process operations position. It prepares students to become safe, efficient, and environmentally responsible operators in the petrochemical and oil refinery industries. The program works closely with the Gulf Coast Process Technology Alliance-based organization that establishes standards to provide and deliver quality curriculum in the field.

<b>First Semester</b>		<b>Credit Hours</b>
PTAC 1432 Process Instrumentation I		4
PTAC 1302 Introduction to Process Technology		3
PTAC 1408 Safety, Health, and Environment I		4
PTAC 1410 Process Technology I-Equipment		4
	Semester Hours	15
<b>Second Semester</b>		
◊PTAC 2438 Operations		4
**PTAC 2446 Troubleshooting		4
PTAC 2420 Process Technology II-Systems		4
PTAC 2314 Principles of Quality		3
	Semester Hours	15
	<b>Total Program Hours</b>	<b>30</b>

◊Capstone Course

\*\* Students will be expected to take the PTEX-CR exam; \$90 exam fee included in course fees



# Process Operating Technology

## Associate of Applied Science Degree

The field of process technology appeals to persons who would enjoy the challenges involved in controlling industrial plant processes to produce a final product. This program offers students careers as safe, efficient, and environmentally responsible process operators in the petrochemical and oil refinery industries. In addition to developing technical knowledge regarding plant operations and procedures, maintenance, safety, health and environment skills, students will develop their communication, computer, people, and team-building skills throughout the program.

First Semester		Credit Hours
COSC 1301 Introduction to Computing		3
ENGL 1301 Composition I		3
PTAC 1302 Introduction to Process Technology		3
PTAC 1408 Safety, Health, and Environment I		4
PTAC 1410 Process Technology I-Equipment		4
	Semester Hours	17
Second Semester		
MATH 1314 College Algebra or MATH 1332 Contemporary Mathematics		3
PTAC 1432 Process Instrumentation I		4
PTAC 2314 Principles of Quality		3
PTAC 2420 Process Technology II-Systems		4
SPCH 1311 Introduction to Speech Communications or SPCH 1315 or SPCH 1318 or SPCH 1321		3
	Semester Hours	17
Third Semester		
**PTAC 2446 Process Troubleshooting		4
SCIT 1418 Applied Physics		4
SCIT 1494 Special Topics in Chemistry		4
PSYC 2301 General Psychology or SOCI 1301 Introduction to Sociology		3
	Semester Hours	15
Fourth Semester		
CTEC 2480 Cooperative Education-Chemical Technology or CTEC 2445		4
◊PTAC 2438 Process Technology III-Operations		4
LANGUAGE, PHILOSOPHY, AND CULTURE* or FINE ARTS*		3
	Semester Hours	11
	<b>Total Program Hours</b>	<b>60</b>

◊ Capstone Course

\*Suggested options:

*Creative Arts* - ARTS 1301, DRAM 1310, or MUSI 1306

*Language, Philosophy, and Culture* - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341, HIST 2321, HIST 2322, HUMA 1315, PHIL 1301, or SPAN 2311

\*\* Students will be expected to take the PTEX-CR exam; \$90 exam fee included in course fees

# Instrumentation

## *Certificate of Completion*

This program prepares students for careers in an entry-level maintenance, instrument and electrical positions within chemical plants, refineries, pipeline transmission companies, and industrial manufacturing. This certificate helps students understand the basics in theory, physics, fundamentals, and safety in the field of instrumentation (including the measurement of flow, level, and temperature), and electricity (including AC and DC circuits).

<b>First Semester</b>		<b>Credit Hours</b>
PTAC 1408 Safety, Health, and Environment I or OSHT 2401 OSHA Regulations – General Industry		4
CETT 1403 DC Circuits		4
INCR 1402 Physics of Instrumentation		4
INTC 1358 Flow & Measurement Calibration		3
	Semester Hours	15
<b>Second Semester</b>		
CETT 1405 AC Circuits		4
◊INCR 1442 Measurement and Process Control Theory		4
INTC 1301 Principles of Industrial Measurement I		3
	Semester Hours	11
	<b>Total Program Hours</b>	<b>26</b>

◊Capstone Course

# Instrumentation

## Associate of Applied Science

This program prepares students for careers in an entry-level maintenance, instrument and electrical positions within chemical plants, refineries, pipeline transmission companies, and industrial manufacturing. Students will understand the basics in theory, physics, fundamentals, and safety in the field of instrumentation (including the measurement of flow, level, and maintenance), and electricity (including AC and DC circuits).

<b>First Semester</b>		<b>Credit Hours</b>
CETT 1403 DC Circuits		4
COSC 1301 Introduction to Computing		3
INCR 1402 Physics of Instrumentation		4
INTC 1358 Flow and Measurement Calibration		3
MATH 1314 College Algebra or MATH 1332 Contemporary Mathematics		3
Semester Hours		17
<b>Second Semester</b>		
CETT 1405 AC Circuits		4
INCR 1442 Measurement and Process Control Theory		4
INTC 1301 Principles of Industrial Measurements I		3
PTAC 1408 Safety, Health, and Environment I		4
Semester Hours		15
<b>Third Semester</b>		
CPMT 2302 Home Technology Integration		3
CETT 1415 Digital Applications		4
INTC 1457 AC/DC Motor Control		4
LANGUAGE, PHILOSOPHY, AND CULTURE* or CREATIVE ARTS*		3
Semester Hours		14
<b>Fourth Semester</b>		
◊CETT 1441 Solid State Circuits or INTC 2480		4
RBTC 1401 Programmable Logic Controllers		4
ENGL 1301 Composition I		3
SOCIAL AND BEHAVIORAL SCIENCES*		3
Semester Hours		14
<b>Total Program Hours</b>		<b>60</b>

◊Capstone Course

**\*Suggested options:**

*Communication* - ENGL 1301, ENGL 1302, SPCH 1315

*Creative Arts* - ARTS 1301, DRAM 1310, or MUSI 1306

*Language, Philosophy, and Culture* - HUMA 1315

*Social and Behavioral Sciences* - PSYC 2301 or SOCI 1301

# Ordinary Seaman I

## *Certificate of Completion*

The extent and nature of the subject matter of the program as it relates to the approval request is to ensure an Ordinary Seaman has the knowledge and skills to safely function as an Ordinary Seaman onboard a vessel. Upon completion the student will qualify for a United States Coast Guard merchant mariner document with a Standards for Training and Conducting Watches-Basic Safety Training (STCW-BST) certification.

<b>First Semester</b>	<b>Credit Hours</b>
EDUC 1300 Learning Framework	3
NAUT 1370 Introduction to Tugs and Towing	3
NAUT1 1372 Seamanship I	3
NAUT 1371 Introduction to Ships and Shipping	3
NAUT 1374 Basic Safety and Survival	3
<b>Total Program Hours</b>	<b>15</b>

\*This program is not eligible for Federal Financial Aid

\*\*All courses within this certificate can be applied to the Ordinary Seaman II Certificate

Students enrolled in the LSCO – Maritime Program will have priority admission review for the Bachelor of Science Marine Transportation and the Texas A&M University Galveston Maritime Academy. Students will apply to TAMUG at the point he or she is ready to enroll in TAMUG courses. See LSCO’s Dean of Health, Workforce, and Technical Programs or the Ordinary Seaman Program Director for more details about transferability to TAMUG.

## Ordinary Seaman II

### *Certificate of Completion*

The extent and nature of the subject matter of the program as it relates to the approval request is to ensure an Ordinary Seaman has the knowledge and skills to safely function as an Ordinary Seaman onboard a vessel. Upon completion the student will qualify for a United States Coast Guard merchant mariner document with a Standards for Training and Conducting Watches-Basic Safety Training (STCW-BST) certification.

<b>First Semester</b>	<b>Credit Hours</b>
EDUC 1300 Learning Framework	3
NAUT 1370 Introduction to Tugs and Towing	3
NAUT 1372 Seamanship I	3
NAUT 1371 Introduction to Ships and Shipping	3
NAUT 1374 Basic Safety and Survival	3
Semester Hours	15
<b>Second Semester</b>	
NAUT 1375 Terrestrial Navigation	3
NAUT 2274 Basic Stability and Ship Construction	2
NAUT 1373 Marine Dry Cargo Operations	3
NAUT 2371 Tugs and Towing	3
Semester Hours	11
<b>First Summer Semester</b>	
NAUT 1264 Practicum Marine Science/Marine Merchant Officer	2
Semester Hours	2
<b>Total Program Hours</b>	<b>28</b>

\*Pending SACSCOC Accreditation Approval

\*\*All courses within this certificate can be applied to the Ordinary Seaman III Certificate

Students enrolled in the LSCO – Maritime Program will have priority admission review for the Bachelor of Science Marine Transportation and the Texas A&M University Galveston Maritime Academy. Students will apply to TAMUG at the point he or she will enroll in TAMUG courses. See LSCO’s Dean of Health, Workforce, and Technical Programs or the Ordinary Seaman Program Director for more details about transferability to TAMUG.

## Ordinary Seaman III

### *Certificate of Completion*

The extent and nature of the subject matter of the program as it relates to the approval request is to ensure an Ordinary Seaman has the knowledge and skills to safely function as an Ordinary Seaman onboard a vessel. Upon completion the student will qualify for a United States Coast Guard merchant mariner document with a Standards for Training and Conducting Watches-Basic Safety Training (STCW-BST) certification.

First Semester	Credit Hours
EDUC 1300 Learning Framework	3
NAUT 1370 Introduction to Tugs and Towing	3
NAUT 1372 Seamanship I	3
NAUT 1371 Introduction to Ships and Shipping	3
NAUT 1374 Basic Safety and Survival	3
Semester Hours	15
Second Semester	
NAUT 1375 Terrestrial Navigation	3
NAUT 2274 Basic Stability and Ship Construction	2
NAUT 1373 Marine Dry Cargo Operations	3
NAUT 2371 Tugs and Towing	3
Semester Hours	11
Summer Session	
NAUT 1264 Practicum Marine Science/Marine Merchant Officer	2
Semester Hours	2
Third Semester	
NAUT 2375 Deck Sea Training 1: Basic Comm, Navigation, Seamanship	3
NAUT 2376 Integrated Navigation I: Radar/ARA/ECDIS	3
NAUT 1376 Ship Stability and Trim	3
NAUT 2377 Nav Rules-International and Inland	3
Semester Hours	12
Fourth Semester	
NAUT 2265 Practicum Marine Science/Marine Merchant Officer	2
Semester Hours	2
<b>Total Program Hours</b>	<b>42</b>

\*Pending SACSCOC Accreditation Approval

Students enrolled in the LSCO – Maritime Program will have priority admission review for the Bachelor of Science Marine Transportation and the Texas A&M University Galveston Maritime Academy. Students will apply to TAMUG at the point he or she will enroll in TAMUG courses. See LSCO’s Dean of Health, Workforce, and Technical Programs or the Ordinary Seaman Program Director for more details about transferability to TAMUG.

# Welding Technology

## *Certificate of Completion*

This certificate program is designed to prepare students for entry-level welding occupations and provide additional welding skills. Students will learn basic and advanced techniques in oxyacetylene, gas metal arc, shielded metal arc, and gas tungsten arc welding processes. They will use basic math skills to assist them in building and repairing. Brazing, oxyacetylene cutting and blueprint reading are part of the program. Some occupations are combination welder, gas, and arc welder, welder/fitter, layout/welder, and fabricator. Graduates will be able to work in shipyards, fabrication shops, and the construction industry.

<b>First Semester</b>		<b>Credit Hours</b>
WLDG 1323 Welding Safety, Tools, and Equipment		3
WLDG 1327 Welding Codes and Standards		3
WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW)		4
WLDG 2443 Advanced Shielded Metal Arc Welding (SMAW)		4
Semester Hours		14
<b>Second Semester</b>		
WLDG 1434 Introduction to Gas Tungsten Arc Welding (GTAW)		4
WLDG 1437 Introduction to Welding Metallurgy		4
WLDG 2406 Intermediate Pipe Welding		4
WLDG 2413 Intermediate Welding Using Multiple Processes		4
Semester Hours		16
<b>Total Program Hours</b>		<b>30</b>

# Public Service Pathway





# Court Reporting

## *Continuing Education (Non-Credit) Program*

Court Reporting is a sector of the business industry and is licensed in Texas by the Judicial Branch Certification Commission (JBCC). Most court reporters work in courts or legislatures. However, some work from either their home or a central office providing broadcast captioning for television stations or for hard-of-hearing individuals.

Court Reporting Program Non-Credit Program		
CRTR	1004	Machine Shorthand I
CRTR	1006	Machine Shorthand II
CRTR	2013	Court Reporting Technology II
CRTR	1057	Literary/Jury Charge Dictation I
CRTR	1059	Literary/Jury Charge Dictation II
CRTR	2031	Court Reporter Certification Preparation

# Criminal Justice Law Enforcement

## *Certificate of Completion*

Upon completion of this certificate, students may apply most of their coursework to the 30-semester credit hour criminal justice certificate of completion or the associate degree program in criminal justice.

<b>First Semester</b>		<b>Credit Hours</b>
CRIJ 1301 (or CJSA 1322) Introduction to Criminal Justice		3
CRIJ 1306 (or CJSA 1313) Court Systems and Practices		3
CRIJ 1307 (or CJSA 1312) Crime in America		3
	Semester Hours	9
<b>Second Semester</b>		
CRIJ 1313 (or CJSA 1317) Juvenile Justice System		3
◊CRIJ 2314 (or CJSA 1342) Criminal Investigation		3
	Semester Hours	6
	<b>Total Program Hours</b>	<b>15</b>

◊Capstone Course

\*Not Eligible for Federal Financial Aid

# Criminal Justice

## *Certificate of Completion*

This curriculum will prepare students for entry into a field of criminal justice by combining both academic and technical concepts. Upon completion of this program, students may apply their coursework toward an associate degree program.

<b>First Semester</b>		<b>Credit Hours</b>
CRIJ 1301 (or CJSA 1322) Introduction to Criminal Justice		3
CRIJ 1306 (or CJSA 1313) Court Systems and Practices		3
CRIJ 1310 Fundamentals of Criminal Justice		3
CRIJ 1307 (or CJSA 1312) Crime in America		3
BUSI 2304 Business Report Writing & Correspondence		3
	Semester Hours	15
<b>Second Semester</b>		
CRIJ 1313 (or CJSA 1317) Juvenile Justice System		3
CRIJ 2314 (or CJSA 1342) Criminal Investigation		3
CRIJ 2328 Police Systems and Practices		3
<sup>o</sup> CJCR 1381 Co-op in Criminal Justice*		3
CRIJ 2313 Correctional Systems and Practices		3
	Semester Hours	15
	<b>Total Program Hours</b>	<b>30</b>

<sup>o</sup>Capstone Course

\*Must be approved by Program Director.

# Criminal Justice

## Associate of Science Degree

This degree is recommended for students who plan to pursue Bachelor of Science or Bachelor of Arts degrees in criminal justice or for students seeking employment in law enforcement or criminal justice fields. This is a recommended curriculum only. Some courses may be taken in different order, and students do not have to complete the degree in four semesters. Students in remediation will require a different course sequence.

First Semester	Credit Hours
CRIJ 1301 Introduction to Criminal Justice	3
ENGL 1301 Composition I	3
COMPONENT AREA OPTION*	3
AMERICAN HISTORY*	3
LIFE AND PHYSICAL SCIENCES*	4
Semester Hours	16
Second Semester	
CRIJ 2313 Correctional Systems and Practices	3
COMMUNICATION*	3
MATH 1332 Contemporary Mathematics or MATH 1314 College Algebra	3
AMERICAN HISTORY*	3
LIFE AND PHYSICAL SCIENCES*	4
Semester Hours	16
Third Semester	
CRIJ 1306 Court Systems and Practices	3
CRIMINAL JUSTICE ELECTIVE*	3
CREATIVE ARTS*	3
GOVT 2305 Federal Government	3
SOCI 1301 Introduction to Sociology	3
Semester Hours	15
Fourth Semester	
CRIJ 2328 Police Systems and Practices	3
ACADEMIC ELECTIVE*	1
GOVT 2306 Texas Government	3
LANGUAGE, PHILOSOPHY, AND CULTURE*	3
COMPONENT AREA OPTION*	3
Semester Hours	13
<b>Total Program Hours</b>	<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

### Suggested options:

*Academic Elective* – See Academic Dean or Criminal Justice Program Director

*American History* - HIST 1301, HIST 1302, or HIST 2301

*Communication* - ENGL 1302, SPCH 1315

*Component Area Option* – COSC 1301, EDUC 1300, MATH 1342, PSYC 2301, SOCI 1306

*Creative Arts* - ARTS 1301, DRAM 1310, or MUSI 1306

*Criminal Justice Elective* – CRIJ 1307, CRIJ 1310, CRIJ 1313, CRIJ 2301, CRIJ 2314, or CRIJ 2323

*Language, Philosophy, and Culture* - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341, HIST 2321, HIST 2322, HUMA 1315, PHIL 1301, or SPAN 2311

*Life and Physical Sciences* - BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, GEOL 1403, GEOL 1404, PHYS 1401, PHYS 1405, PHYS 1407, or PHYS 2425

*See core curriculum for complete list of course options.*

# Emergency Medical Technology Basic

## *Certificate of Completion*

The Emergency Medical Technology Program offers students the opportunity to obtain the EMT-Basic requirements in one semester. Students must have the following to attend clinicals:

- Health assessment by physician or nurse practitioner on form provided
- Hepatitis B Vaccination
- TB Skin Test
- Clear Background Check

Students must keep a current CPR card throughout enrollment in the EMSP courses.

First Semester	Credit Hours
*EMSP 1501 Emergency Medical Technician	5
*EMSP 1260 Clinical Emergency Medical Technician/Technology	2
HITT 1305 Medical Terminology I	3
ECRD 1211 Electrocardiography	2
EDUC 1300 Learning Framework	3
<b><i>Total Program Hours</i></b>	<b>15</b>

**\*Students will be eligible to sit for the NREMT-Basic Certification Exam upon successful completion of coursework in EMSP 1501 and EMSP 1260.**

\*\*Pending SACSCOC Accreditation Approval

\*\*\*This program is not eligible for Federal Financial Aid

# Emergency Medical Technology Intermediate

## *Certificate of Completion*

The Emergency Medical Technology Program offers students the opportunity to obtain the EMT-Intermediate requirements in one semester. All curricula combine classroom teaching with supervised clinical, laboratory, and ambulance internship experience. Emphasis is placed on patient assessment and initial treatment techniques of medical and traumatic emergencies appropriate to the certification and licensure level being sought. The student must be currently certified as an Emergency Medical Technician to enroll in this class (NREMT or TEXAS).

<b>First Semester</b>		<b>Credit Hours</b>
*EMSP 1501 Emergency Medical Technician		5
*EMSP 1260 Clinical Emergency Medical Technician/Technology		2
HITT 1305 Medical Terminology I		3
ECRD 1211 Electrocardiography		2
EDUC 1300 Learning Framework		3
	Semester Hours	15
<b>Second Semester</b>		
EMSP 1438 Introduction to Advanced Practice		4
EMSP 2260 Clinical Emergency Medical Technician/Technology		2
EMSP 1208 Emergency Vehicle Operations		2
	Semester Hours	8
	<b>Total Program Hours</b>	<b>23</b>

**\*Students will be eligible to sit for the NREMT-Basic Certification Exam upon successful completion of coursework in EMSP 1501 and EMSP 1260.**

\*\*Pending SACSCOC Accreditation Approval

\*\*\*This program is not eligible for Federal Financial Aid

# Teaching

## *Associate of Arts in Teaching Degrees*

The Associate of Arts in Teaching (AAT) degree is a State Board-Approved collegiate degree program consisting of lower-division courses intended for transfer to baccalaureate programs that lead to initial Texas teacher certification. The AAT degree is fully transferable to any Texas public university offering baccalaureate degree programs leading to initial teacher certification.

Because the AAT fulfills the requirements of the field of study curriculum statutes and the Texas Higher Education Coordinating Board rules, all Texas public universities must accept the AAT curricula if they offer the applicable baccalaureate degrees leading to initial teacher certification. The program includes a lab component in which the student will spend at least 16 hours observing in a PK-12 school.

The AAT is fully sanctioned by the Texas Higher Education Coordinating Board as a field of study for students interested in pursuing a degree in education which will lead to teacher certification. It offers an avenue to “grow our own” future teachers in an effort to help the shortage of teachers in Texas.

Some courses may be taken in different order, and students do not have to complete the degree in four semesters. Students in college prep will require a different course sequence. All interested students should see the Academic Dean for degree plans. Students planning to teach in a specific discipline should check with the Education Program Director to select the appropriate electives in the field of study. (See programs of study on the following pages.)

Some courses within the AAT programs require students to complete hours of field experience and observation in P-12 classrooms. Students will be responsible for completing background checks prior to being admitted in to observe classrooms. Transportation to and from P-12 classrooms is the responsibility of the student.

**NOTE: Criminal history MAY disqualify individuals from volunteering, substitute teaching, and/or obtaining or maintaining teaching certifications.** The State Board of Educator Certification (SBEC) requires all applicants to submit fingerprints for a national criminal history background check.

This includes applicants for a:

- Standard teaching certificate
- Probationary certificate
- Educational aide certificate
- One-year certificate
- Temporary teaching certificate
- Permit

Individuals who have been convicted of an offense or placed on probation might not be eligible to volunteer, substitute teach, or become certified by the Texas SBEC even after completing an educational or training program. SBEC’s criminal history guidelines are available at:

<https://tea.texas.gov/texas-educators/investigations/fingerprinting/fingerprinting-for-certificate-applicants>

# Teaching

## *Grades EC-6, 4-8, Special Ed. EC-12*

### *Associate of Arts in Teaching Degree (AATI)*

<b>First Semester</b>		<b>Credit Hours</b>
EDUC 1301 Introduction to the Teaching Profession		3
ENGL 1301 Composition I		3
MATH 1314 College Algebra		3
COMPONENT AREA OPTION*		3
HIST 1301 United States History I		3
Semester Hours		15
<b>Second Semester</b>		
EDUC 2301 Introduction to Special Populations		3
ENGL 1302 Composition II		3
GOVT 2305 Federal Government		3
HIST 1302 United States History II		3
BIOL 1408 Biology for Non-Science Majors I		4
Semester Hours		16
<b>Third Semester</b>		
GOVT 2306 Texas Government		3
SPCH 1315 Public Speaking		3
MATH 1350 Mathematics for Teachers I		3
LIFE AND PHYSICAL SCIENCES*		4
Semester Hours		13
<b>Fourth Semester</b>		
CREATIVE ARTS*		3
LANGUAGE, PHILOSOPHY, AND CULTURE*		3
SOCIAL AND BEHAVIORAL SCIENCES*		3
MATH 1351 Mathematics for Teachers II		3
LIFE AND PHYSICAL SCIENCES*		4
Semester Hours		16
<b>Total Program Hours</b>		<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

**Suggested options:**

**Approved Concentration Option** – See program director for concentration options

**Communication** – ENGL 1301, ENGL 1302, SPCH 1315

**Component Area Option** – COSCI 1301, EDUC 1300, ENGL 1302, PSYC 2301, PSYC 2314, SOCI 1301, SPCH 1318

**Creative Arts** - ARTS 1301, DRAM 1310, or MUSI 1306

**Language, Philosophy, and Culture** - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, or ENGL 2341

**Life and Physical Sciences** - BIOL 1406, BIOL 1407, BIOL 1409, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, GEOL 1403, or GEOL 1404

**Social and Behavioral Sciences** - PSYC 2301 or SOCI 1301

*See core curriculum for complete list of course options.*



# Teaching

**Grades 8-12, EC-12 (Art, Music, Physical Education, Health, Theater Arts, Technology Application, and Languages Other Than English, excluding Special Education)**

*Associate of Arts in Teaching Degree (AAT2)*

<b>First Semester</b>		<b>Credit Hours</b>
EDUC 1301 Introduction to the Teaching Profession		3
ENGL 1301 Composition I		3
MATH 1314 College Algebra		3
HIST 1301 United States History I		3
SPCH 1315 Public Speaking		3
	Semester Hours	15
<b>Second Semester</b>		
EDUC 2301 Introduction to Special Populations		3
ENGL 1302 Composition II		3
GOVT 2305 Federal Government		3
HIST 1302 United States History II		3
BIOL 1408 Biology for Non-Science Majors I		4
	Semester Hours	16
<b>Third Semester</b>		
GOVT 2306 Texas Government		3
ACADEMIC SUBJECT AREA ELECTIVE*		3
CREATIVE ARTS*		3
LIFE AND PHYSICAL SCIENCES*		4
	Semester Hours	13
<b>Fourth Semester</b>		
ACADEMIC SUBJECT AREA ELECTIVE*		4
LANGUAGE, PHILOSOPHY, AND CULTURE*		3
SOCIAL AND BEHAVIORAL SCIENCES*		3
COMPONENT AREA OPTION*		3
ACADEMIC SUBJECT AREA ELECTIVE*		3
	Semester Hours	16
	<b>Total Program Hours</b>	<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

### Suggested options:

**Academic Subject Area Elective** – See program director for concentration options

**Communication** – ENGL 1301, ENGL 1302, SPCH 1315

**Component Area Option** – BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, COSC 1301, EDUC 1300, ENGL 1302, GEOL 1403, GEOL 1404, MATH 1314, MATH 1324, MATH 1325, MATH 1332, MATH 1342, MATH 1350, MATH 1351, MATH 2312, MATH 2413, PHYS 1401, PHYS 1407, PHYS 2425, PSYC2301, PSYC 2314, SPCH 1311, SPCH 1315, SPCH 1318

**Creative Arts** - ARTS 1301, DRAM 1310, or MUSI 1306

**Language, Philosophy, and Culture** - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, or ENGL 2341

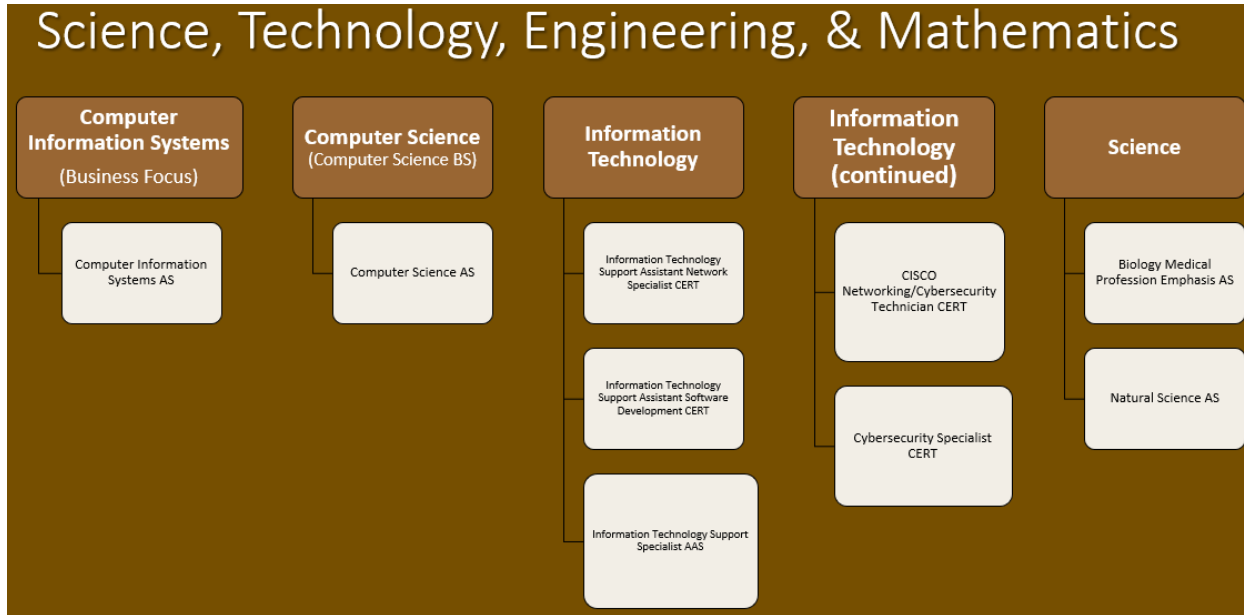
**Life and Physical Sciences** - BIOL 1406, BIOL 1407, BIOL 1409, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1406,

CHEM 1407, CHEM 1411, CHEM 1412, GEOL 1403, or GEOL 1404

**Social and Behavioral Sciences** - PSYC 2301 or SOCI 1301

*See core curriculum for complete list of course options.*

# Science, Technology, Engineering, and Mathematics Pathway



# Computer Information Systems

## Associate of Science Degree

This degree focuses on the practical application of technology in a business setting, combining theory and practice to put computing technology in context with the goal of solving business problems. This is a recommended curriculum only. Some courses may be taken in different order, and students do not have to complete the degree in four semesters.

First Semester		Credit Hours
ACCT 2301 Principles of Accounting I		3
COSC 1301 Introduction to Computing		3
ENGL 1301 Composition I		3
AMERICAN HISTORY*		3
MATH 1342 Elementary Statistical Mathematics		3
Semester Hours		15
Second Semester		Credit Hours
ACCT 2302 Principles of Accounting II		3
ECON 2301 Principles of Macroeconomics		3
COMMUNICATION*		3
AMERICAN HISTORY*		3
CREATIVE ARTS*		3
Semester Hours		15
Third Semester		Credit Hours
COSC 1436 Programming Fundamentals I		4
GOVT 2305 Federal Government		3
COMPONENT AREA OPTION*		3
LIFE AND PHYSICAL SCIENCES*		4
APPROVED ELECTIVE†		2
Semester Hours		16
Fourth Semester		Credit Hours
COSC 1437 Programming Fundamentals II		4
GOVT 2306 Texas Government		3
LANGUAGE, PHILOSOPHY, AND CULTURE*		3
LIFE AND PHYSICAL SCIENCES*		4
Semester Hours		14
<b>Total Program Hours</b>		<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

### Suggested options:

**American History** - HIST 1301 or HIST 1302

**Communication** – ENGL 1302 or SPCH 1315

**Component Area Option** – EDUC 1300 or MATH 2312

**Creative Arts** - ARTS 1301, DRAM 1310, or MUSI 1306

**Language, Philosophy, and Culture** - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341, HIST 2321, HIST 2322 or PHIL 1301

**Life and Physical Sciences** – BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, PHYS 1401, PHYS 1405 or PHYS 1407

*See core curriculum for complete list of course options.*

# Computer Science

## Associate of Science Degree

This degree is recommended for students who plan to pursue Bachelor of Science degrees in computer science. This is a recommended curriculum only. Some courses may be taken in different order, and students do not have to complete the degree in four semesters.

First Semester		Credit Hours
COSC 1436 Programming Fundamentals I**		4
COSC 1301 Introduction to Computing		3
ENGL 1301 Composition I		3
AMERICAN HISTORY*		3
MATH 1314 College Algebra		3
	Semester Hours	16
Second Semester		Credit Hours
COSC 1437** Programming Fundamentals II		4
COMPONENT AREA OPTION*		3
ENGL 1302 Composition II		3
AMERICAN HISTORY*		3
CREATIVE ARTS*		3
	Semester Hours	16
Third Semester		Credit Hours
COSC 2425 Computer Organization**		4
GOVT 2305 Federal Government		3
MATH 2413 Calculus I		4
LIFE AND PHYSICAL SCIENCES*		4
	Semester Hours	15
Fourth Semester		Credit Hours
GOVT 2306 Texas Government		3
LANGUAGE, PHILOSOPHY, AND CULTURE*		3
LIFE AND PHYSICAL SCIENCES*		4
SOCIAL AND BEHAVIORAL SCIENCES*		3
	Semester Hours	13
<b>Total Program Hours</b>		<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

†See Division Dean or Computer Science Program Director

\*\*Requires a 'B' or better to transfer to Lamar University.

**\*Suggested options:**

*American History* - HIST 1301, HIST 1302, or HIST 2301

*Component Area Option* – EDUC 1300 or MATH 2312

*Communication* – ENGL 1302 or SPCH 1315

*Creative Arts* - ARTS 1301, DRAM 1310 or MUSI 1306

*Language, Philosophy, and Culture* - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341,

HIST 2321, HIST 2322, HUMA 1315, 2302, PHIL 1301, or SPAN 2311

*Life and Physical Sciences* - BIOL 1406, BIOL 1407, BIOL 1408, BIOL 1409, CHEM 1406, CHEM 1407, CHEM 1411, CHEM 1412, PHYS 1401, PHYS 1405, or PHYS 1407

*Social and Behavioral Sciences* - ECON 2301, ECON 2302, PSYC 2301, or SOCI 1301 See core curriculum for complete list of course options.

# Information Technology Support Assisting Networking Specialist

*Certificate of Completion*

This certificate is designed for those with little or minimal computer training. The computer core courses allow students to explore computer hardware. This certificate transfers into the Information Technology Support Specialist Associate of Applied Science degree.

First Semester		Credit Hours
COSC 1301 Introduction to Computing		3
ITCC 1314 CCNA 1: Introduction to Networks		3
ITSC 1325 Personal Computer Hardware		3
ITSY 1342 Information Technology Security		3
ITNW 1313 Computer Virtualization		3
Semester Hours		15
Second Semester		
<sup>o</sup> ITCC 1344 CCNA 2: Switching, Routing, and Wireless Essentials		3
ITDF 1300 Introduction to Digital Forensics		3
ITNW 1354 Implementing and Supporting Servers		3
ITSW 1304 Introduction to Spreadsheets		3
BUSI 2304 Business Writing		3
Semester Hours		15
<b>Total Program Hours</b>		<b>30</b>

<sup>o</sup>Capstone Course

*ITCC 1314 + ITCC 1344 prepares students for the Cisco CCNA Certification.*

*ITSC 1325 prepares students for CompTIA A+ Certification.*

*ITNW 1354 prepares students for CompTIA Server+.*

*ITSY 1342 prepares students for Testout Certification.*

# Information Technology Support Assisting Software Specialist Development

## *Certificate of Completion*

This certificate is designed for those with little or minimal computer training. The computer core courses allow students to explore computer software. This certificate transfers into the Information Technology Support Specialist Associate of Applied Science degree.

<b>First Semester</b>		<b>Credit Hours</b>
ITSE 1331 Introduction to Visual Basic Programming		3
COSC 1301 Introduction to Computing		3
ITCC 1314 Introduction to Networks		3
ITSC 1325 Personal Computer Hardware		3
ITSY 1342 Information Technology Security		3
	Semester Hours	15
<b>Second Semester</b>		
ITNW 1336 Cloud Deployment and Infrastructure Management		3
ITSE 1345 Introduction to Oracle SQL		3
◊ITSE 1359 Introduction to Scripting Languages		3
ITSW 1304 Introduction to Spreadsheets		3
BUSI 2304 Business Writing		3
	Semester Hours	15
	<b>Total Program Hours</b>	<b>30</b>

◊Capstone Course

*ITCC 1314 prepares students for the Cisco CCNA Certification.*

*ITSC 1325 prepares students for CompTIA A+ Certification.*

*ITNW 1336 prepares students for CompTIA Cloud+ Certification.*

*ITSY 1342 prepares students for Testout Certification.*

*ITSE 1345 prepares students for Oracle DB SQL Exam 1Z0-071.*

# Information Technology Support Specialist

## Associate of Applied Science Degree

This degree prepares students for entry-level positions as computer specialist technicians. It includes general knowledge of computer hardware, networking, digital forensics/cybersecurity, software, program design, programming languages, specific skills in troubleshooting, problem-solving, and user assistance.

First Semester		Credit Hours
ENGL 1301 Composition I		3
COSC 1301 Introduction to Computing		3
ITCC 1314 Introduction to Networks		3
ITSY 1342 Information Technology Security		3
ITSC 1325 Personal Computer Hardware		3
	Semester Hours	15
Second Semester		Credit Hours
ITCC 1344 CCNA 2: Switching, Routing, and Wireless Essentials		3
ITDF 1300 Introduction to Digital Forensics		3
ITSW 1304 Introduction to Spreadsheets		3
ITNW 1354 Implementing and Supporting Servers		3
SOCIAL AND BEHAVIORAL SCIENCES*		3
	Semester Hours	15
Third Semester		Credit Hours
ITSE 1331 Introduction to Visual Basic Programming		3
ITNW 1313 Computer Virtualization		3
ITSY 2301 Firewalls and Network Security		3
MATH 1314 College Algebra or MATH 1324 Mathematics for Social Sciences or MATH 1332 Contemporary Mathematics		3
BUSI 2304 Business Report Writing and Correspondence		3
	Semester Hours	15
Fourth Semester		Credit Hours
ITNW 1336 Cloud Deployment and Infrastructure Management		3
◊ITSC 2387 Internship-Computer and Information Sciences		3
ITSE 1345 Introduction to Oracle SQL		3
ITSE 1359 Introduction to Scripting Languages		3
LANGUAGE, PHILOSOPHY, AND CULTURE* or CREATIVE ARTS*		3
	Semester Hours	15
	<b>Total Program Hours</b>	<b>60</b>

◊Capstone Course

**\*Suggested options:**

**Creative Arts** - ARTS 1301, DRAM 1310, HUMA 1315, or MUSI 1306

**Language, Philosophy, and Culture** - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, or ENGL 2341

**Social and Behavioral Sciences** - ECON 2301, ECON 2302, PSYC 2301, or SOCI 1301

ITCC 1314 + ITCC 1344 prepares students for the Cisco CCNA Certification.

ITSC 1325 prepares students for CompTIA A+ Certification.

ITNW 1354 prepares students for CompTIA Server+.

ITNW 1336 prepares students for CompTIA Cloud+ Certification.

ITSY 1342 prepares students for Testout Certification.

ITSE 1345 prepares students for Oracle DB SQL Exam 1Z0-071.

# Information Technology Support Assistant Cybersecurity Specialist

*Certificate of Completion*

The Cybersecurity program prepares the student for entry into this exciting field by providing introductory training in fundamental security concepts, firewalls and network security, hardware/software knowledge, basic scripting, operating systems security, intrusion detection, and incident response.

First Semester		Credit Hours
COSC 1301 Introduction to Computing		3
ITCC 1314 Introduction to Networks		3
ITSC 1325 PC Hardware/Software		3
ITSY 1342 Information Technology Security		3
Semester Hours		12
Second Semester		
ITDF 1300 Introduction to Digital Forensics		3
ITNW 1313 Computer Virtualization		3
ITNW 1354 Implementing and Supporting Servers		3
ITSE 1359 Introduction to Scripting Languages		3
◊ITSY 2301 Firewalls and Network Security		3
Semester Hours		15
<b>Total Program Hours</b>		<b>27</b>

◊Capstone Course

*ITSC 1325 prepares students for CompTIA A+ Certification*

*ITNW 1354 prepares students for CompTIA Server+*

*ITSY 1342 prepares students for Testout Certification.*



# CISCO Networking/Cybersecurity Technician

## *Certificate of Completion*

This certificate is recommended for students who plan to pursue careers as network and cybersecurity technicians, network engineers, network administrators, and network help-desk staff. This program prepares students to certify as Cisco Certified Entry Network Technician (CCENT).

<b>First Semester</b>		<b>Credit Hours</b>
ITCC 1314 Introduction to Networks		3
ITSY 1342 Information Technology Security		3
	Semester Hours	6
<b>Second Semester</b>		
◊ITCC 1344 CCNA 2: Switching, Routing and Wireless Essentials		3
ITDF 1300 Introduction to Digital Forensics		3
INFORMATION TECHNOLOGY ELECTIVE*		3
	Semester Hours	9
	<b>Program Total Hours</b>	<b>15</b>

◊Capstone Course

\***Information Technology Elective** – COSC 1301, COSC 1436, COSC 1437, ITSC 1325, ITSE 1331, ITSE 1345, ITSE 1359, ITNW 1313, ITNW 1354, or ITSW 1304

*ITCC 1314 + ITCC 1344 prepares students for the Cisco CCNA Certification.*

*ITSY 1342 prepares students for Testout Certification.*

*ITSE 1345 prepares students for Oracle DB SQL Exam 1Z0-071.*

# Biology-Medical Professions Emphasis

## Associate of Science Degree

This degree is a foundation for most pre-medical and pre-dental four-year premedical students. This is a recommended curriculum only. Some courses may be taken in different order and students do not have to complete the degree in four semesters.

First Semester	Credit Hours
COMMUNICATION*	3
MATH 1342 Elementary Statistical Methods or MATH 2312 Pre-Calculus	3
AMERICAN HISTORY*	3
COMPONENT AREA OPTION*	3
LIFE AND PHYSICAL SCIENCES*	4
Semester Hours	16
Second Semester	
COMMUNICATION*	3
GOVT 2305 Federal Government	3
AMERICAN HISTORY*	3
COMPONENT AREA OPTION*	3
LIFE AND PHYSICAL SCIENCES*	4
Semester Hours	16
Third Semester	
GOVT 2306 Texas Government	3
SCIENCE ELECTIVE*	4
SCIENCE ELECTIVE*	4
SOCIAL AND BEHAVIORAL SCIENCES*	3
Semester Hours	14
Fourth Semester	
LANGUAGE, PHILOSOPHY, AND CULTURE*	3
CREATIVE ARTS*	3
SCIENCE ELECTIVE*	4
SCIENCE ELECTIVE*	4
Semester Hours	14
<b>Total Program Hours</b>	<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

### Suggested options:

**American History** - HIST 1301, HIST 1302, or HIST 2301

**Communication** - ENGL 1301, ENGL 1302, or SPCH 1315

**Component Area Option** - BIOL 1406, BIOL 1407, BIOL 1411, BIOL 1413, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1411, CHEM 1412, COSC 1301, EDUC 1300, ENGL 1302, GEOL 1403, GEOL 1404, MATH 1314, MATH 1324, MATH 1325, MATH 1332, MATH 1342, MATH 2312, MATH 2413, PHYS 1401, PHYS 2425, PSYC 2301, PSYC 2314, SPCH 1311, SPCH 1315, or SPCH 1318

**Creative Arts** - ARTS 1301, DRAM 1310, or MUSI 1306

**Language, Philosophy, and Culture** - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341, HIST 2321, HIST 2322, HUMA 1315, PHIL 1301, or SPAN 2311

**Life and Physical Sciences** - BIOL 1406, BIOL 1407, BIOL 2401, BIOL 2402, CHEM 1411, or CHEM 1412

**Science Elective** - BIOL 1406, BIOL 1407, BIOL 2401, BIOL 2402, BIOL 2420, CHEM 1411, CHEM 1412, or PHYS 1401

*See core curriculum for complete list of course options.*

# Natural Science

## Associate of Science Degree

This degree is a foundation for most four-year science degrees or premedical curricula. This is a recommended curriculum only. Some courses may be taken in different order and students do not have to complete the degree in four semesters.

First Semester		Credit Hours
AMERICAN HISTORY*		3
MATH 2312 Pre-Calculus Math		3
LIFE AND PHYSICAL SCIENCES*		4
COMMUNICATION*		3
COMPONENT AREA OPTION*		3
	Semester Hours	16
Second Semester		Credit Hours
COMMUNICATION*		3
GOVT 2305 Federal Government		3
LIFE AND PHYSICAL SCIENCES*		4
SOCIAL AND BEHAVIORAL SCIENCES*		3
AMERICAN HISTORY*		3
	Semester Hours	16
Third Semester		Credit Hours
GOVT 2306 Texas Government		3
SCIENCE ELECTIVE*		4
SCIENCE ELECTIVE*		4
COMPONENT AREA OPTION*		3
	Semester Hours	14
Fourth Semester		Credit Hours
LANGUAGE, PHILOSOPHY, AND CULTURE*		3
CREATIVE ARTS*		3
SCIENCE ELECTIVE*		4
SCIENCE ELECTIVE*		4
	Semester Hours	14
<b>Total Program Hours</b>		<b>60</b>

*It is recommended for students to check with the institution they are planning to transfer to for advice on which courses work best for their major.*

### Suggested options:

**American History** - HIST 1301, HIST 1302, or HIST 2301

**Communication** – ENGL 1301, ENGL 1302, or SPCH 1315

**Component Area Option** – BIOL 1406, BIOL 1407, BIOL 1411, BIOL 1413, BIOL 2401, BIOL 2402, BIOL 2406, CHEM 1411, CHEM 1412, COSC 1301, EDUC 1300, ENGL 1302, GEOL 1403, GEOL 1404, MATH 1314, MATH 1324, MATH 1325, MATH 1332, MATH 1332, MATH 1342, MATH 2413, PHYS 1401, PHYS 2425, PSYC 2301, PSYC 2314, SPCH 1311, SPCH 1315, or SPCH 1318

**Creative Arts** - ARTS 1301, DRAM 1310, or MUSI 1306

**Language, Philosophy, and Culture** - ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2331, ENGL 2341, HIST 2321, HIST 2322, HUMA 1315, PHIL 1301, or SPAN 2311

**Life and Physical Sciences** - BIOL 1406, BIOL 1407, BIOL 1411, BIOL 1413, BIOL 2401, BIOL 2402, BIOL 2406, BIOL 2420, CHEM 1411, CHEM 1412, GEOL 1403, GEOL 1404, PHYS 1401, or PHYS 2425

**Mathematics** - MATH 2413

**Science Elective** – BIOL 1406, BIOL 1407, BIOL 1411, BIOL 1413, CHEM 1411, CHEM 1412, GEOL 1403, GEOL 1404, MATH 2413, PHYS 1401, PHYS 2425

**Social and Behavioral Sciences** - ECON 2301, ECON 2302, GEOG 1301, GEOG 1302, PSYC 2301, or SOCI 1301

*See core curriculum for complete list of course options.*

# Course Descriptions

Course descriptions are listed  
in alphabetical order.

## Course Descriptions

Lamar State College Orange offers both academic and technical coursework. Academic courses are indicated as “AC,” college preparatory courses are identified with “CP,” and “TEC” denotes classes in the technical area. Academic courses will transfer to another college or university. College Prep courses are included on transcripts but are not transferable courses. Technical courses may or may not transfer to another college or university. The *Texas Common Course Numbering System (TCCNS)* is a course numbering system used throughout the state of Texas. It is composed of four letters plus four numbers. The four letters indicate the subject area. The four numbers indicate the course number. The first digit is the level (1 = freshman, 2 = sophomore, etc.); the second digit is the number of credit hours to be awarded for this course; and the last two digits represent the course sequence. The three numbers to the far right represent the number of credit, lecture, and lab hours. The six numbers within parenthesis is a course identifier used by the *Texas Higher Education Coordinating Board (THECB)*. In addition, Lamar State College Orange administers a comprehensive Continuing Education Workforce program throughout the community by providing non-credit training to meet community workforce needs, general interest and personal enrichment.

### **ACCT 2301 .....3-3-0**

#### **Principles of Financial Accounting** (52.0301)

Accounting concepts and their application in transaction analysis and financial statement preparation. Topics include analysis of financial statements; asset and equity accounting in proprietorships, partnerships, and corporations; account receivables; investments; inventories; liabilities; and payroll. It also provides an introduction to cost behavior, budgeting, responsibility accounting, cost control, and product costing. AC.

### **ACCT 2302 .....3-3-0**

#### **Principles of Managerial Accounting** (52.0301)

Continuation of accounting concepts and their application in transaction analysis and financial statement preparation with emphasis on managerial accounting. Topics include development of cash flow statements; cost behavior and cost-volume-profit analysis; asset and equity accounting in proprietorships, partnerships, and corporations; developing a capital and master budget; departmental and activity-based accounting; and cost control. Prerequisite: ACCT 2301. AC.

### **ACNT 1311 .....3-3-0**

#### **Introduction to Computerized Accounting** (52.0302)

Introduction to utilizing the computer in maintaining accounting records with primary emphasis on a general ledger package. Suggested prerequisite: ACCT 2301. TEC.

### **ACNT 1329 .....3-3-0**

#### **Payroll and Business Tax Accounting** (52.0301)

A study of payroll procedures, taxing entities, and reporting requirements of local, state, and federal taxing authorities in a manual and computerized environment. Suggested prerequisite: ACCT 2301 or concurrent enrollment. TEC.

### **ANTH 2351 .....3-2-2**

#### **Cultural Anthropology** (45.0201)

The study of human cultures. Topics may include social organization, institutions, diversity, interactions between human groups, and ethics in the discipline. AC.

### **ARTC 1325 .....3-2-2**

#### **Introduction to Computer Graphics** (50.0409)

A survey of computer design concepts, terminology, processes, and procedures. Topics include computer graphics hardware, electronic images, electronic publishing, vector-based graphics, and interactive multimedia. TEC.

### **ARTC 1353 .....3-2-2**

#### **Computer Illustration** (50.0402)

Use of the tools and transformation options of an industry-standard vector drawing program to create complex illustrations or drawings. TEC.

### **ARTS 1301 .....3-3-0**

#### **Art Appreciation** (50.0703)

Exploration of purposes and processes in the visual arts including evaluation of selected works. AC.

**ARTS 1311.....3-3-0****Design I** (50.0401)

Elements and principles of art using two-dimensional concepts. AC.

**ARTS 1316 3-3-0****Drawing I** (50.0705)

Investigation of drawing media and techniques including descriptive and expressive possibilities. AC.

**BIOL 1406 .....4-3-2****Biology for Science Majors I (Lecture + Lab)**

(26.0101)

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. 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. AC.

**BIOL 1407 .....4-3-2****Biology for Science Majors II (Lecture + Lab)**

(26.0101)

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. 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. Prerequisite: BIOL 1306/1106.AC.

**BIOL 1408 .....4-3-2****Biology for Non-Science Majors I (Lecture + Lab)** (26.0101)

Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. Laboratory activities will reinforce a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. AC.

**BIOL 1409 .....4-3-2****Biology for Non-Science Majors II (Lecture + Lab)** (26.0101)

This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Laboratory activities will reinforce a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. AC.

**BIOL 1411 .....4-3-1****General Botany (Lecture + Lab)** (26.0301.51 03)

T 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. This course is intended for science majors. Laboratory activities will reinforce 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. This course is intended for science majors.

**BIOL 1413 .....4-3-1****General Zoology (Lecture + Lab)** (26.0301.51 03)

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. Laboratory activities will reinforce fundamental biological concepts relevant to animals, including systematics, evolution, structure and function, cellular and molecular metabolism, reproduction, development, diversity, phylogeny, and ecology. This course is intended for science majors.AC.

**BIOL 1322 .....3-3-0****Nutrition & Diet Therapy I** (19.0501)

Study of the chemical, physical, and sensory properties of food; nutritional quality; and food use and diet applications. AC.

**BIOL 2401 .....4-3-2**  
**Anatomy & Physiology I (Lecture + Lab)**  
 (26.0707)

This 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 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. Systems to be studied include integumentary, skeletal, muscular, nervous, and special senses. AC.

**BIOL 2402 .....4-3-2**  
**Anatomy & Physiology II (Lab)** (26.0707)

This 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. Systems to be studied include endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Prerequisite: BIOL 2401 or 2301/2101. AC.

**BIOL 2406 .....4-0-2**  
**Environmental Biology (Lab)** (03.0103)

Principles of environmental systems and ecology, including biogeochemical cycles, energy transformation, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, hazards and risks, and approaches to ecological research. Laboratory activities will reinforce 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. AC.

**BIOL 2404 .....4-3-2**  
**Anatomy & Physiology (MOT)** (26.0707)

Study of the basic principles of human anatomy and physiology with emphasis on the anatomy of body systems, including the structure and function of cells and tissues, muscular, skeletal, nervous, endocrine, cardiovascular, digestive, respiratory, excretory, and reproductive systems. This course is specifically designed for Medical Office Technology majors. AC.

**BIOL 2420 .....4-3-2**  
**Microbiology for Non-Science Majors** (26.0503)

Study of the morphology, physiology, and taxonomy of representative groups of pathogenic and nonpathogenic microorganisms. Pure cultures of microorganisms grown on selected media are used in learning laboratory techniques. Includes a brief preview of food microbes, public health, and immunology. Prerequisite: BIOL 1406 (or 1306/1106) and BIOL 1407 (or 1307/1107) or BIOL 2401 (or 2301/2101) and BIOL 2402 (or 2302/2102). AC.

**BMGT 1301 .....3-3-0**  
**Supervision** (52.0201)

The role of the supervisor. Includes managerial functions as applied to leadership, counseling, motivation, and human relations skills. TEC.

**BMGT 2341 .....3-3-0**  
**Strategic Management** (52.0201)

Strategic management process, including analysis of how organizations develop and implement a strategy for achieving organizational objectives in a changing environment. TEC.

**BUSG 1301 .....3-3-0**  
**Introduction to Business** (52.0101)

Fundamental business principles including structure, functions, resources, and operational processes. THIS COURSE IS CROSS-LISTED AS BUSI 1301. TEC.

**BUSG 2309 .....3-3-0**  
**Small Business Management** (52.0703)

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. Suggested prerequisite: ACCT 2301 and BUSI 1301. TEC.

**BUSI 1301.....3-3-0**

**Business Principles** (52.0101)

Introduction to the role of business in modern society. Includes overview of business operations, analysis of the specialized fields within the business organization, and development of a business vocabulary. THIS COURSE IS CROSS-LISTED AS BUSG 1301. AC.

**BUSI 1307.....3-3-0**

**Personal Finance** (19.0401)

Personal and family accounts, budgets and budgetary control, bank accounts, charge accounts, borrowing, investing, insurance, standards of living, renting or home ownership, and wills and trust plans. AC.

**BUSI 2301.....3-3-0**

**Business Law** (22.0101)

Principles of law which form the legal framework for business activity. AC.

**BUSI 2304.....3-3-0**

**Business Report Writing and Correspondence** (23.1303)

Theory and applications for technical reports and correspondence in business. AC.

**CETT 1403.....4-3-4**

**DC Circuits** (15.1201)

A study of the fundamentals of direct current including Ohm's law, Kirchhoff's laws and circuit analysis techniques. TEC.

**CETT 1405.....4-3-4**

**AC Circuits** (15.1201)

A study of the fundamentals of alternating current including series and parallel AC circuits, phasors, capacitive and inductive networks, transformers, and resonance. TEC.

**CETT 1415.....4-3-4**

**Digital Applications** (15.1201)

An investigation of combinational and sequential logic elements and circuits with emphasis on design and troubleshooting of combinational and sequential circuits. TEC.

**CETT 1441.....4-3-4**

**Solid State Circuits** (15.1201)

A study of various semiconductor devices incorporated in circuits and their applications. Emphasis on circuit construction, measurements, and analysis. TEC.

**CHEM 1411.....4-3-1**

**General Chemistry I (Lecture + Lab)** (40.0501)

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. Prerequisite: DMTH 0302, DMTH 0314 or higher, or two years of high school Algebra; being concurrently enrolled in high school Algebra II or Math 1314 College Algebra, is acceptable. Introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports. AC.

**CHEM 1412.....4-3-1**

**General Chemistry II (Lab)** (40.0501)

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 1411. Introduction of the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory reports. Prerequisite: CHEM 1411 (or CHEM 1311/1111).AC.

**CHEM 1406.....4-3-1**

**Introductory Chemistry I (Lecture + Lab)** (40.0501)

Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for allied health students and for students who are not science majors. AC.

**CHEM 1407.....4-3-1**

**Introductory Chemistry II (Lecture + Lab)** (40.0501)

Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for allied health students and for students who are



not science majors. Prerequisite: CHEM 1406 (or CHEM 1406). AC.

**CJCR 1381.....3-0-16**

**Co-op in Criminal Justice** (43.0102)

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. Permission from Director of Criminal Justice is needed before a student can register for this course. Students taking this course must not have criminal records. TEC.

**CJSA 1312.....3-3-0**

**Crime in America** (45.0401)

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. THIS COURSE IS CROSS-LISTED AS CRIJ 1307. TEC.

**CJSA 1313.....3-3-0**

**Court Systems & Practices** (43.0104)

Study of the judiciary in the American criminal justice system and the adjudication processes and procedures. THIS COURSE IS CROSS-LISTED AS CRIJ 1306. TEC.

**CJSA 1317.....3-3-0**

**Juvenile Justice System (Lecture)** (43.0104)

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. THIS COURSE IS CROSS-LISTED AS CRIJ 1313. TEC.

**CJSA 1322.....3-3-0**

**Introduction to Criminal Justice** (43.0104)

History, philosophy, and ethical considerations of criminal justice; the nature and impact of crime; and an overview of the criminal justice system, including law enforcement and court procedures. THIS COURSE IS CROSS-LISTED AS CRIJ 1301. TEC.

**CJSA 1342.....3-3-0**

**Criminal Investigation (Lecture)** (43.0104)

Investigative theory; collection and preservation of evidence; sources of information; interview

and interrogation; uses of forensic sciences; case and trial preparation. THIS COURSE IS CROSS-LISTED AS CRIJ 2314. TEC.

**CNBT 1210.....2-1-3**

**Basic Construction Safety** (15.1001)

Basic job site construction safety in residential, commercial, and industrial construction. TEC.

**CNBT 1300.....3-2-2**

**Residential & Light Commercial Blueprint Reading** (15.1001)

Introduction to construction drawings with a focus on residential and light commercial construction. TEC.

**CNBT 1342 .....3-2-2**

**Building Codes and Inspections** (15.1001)

Building codes and standards applicable to building construction and inspection processes. TEC.

**CNBT 1346 ..... 3-2-2****Construction Estimating I** (15.1001)

Fundamentals of estimating materials, equipment, and labor costs in construction. TEC.

**CNBT 1411 ..... 4-3-2****Construction Materials and Methods I** (15.1001)

Introduction to construction materials and methods and their applications. TEC.

**CNBT 2344 ..... 3-2-2****Construction Management II** (15.1001)

A management course in contract documents, safety, planning, scheduling, production control, law and labor issues. Topics include contracts, planning, cost and production peripheral documents, and cost and work analysis. TEC.

**COSC 1301 ..... 3-3-0****Introduction to Computing** (11.0101)

Overview of computer systems—hardware, operating systems, and microcomputer application software, including the Internet, word processing, spreadsheets, presentation graphics, and databases. Current issues such as the effect of computers on society, and the history and use of computers in business, educational, and other modern settings are also studied. This course is not intended to count toward a student's major field of study in business or computer science. AC.

**COSC 1436 ..... 4-2-3****Programming Fundamentals I** (11.0201)

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. This course is included in the Field of Study Curriculum for Computer Science.AC.

**COSC 1437 ..... 4-2-3****Programming Fundamentals II** (11.0201)

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. This course is included in the Field of Study Curriculum for Computer Science.AC.

**COSC 2425 ..... 4-2-3****Computer Organization** 11.0201

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. This course is included in the Field of Study Curriculum for Computer Science.AC.

**CPMT 2302 ..... 3-2-4****Home Technology Integration** (47.0104)

A study of integration and maintenance of various home technology subsystems. Includes home automation, security and surveillance, home networks, video and audio networks, and structured wiring. TEC.

**CRIJ 1301 ..... 3-3-0****Introduction to Criminal Justice** (43.0104)

History, philosophy, and ethical considerations of criminal justice; the nature and impact of crime; and an overview of the criminal justice system, including law enforcement and court procedures. THIS COURSE IS CROSS-LISTED AS CJSA 1322. AC.

**CRIJ 1306 ..... 3-3-0****Court Systems & Practices** (22.0101)

Study of the judiciary in the American criminal justice system and the adjudication processes and procedures. THIS COURSE IS CROSS-LISTED AS CJSA 1313. AC.

**CRIJ 1307 ..... 3-3-0****Crime in America** (45.0401)

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. THIS COURSE IS CROSS-LISTED AS CJSA 1312. AC.

**CRIJ 1310 .....3-3-0****Fundamentals of Criminal Law** (22.0101)

Study of criminal law, its philosophical and historical development, major definitions and concepts, classifications and elements of crime, penalties using Texas statutes as illustrations, and criminal responsibility. AC.

**CRIJ 1313 .....3-3-0****Juvenile Justice System** (43.0104)

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. THIS COURSE IS CROSS-LISTED AS CJSA 1317. AC.

**CRIJ 2301 .....3-3-0****Community Resources in Corrections** (43.0104)

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. AC.

**CRIJ 2313 .....3-3-0****Correctional Systems & Practices** (43.0104)

Corrections in the criminal justice system; organization of correctional systems; correctional role; institutional operations; alternatives to institutionalization; treatment and rehabilitation; current and future issues. AC.

**CRIJ 2314 .....3-3-0****Criminal Investigation** (43.0104)

Investigative theory; collection and preservation of evidence; sources of information; interview and interrogation; uses of forensic sciences; case and trial preparation. THIS COURSE IS CROSS-LISTED AS CJSA 1342. AC.

**CRIJ 2323 .....3-3-0****Legal Aspects of Law Enforcement** (43.0104)

Police authority; responsibilities; constitutional constraints; laws of arrest, search, and seizure; police liability. AC.

**CRIJ 2328 .....3-3-0****Police Systems & Practices** (43.0104)

The police profession; organization of law enforcement systems; the police role; police discretion; ethics; police-community interaction; current and future issues. AC.

**CRTR 1004 ..... 13.0****CEUs Machine Shorthand I** (22.0303)

Instruction in general principles of real-time machine shorthand theory and skill building through read-back of dictation notes, machine practice, and transcription. This course is designed to be repeated to meet program requirements. WKFC.

**CRTR 1006 ..... 13.0****CEUs Machine Shorthand II** (22.0303)

Continued development of real-time shorthand skills through read-back, machine practice, and transcription. This course is designed to be repeated to meet program standards. WKFC.

**CRTR 2013 ..... 13.0****CEUs Court Reporting Technology II** (22.0303)

Instruction in the operation, maintenance, and assembly of a computer-aided transcription system, including the computer functions necessary for transcript production. WKFC.

**CRTR 1057 ..... 13.0****CEUs Literary/Jury Charge Dictation I** (22.0303)

Skills necessary to develop speed and accuracy. WKFC.

**CRTR 1059 ..... 13.0****CEUs Literary/Jury Charge Dictation II** (22.0303)

Continued skill development necessary for speed and accuracy in writing and transcribing literary/jury charge dictation. WKFC.

**CRTR 2031 ..... 12.5****CEUs Court Reporter Certification Preparation** (22.0303)

Preparation for taking the Texas Certified Shorthand Reporter and the Registered Professional Reporter examinations through the use of mock examinations. This course is designed to be repeated. WKFC.

**CTEC 2445 ..... 4-3-3****Unit Operations** (41.0301)

Instruction in the principles of chemical engineering and process equipment with emphasis on scale-up from laboratory bench to pilot plant. TEC.

**CTEC 2480 ..... 4-0-25****Cooperative Education-Chemical Technology** (41.0301)

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: Enrollment in Process Technology program, sophomore standing, 30 completed semester hours in program and departmental approval. TEC.

**DIRW 0400 ..... 4-4-0****Integrated Reading/Writing**

Integration of critical reading and academic writing skills. This course fulfills TSI requirements for reading and/or writing. CP.

**DMTH 0300 ..... 3-3-0****Pre-Algebra**

*Beginning fall 2021, this course will not be offered. Students should enroll in DMTH 0400.* Basic skills of whole numbers, decimals and fractions, ratio and proportions, percent, measurement, powers and roots, signed numbers, and geometry. Credit does not apply to any degree plan. CP.

**DMTH 0301 ..... 3-3-0****Introduction to Algebra**

*Beginning fall 2021, this course will not be offered. Students should enroll in DMTH 0401.* Basic skills, ratios and proportions, signed numbers, exponents, word problems, polynomials, solving and graphing linear equations, and system of equations. Credit does not apply to any degree plan. Prerequisite: DMTH 0300 or appropriate math placement score. CP.

**DMTH 0302 ..... 3-3-0****Intermediate Algebra**

*Beginning fall 2021, this course will not be offered. Students should consult with an advisor or their program director for guidance on what DMTH/MATH to enroll in.* Review of skills and concepts of basic algebra, signed numbers, linear equations and systems, quadratics, radicals, and logarithms. Credit does not apply to any degree plan. Prerequisite: DMTH 0301 or appropriate math placement score. CP.

**DMTH 0312 .....4-4-0****Developmental Mathematics co-requisite with MATH 1332 or MATH 1342**

This course is designed to prepare students for college-level mathematics and statistics with corequisite support. Basic skills of integers, decimals and fractions, ratio and proportions, percent, measurement, geometry, powers and roots, real numbers, variables, linear equations and inequalities, mathematical models, functions, and graphs Prerequisite: DMTH 0300 or DMTH 0301 or DMTH 0400 or appropriate math placement score. CP.

**DMTH 0314 .....3-3-0****Developmental Mathematics co-requisite with MATH 1314**

This course is designed to support college-level algebra. Topics include real and complex numbers, algebraic expressions, linear equations, inequalities and graphs, radicals, polynomials, factoring, and just-in-time support for college algebra topics. Satisfactory grade is contingent upon successful completion of college algebra. Credit does not apply to any degree plan. Prerequisite: DMTH 0300 or DMTH 0301 or DMTH 400 or appropriate math placement score. CP.

**DMTH 0400 .....4-4-0****Developmental Mathematics**

This course is designed to prepare students for college-level mathematics with corequisite support. Basic skills of integers, decimals and fractions, ratio and proportions, percent, measurement, geometry, powers and roots, real numbers, variables, linear equations and inequalities, mathematical models, functions, and graphs. Prerequisite: Appropriate math placement score. CP.

**DMTH 0401 .....4-4-0****Introduction to Algebra (for non-college math pathways)**

This course is for TSI-incomplete students with no college level math required in their degree plans. Review of basic skills, ratios, proportions and percentages, compound interest, measurement conversions, solving and graphing linear equations, inequalities, functions and systems of equations, basic polynomial, radical, rational, exponential and logarithmic equations and functions, probability and statistics. Prerequisite: DMTH 0300 or DMTH 0301 or

DMTH 0400 or appropriate math placement score. CP.

**DNTA 1241 .....2-1-2****Dental Laboratory Procedures (51.0601)**

Dental laboratory procedures including skills associated with chairside assisting; pouring, trimming, and polishing study casts, preliminary impressions, and fabrication provisional restorations. Prerequisite: DNTA 1305, DNTA 1311, DNTA 1315, and DNTA 1401. Corequisite: DNTA 1245, DNTA 1249, DNTA 1251, DNTA 1353, and DNTA 1660. TEC.

**DNTA 1245 .....2-1-2****Preventative Dentistry (51.0601)**

The study and prevention of dental diseases and community dental health. Prerequisite: DNTA 1305, DNTA 1311, DNTA 1315, and DNTA 1401. Corequisite: DNTA 1241, DNTA 1249, DNTA 1251, DNTA 1353, and DNTA 1660. TEC.

**DNTA 1249 .....2-1-2****Dental Radiology in the Clinic (51.0601)**

The practical application of exposing, processing, and mounting diagnostically acceptable radiographs obtained by utilizing various radiographic techniques. This course will encompass critical evaluation of all procedures. Prerequisite: DNTA 1305, DNTA 1311, DNTA 1315, and DNTA 1401. Corequisite: DNTA 1241, DNTA 1245, DNTA 1251, DNTA 1353, and DNTA 1660. TEC.

**DNTA 1251 .....2-1-2****Dental Office Management (51.0601)**

The study of business office procedures, including telephone management, appointment control, receipt of payment for dental services, completion of third-party reimbursement forms, supply inventory maintenance, data entry for charges and payments, record management (manage recall systems), federal and state guidelines regarding health care providers, and operating basic business equipment. Prerequisite: DNTA 1305, DNTA 1311, DNTA 1315, and DNTA 1401. Corequisite: DNTA 1241, DNTA 1245, DNTA 1249, DNTA 1353, and DNTA 1660. TEC.

**DNTA 1305 .....3-2-2****Dental Radiology** (51.0601)

Introduction to radiation physics, protection, the operation of radiographic equipment, exposure, processing and mounting of dental radiographs. Specific federal and state safety and standard practices for the classroom and lab settings will be practiced. Corequisite: DNTA 1311, DNTA 1315, and DNTA 1401. TEC.

**DNTA 1311 .....3-2-2****Dental Science** (51.0601)

Anatomical systems with emphasis placed on head and neck anatomy. Topics include the physiology and morphology of the deciduous and the permanent teeth along with basic dental terminology. Corequisite: DNTA 1305, DNTA 1315, and DNTA 1401. TEC.

**DNTA 1315 .....3-2-3****Chairside Assisting** (51.0601)

Pre-clinical chairside assisting procedures, instrumentation, infection and hazard control protocol, equipment safety and maintenance. Corequisite: DNTA 1305, DNTA 1311, and DNTA 1401. TEC.

**DNTA 1353 .....3-2-2****Dental Assisting Applications** (51.0601)

Dental assisting techniques with emphasis on four-handed dentistry and utilization of tray setups for general practice and specialty procedures. Prerequisite: DNTA 1305, DNTA 1311, DNTA 1315, and DNTA 1401. Corequisite: DNTA 1241, DNTA 1245, DNTA 1249, DNTA 1251, and DNTA 1660. TEC.

**DNTA 1401 .....4-3-2****Dental Materials** (51.0601)

Structure, properties, and procedures related to dental materials. Includes safety and American Dental Association regulated standard precautions. Corequisite: DNTA 1305, DNTA 1311, and DNTA 1315. TEC.

**DNTA 1660 .....6-0-18****Clinical I - Dental Assisting** (51.0601)

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. Prerequisite: DNTA 1305, DNTA 1311, DNTA 1315, and DNTA 1401.

Corequisite: DNTA 1241, DNTA 1245, DNTA 1249, DNTA 1251, and DNTA 1353. TEC.

**DNTA 2461 .....4-0-12****Clinical II - Dental Assisting** (51.0601)

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. Prerequisite: DNTA 1241, DNTA 1245, DNTA 1249, DNTA 1251, DNTA 1305, DNTA 1311, DNTA 1315, DNTA 1353, DNTA 1401, and DNTA 1660. TEC.

**DRAM 1310.....3-3-0****Theater Appreciation** (50.0501)

Survey of all phases of theater including its history, dramatic works, stage techniques, production procedures, and relation to the fine arts. Attendance at major productions may be required. AC.

**ECON 2301.....3-3-0****Principles of Macroeconomics** (45.0601)

History, development, and application of macroeconomic theory underlying the production, distribution, and exchange of goods and services including the national income analysis; fluctuation and growth; monetary and banking theory and policy; public finance; labor problems; international trade; and current economic problems. AC.

**ECON 2302.....3-3-0****Principles of Microeconomics** (45.0601)

History, development, and application of microeconomic theory underlying the production, distribution, and exchange of goods and services including the utilization of resources; analysis of value and prices; fiscal policies; labor problems; determination of output, prices, distribution; and current economic principles. AC.

**ECRD 1211 .....2-2-1****Electrocardiography** (51.0902)

Fundamentals of cardiovascular anatomy and physiology. Includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities. TEC.

**EDUC 1300 .....3-3-0****Learning Frameworks** (42.2701) **\*\*CROSS LISTED AS PSYC 1300**

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. AC.

**EDUC 1301 .....3-3-1****Introduction to the Teaching Profession** (13.0101)

An enriched, integrated pre-service course and content experience that: 1) provides active recruitment and institutional support of students interested in a teaching career, especially in high need fields; 2) provides students with opportunities to participate in early field observations at all levels of P-12 schools with varied and diverse student populations; 3) 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; 4) course content should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards; and 5) course must include a minimum of 16 contact hours of field experience in P-12 classrooms. AC.

**EDUC 2301 .....3-3-1****Introduction to Special Populations** (13.1001)

An enriched, integrated pre-service course and content experience that: 1) 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; 2) provides students with opportunities to participate in early field observations of P-12 special populations; 3) should be aligned as applicable with State Board for Educator

Certification Pedagogy and Professional Responsibilities standards; and 4) must include a minimum of 16 contact hours of field experience in P-12 classrooms with special populations. Prerequisite: EDUC 1301. AC.

**EMSP 1208 .....2-2-1****Emergency Vehicle Operations** (51.0904)

This course is offered as part of the AEMT – program. This course provides the student with instruction, discussion, demonstration, and driving range practice to prepare drivers of emergency vehicles to operate their vehicles safely in the emergency and non-emergency mode. TEC.

**EMSP 1260 .....2-0-5****Clinical I Basic** (51.0904)

This clinical course provides detailed education, training and work-based experience, and direct client care at a clinical site. The student will apply the theory, concepts and skills involving specialized materials, equipment, procedures, regulations, laws and interactions within the occupation, and the business/industry; demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, communication in the applicable language of the occupation and the business industry. TEC.

**EMSP 1438 .....4-2-4****Introduction to Advanced Practice** (51.0904)

Fundamental elements associated with emergency medical services to include preparatory practices, pathophysiology, medication administration and related topics. Corequisite: EMSP 2260. TEC.

**EMSP 1501 .....5-4-4****Emergency Medical Technician-Basic** (51.0904)

Preparation for certification as an Emergency Medical Technician (EMT) - Basic. Includes all the skills necessary to provide emergency medical care at a basic life support level with an emergency service or other specialized services. Corequisite: EMSP 1260. TEC.

**EMSP 2260 .....2-0-5****Clinical-Emergency Medical Technician** (51.0904)

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. Corequisite: EMSP 1438. TEC.

**ENGL 1301 .....3-3-0**

**Composition I** (23.1301)

Principles and intensive study and practice in techniques of written, expository, and persuasive composition; expository and persuasive texts; and critical thinking. Prerequisite: Passing English placement test(s). AC.

**ENGL 1302 .....3-3-0**

**Composition II** (23.1301)

Continuation of principles and intensive study and practice in techniques of written, expository, and persuasive composition; analysis of literary texts; and critical thinking. Prerequisite: ENGL 1301. AC.

**ENGL 2307 .....3-3-0**

**Creative Writing I** (23.1302)

Practical experience in the techniques of imaginative writing. May include fiction, nonfiction, poetry, screenwriting, or drama. Prerequisite: ENGL 1301. AC.

**ENGL 2322 .....3-3-0**

**British Literature I** (23.1404)

Selected significant works of British literature. May include study of movements, schools, or periods. Prerequisite: ENGL 1301. AC.

**ENGL 2323 .....3-3-0**

**British Literature II** (23.1404)

Selected significant works of British literature. May include study of movements, schools, or periods. Prerequisite: ENGL 1301. AC.

**ENGL 2326 .....3-3-0**

**American Literature** (23.1402)

Selected significant works of American literature. May include study of movements, schools, or periods. Prerequisite: ENGL 1301. AC.

**ENGL 2331 .....3-3-0**

**World Literature** (16.0104)

Selected significant works of World literature. May include study of movements, schools, or periods. Prerequisite: ENGL 1301. AC.

**ENGL 2341 .....3-3-0**

**Forms of Literature** (16.0104)

The study of one or more literary genres including, but not limited to, poetry, fiction, drama, and film. Prerequisite: ENGL 1301. AC.

**EPCT 1301.....3-3-1**

**Hazardous Waste Operations and Emergency Response Training (HAZWOPER)** (15.0507)

Minimum certification requirements in the Code of Federal Regulations (CFR) for a hazardous waste site worker as found in 29 CFR-1910.120 and 40 CFR-264.16. TEC.

**EPCT 1305.....3-3-0**

**Environmental Regulations Overview** (15.0507)

An overview of federal and state (Texas) regulations, the history of the environmental movement, and basic requirements for compliance with the environmental regulations. Regulations covered in this course include RCRA, CERCLA, Emergency Planning, Community/Worker Right-to-Know, TSCA, OSHA, Clean Air Act, Clean Water Act, and basic DOT regulations. TEC.

**EPCT 1341.....3-3-0**

**Principles of Industrial Hygiene** (15.0507)

Concepts in threshold limits, dose response, and general recognition of occupational hazards, including sampling statistics, calibration, and equipment use. A study of the control of occupational hazards and sample collection and evaluation methods. TEC.

**EPCT 1349.....3-3-0**

**Environmental Regulation Interpretation & Applications** (15.0507)

An in-depth study of the major federal and state environmental regulations. TEC.

**EPCT 2489.....4-0-12**

**Internship - Environmental Engineering Technology** (15.0507)

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. Prerequisite: Enrollment in Industrial Technology Program or Safety, Health, and Environmental Certificate program, completion of 30 semester hours in program, and departmental approval. TEC.



**FORS 2440.....4-3-2****Introduction to Forensic Science** (43.0106)

Survey of the procedures of crime scene investigation in gathering evidence and applicable scientific technologies that follow established protocols by first responders; a preview of how criminalists in forensic laboratories will process the gathered evidence presented. Prerequisite: CRIJ 1310 and CRIJ 2314. Permission of the Director of Criminal Justice is required. A natural science with a lab is recommended. AC.

**FORS 2450.....4-3-2****Introduction to Forensic Psychology** (43.0106)

Survey of current perspectives and technologies in the analysis of criminal mind suggested by crime scene evidence; introduction applications of forensic psychology including the history and current practice of criminal profiling in the apprehension of serial killers as sexual predators. Prerequisite: CRIJ 1310, CRIJ 2314 and PSYC 2301. Permission of the Director of Criminal Justice is required. A natural science with a lab is recommended. AC.

**GEOG 1301.....3-3-0****Physical Geography** (45.0701)

Introduction to the concepts which provide a foundation for continued study of geography. Includes the different elements of natural environment as related to human activities, modes of living, and map concepts. AC.

**GEOG 1302.....3-3-0****Cultural Geography** (45.0701)

Introduction to the concepts which provide a foundation for continued study of geography. Includes the different elements of natural environment as related to human activities, modes of living, and map concepts. AC.

**GEOL 1403.....4-3-1****Physical Geology (Lecture)** (40.0601)

Introduction to the study of the materials and processes that have modified and shaped the surface and interior of Earth over time. These processes are described by theories based on experimental data and geologic data gathered from field observations. Laboratory activities will cover methods used to collect and analyze earth science data. AC.

**GEOL 1404.....4-3-1****Historical Geology (Lecture)** (40.0601)

A comprehensive survey of the history of life and major events in the physical development of Earth as interpreted from rocks and fossils. 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. AC.

**GOVT 2304 .....3-3-0****Introduction to Political Science** (45.1001)

Introductory survey of the discipline of political science focusing on the scope, 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. AC.

**GOVT 2305 .....3-3-0****Federal Government** (45.1002)

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: TSI complete/exempt or DIRW complete; recommends ENGL 1301 complete. AC.

*NOTE: Government courses DO NOT have to be taken in sequence.*

**GOVT 2306 .....3-3-0****Texas Government** (45.1002)

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: TSI complete/exempt or DIRW complete; recommends ENGL 1301 complete. AC.

*NOTE: History courses DO NOT have to be taken in sequence.*

**HIST 1301.....3-3-0****United States History I** (54.0102)

Survey of the political, social, economic, military, cultural, and intellectual history of the United States from the discovery of America to reconstruction. AC.

*NOTE: History courses DO NOT have to be taken in sequence.*

**HIST 1302.....3-3-0****United States History II** (54.0102)

Survey of the political, social, economic, military, cultural, and intellectual history of the United States from reconstruction to the present. AC. *NOTE: History courses DO NOT have to be taken in sequence.*

**HIST 2301.....3-3-0****Texas History** (54.0102)

Survey of Texas from the Spanish exploration to the present. AC.

**HIST 2321.....3-3-0****World Civilizations I** (54.0101)

Survey of ancient and medieval history with emphasis on Asian, African, and European cultures. AC.

**HIST 2322.....3-3-0****World Civilizations II** (54.0101)

Survey of modern history and culture of Asia, Africa, Europe, and the Americas. AC.

**HITT 1305.....3-3-0****Medical Terminology I** (51.0707)

Study of word origin and structure through the introduction of prefixes, suffixes, root words, plurals, abbreviations and symbols, surgical procedures, medical specialties, and diagnostic procedures. TEC.

**HUMA 1315.....3-3-0****Fine Arts Appreciation** (50.0101)

Understanding purposes and processes in the visual and musical arts including evaluation of selected works. AC.

**HYDR 1305.....3-2-2****Basic Hydraulics** (15.1103)

Fundamentals of hydraulics including safety types of hydraulic pumps, cylinder, valves, motors, and related systems. Introduction to hydraulic schematic symbols as related to components. TEC.

**INCR 1402.....4-3-4****Physics of Instrumentation** (15.0404)

An introduction to simple control loops. Introduction to pressure, temperature, level, and flow transmitters and the various transducers used in the detection of changes in process variables. TEC.

**INCR 1442.....4-3-4****Measurement and Process Control Theory** (15.0404)

A study of the basic principles of process automation and their applications including basic control concepts, feedback control, sensors and transmission systems, controllers, control valves, process dynamics, tuning control systems, and cascade ratio. TEC.

**INTC 1301.....3-0-0****Principles of Industrial Measurements I** (15.0404)

Principles of measurement. Includes operation of devices used to measure process variables and basic control functions. TEC.

**INTC 1358.....3-0-0****Flow and Measurement Calibration** (15.0404)

Practical methods of flow measurements and flow integration. Emphasizes primary flow element selection and calculations in accordance with American Gas Association (AGA) and American Petroleum Institute (API) standards. TEC.

**INTC 1457.....4-3-4****AC/DC Circuits** (15.0404)

A study of electric motors and motor control devices common to a modern industrial environment. A presentation of motor characteristics with emphasis on starting, speed control, and stopping systems. TEC.

**INTC 2480.....4-1-21****Cooperative Education – Instrumentation Technology/Technician** (15.0404)

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: Enrollment in Instrumentation program, sophomore standing, 30 completed semester hours in program, and departmental approval. TEC.

**ITCC 1314.....3-2-4****Introduction to Networks** (11.1002)

This course covers networking architecture, structure, 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. TEC.

**ITCC 1344.....3-2-4**  
**CCNA 2 Switching, Routing and Wireless Essentials** (11.1002)

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. TEC.

**ITDF 1300.....3-2-3**  
**Introduction to Digital Forensics** (11.1003)

A study of the application of digital forensic technology to collect, analyze, document, and present information while maintaining a documented chain of custody. Overview of ethics, crime, and other legal guidelines/regulations/laws. Includes overview of tools used for forensic analysis of digital devices in investigations. Suggested prerequisite: ITSC 1325 or concurrent enrollment. TEC.

**ITNW 1313 .....3-2-3**  
**Computer Virtualization** (11.0901)

Implement and support virtualization of clients of servers in a networked computing environment. This course explores installation, configuration, and management of computer virtualization workstation and servers. Suggested prerequisite: ITSC 1325 or concurrent enrollment. TEC.

**ITNW 1336 .....3-2-3**  
**Cloud Deployment & Infrastructure Management**

(11.0901)  
 Focus on Cloud infrastructure, deployment, security models, and key considerations in migrating to Cloud computing. Includes the technologies and processes to build on-premise and Cloud environments, including computation, storage, networking, virtualization, business continuity, security, and management. TEC.

**ITNW 1354 .....3-2-2**  
**Implementing and Supporting Servers** (11.0901)

Implement, administer, and troubleshoot information systems that incorporate servers in a networked computing environment. Suggested prerequisite: ITSC 1325 or concurrent enrollment. TEC.

**ITSC 1325.....3-2-3**  
**Personal Computer Hardware** (47.0104)

Current personal computer hardware including assembly, upgrading, setup, configuration, and troubleshooting. TEC.

**ITSC 2387.....3-0-9**  
**Internship - Computer and Information Sciences, General** (11.0101)

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. This may be a paid or unpaid experience. See instructor the semester prior to internship. Prerequisite: Enrollment in Information Technology Support Specialist program, sophomore standing, 30 completed semester hours in program, and departmental approval. TEC.

**ITSE 1331 .....3-2-3**  
**Introduction to Visual Basic Programming**

(11.0201) Introduction to computer programming using Visual Basic. Emphasizes the fundamentals of structured design, development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files.

**ITSE 1345 .....3-2-3**  
**Introduction to Oracle SQL** (11.0201)

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). TEC.

**ITSE 1359 .....3-2-3**  
**Introduction to Scripting Languages** (11.0201)

Introduction to scripting languages including basic data types, control structures, regular expressions, input/output, and textual analysis. TEC.

**ITSW 1304.....3-2-3**  
**Introduction to Spreadsheets** (11.0301)

Instruction in the concepts, procedures, and application of electronic spreadsheets. TEC.

**ITSY 1342.....3-2-2**  
**Information Technology Security** (11.1003)

Instruction in security for network hardware, software, and data including physical security,

backup procedures, relevant tools, encryption, and protection from viruses. TEC.

**ITSY 2301.....3-2-3**

**Firewalls and Network Security** (11.1003)

Identify elements of firewall design, types of security threats and responses to security attacks. Use Best Practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities. Prerequisite: ITSY 1342 or concurrent enrollment. TEC.

**MATH 1314.....3-3-0**

**College Algebra** (27.0101)

In-depth study and application 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: Passing grade in DMTH 0302 or DMTH 0300/0301/0400, or appropriate placement test score. DMTH 0314 is a corequisite for non-TSI complete students. If DMTH 0300/0301/0400 is used as a prerequisite, DMTH 0314 and NCBM 0114 is required corequisite. AC.

**MATH 1316.....3-3-0**

**Plane Trigonometry** (27.0101)

In-depth study and applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates and parametric equations may be included. Prerequisite: Passing grade in DMTH 0302 or appropriate placement test score. AC.

**MATH 1324.....3-3-0**

**Mathematics for Business & Social Sciences** (27.0301)

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: DMTH 0302 or appropriate placement test score. AC.

**MATH 1325.....3-3-0**

**Calculus for Business & Social Sciences** (27.0301)

Basic study of limits and continuity, derivatives, graphing and optimization, exponential and logarithmic functions, antiderivatives, integration, applications to management, economics, and business. Prerequisite: MATH 1314 or MATH 1324. AC.

**MATH 1332.....3-3-0**

**Contemporary Mathematics I** (27.0101)

Topics may include introductory treatments of sets, logic, number systems, number theory, relations, functions, probability and statistics. Appropriate applications are included. Prerequisite: DMTH 0302, DMTH 0312 or appropriate placement test score. AC.

**MATH 1342.....3-3-0**

**Elementary Statistical Methods** (27.0501)

Presentation and interpretation of data, probability, sampling, correlation and regression, analysis of variance, and the use of statistical software. AC.

**MATH 1350.....3-3-0**

**Mathematics for Teachers I (Fundamentals of Mathematics I)** (27.0101)

Concepts of sets, functions, numeration systems, number theory, and properties of the natural numbers, integers, rational, and real number systems with an emphasis on problem solving and critical thinking. Prerequisite: MATH 1314 or equivalent. AC.

**MATH 1351.....3-3-0**

**Mathematics for Teachers II (Fundamentals of Mathematics II)** (27.0101)

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 equivalent. AC.

**MATH 2305.....3-3-0**

**Discrete Mathematics** (27.0501)

Introductory mathematical logic, mathematical induction, relations and functions, basic counting techniques, graphs and trees, and applications to computing devices. Prerequisite: MATH 1314 or equivalent. AC.

**MATH 2312 .....3-3-0****Pre-Calculus Math** (27.0101)

Applications of algebra and trigonometry to the study of elementary functions and their graphs including polynomial, rational, exponential, logarithmic, and trigonometric functions. May include topics from analytical geometry. Prerequisite: MATH 1314 or appropriate placement test score. AC.

**MATH 2413 .....4-4-0****Calculus I** (27.0101)

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 2312 or equivalent. AC.

**MDCA 1254 .....2-3-0****Medical Assisting Credentialing Exam Review** (51.0801)

A preparation for one of the National Commission for Certifying Agencies (NCCA) recognized credentialing exams. TEC.

**MRKG 1301.....3-3-0****Customer Relationship Management** (52.1401)

General principles of customer service including skills, knowledge, attitudes, and behaviors. TEC.

**MRKG 1311.....3-3-0****Principles of Marketing** (52.1401)

Introduction to the marketing mix functions and process. Includes identification of consumer and organizational needs and explanation of environmental issues. TEC.

**MSSG 1005 .....2.0****CEUs Hydrotherapy/Therapeutic Modalities** (51.3501)

The use of accepted hydrotherapy and holistic healthcare modalities of external application of temperature for its reflexive effect. WKFC.

**MSSG 1007 .....4.5****CEUs Business Practices and Professional Ethics** (51.3501)

The study of physical and financial office practices and marketing. Includes ethical practices for massage therapists as established by law or regulatory agency. WKFC.

**MSSG 1009 .....2.0****CEUs Health and Hygiene** (51.3501)

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. WKFC.

**MSSG 1011 .....12.5****CEUs Massage Therapy Fundamentals I** (51.3501)

Introduction to the theory and the application of skills necessary to perform basic massage skills. WKFC.

**MSSG 1013 .....7.5****CEUs Anatomy & Physiology for Massage** (51.3501)

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-contact-hour requirement for Anatomy and Physiology for licensure. WKFC.

**MSSG 2011 .....10.0****CEUs Massage Therapy Fundamentals II** (51.3501)

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. Pre-requisite MSSG 1011. WKFC.

**MSSG 2013 .....5.0****CEUs Kinesiology for Massage** (51.3501)

Applied study of human kinesiology. Muscle movements and dysfunctions will be discussed and palpated. Includes theory and practice of functional muscle testing. Pre-requisite MSSG 1013 WKFC.

**MSSG 2014.....4.0****CEUs Pathology for Massage** (51.3501)

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. Pre-requisite MSSG 1013. WKFC.

**MSSG 2086.....5.0****CEUs Internship – Massage Therapy, Therapeutic Massage** (51.3501)

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. WKFC.

**MUSI 1181.....1-1-0****Piano** (50.0907)

Class instruction in the fundamentals of keyboard technique for beginning piano students. AC.

**MUSI 1183.....1-1-0****Voice** (50.0908)

Class instruction in the fundamentals of singing, including breathing, tone production, and diction. Designed for students with little or no previous voice training. AC.

**MUSI 1306.....3-3-0****Music Appreciation** (50.0902)

Understanding music through the study of cultural periods, major composers, and musical elements. Illustrated with audio recordings and live performances. AC.

**NAUT 1264.....2-0-0-15****Internship / Practicum (Dispatch or Sea time)**

(49.0309) This course builds on the information presented in previous courses, putting together the components of equipment. The student will apply the knowledge taught in previous courses to understand how individual pieces of equipment work, how they interconnect and how they contribute to overall plant operations. The student will arrange process equipment, explain how factors affecting process equipment are controlled under normal conditions and recognize abnormal process industry equipment. Pre-requisite and/or Co-requisite: NAUT 1371, NAUT 1372 and NAUT 1374. TEC.

**NAUT 1371.....3-3-1****Intro to Tugs and Towing** (49.0309)

Introduction to Tugs and Towing exposes students to the basic concepts of tugs and towing in the Maritime industry. It is an entry level course with concepts and basic application of skills necessary to perform commands necessary to operate a tug and tow and nomenclature. Pre-requisite and/or Co-requisite: NAUT 1372 and NAUT 1374. TEC.

**NAUT 1372.....3-3-1****Seamanship I** (49.0309)

This course is a study of seamanship designed to introduce the student to the maritime workplace and prepare them for employment. The students are prepared for the role of Able Bodies Seaman and assignment to lookout and watch keeping duties aboard inland, coastal, and ocean-going vessels. Vessel Security Officer responsibilities will also be addressed. This course is designed to teach new skills to the entry-level mariner with minimal sea-going experience and serves to increase awareness and promote safety in maritime surroundings. Corequisite: NAUT 1374, NAUT 1371, and NAUT 2274. TEC.

**NAUT 1373.....3-3-1****Marine Dry Cargo Operations** (49.0309)

An overview of modern dry cargo principles associated with handling of general cargo, refrigerated cargo, dangerous cargo, containers, roll-on, roll off; cargo ventilation, securing of cargo, stability and trim, cargo gear stresses and heavy lift operations; documentation required for cargo operations, along with practical stowage problems. Pre-requisite and/or Co-requisite: NAUT 1264, NAUT 1371, NAUT 1372, NAUT 1374, and NAUT 1371. TEC.

**NAUT 1374.....3-2-2****Basic Safety and Survival** (49.0309)

This course combines the four modules of SCTW Basic Safety Training: Basic Firefighting, Personal Safety Social Responsibility, Personal Survival and First Aid CPR, with a module on Proficiency in Survival Craft to provide a comprehensive introduction to safety and survival at sea. This course provides required practical lifeboat and lifesaving training for certification as Life Boatman by the U.S. Coast Guard. Hands on training will include time on a fire training field, work in pools with life raft and survival gear and launching and rowing a

lifeboat. Corequisite: NAUT 1372, NAUT 1371, and NAUT 2274. TEC.

**NAUT 1375.....3-2-3**

**Terrestrial Navigation** (49.0309)

A course in the technical and practical concepts of Terrestrial Navigation. Includes terrestrial coordinates, nautical charts, navigation publications, plotting and position lines, navigation aids, compass corrections, set and drift, charts and chart work, and logbooks. This course provides the background introductory knowledge in planning a voyage; and to support the task, duties, and responsibilities in navigation vessels. Pre-requisite and/or Co-requisite: NAUT 1264, NAUT 1371, NAUT 1372 and NAUT 1374. TEC.

**NAUT 1376.....3-3-1**

**Ship Stability and Trim** (49.0309)

Presentation and use of models/simulation to enable students the ability to analyze and experiment with the principles of stability. Discuss and present the knowledge and skills required to manage the stability related requirements of a vessel. Pre-requisite and/or Co-requisite: NAUT 1264, NAUT 1371, NAUT 1372, NAUT 1373, NAUT 1374, NAUT 1375, NAUT 2265, NAUT 2371. TEC.

**NAUT 2274.....2-2-1**

**Basic Stability and Ship Construction** (49.0309)

This course provides the background knowledge for a thorough understanding of the calculations for vessel stability and trim, basic ship construction features and terminology, and principles of stability. Subjects include: ship dimensions, ship stress, hull structure, rudders and propellers, displacement, buoyancy, static and initial stability, list, trim, and free surface effect, principles, terms and procedures used in the determination of transverse, longitudinal and damage stability of ships. Also included are analyses of case studies involving loss of stability and how to perform trim and stability calculations. The course covers ship design and construction as it relates to all types of vessels as well. Topics include hull structure and components, vessel design process, design stresses, tonnage measurements and load line assignments. This course aims to meet the mandatory minimum requirements for knowledge, understanding and proficiency in

table A-II of STWC 1995 for the function of Navigation at the Officer in Charge of Navigational Watch on vessels of 500 or more gross tonnage (ITC) Level. Corequisite: NAUT 1372, NAUT 1374, and NAUT 1371. TEC.

**NAUT 2265.....2-0-0-15  
Internship / Practicum (Dispatch or Sea time)**

(49.0309)

This course builds on the information presented in previous courses, putting together the components of equipment. The student will apply the knowledge taught in previous courses to understand how individual pieces of equipment work, how they interconnect and how they contribute to overall plant operations. The student will arrange process equipment into basic systems, describe the purpose and function of specific process equipment, explain how factors affecting process equipment are controlled under normal conditions and recognize abnormal process industry equipment. Pre-requisite and/or Corequisites: NAUT 1264, NAUT 1371, NAUT 1372, NAUT 1373, NAUT 1374, NAUT 1375, NAUT 2274, NAUT 2371. TEC.

**NAUT 2371.....3-2-3**

**Tugs and Towing Operations** (49.0309)

Advanced knowledge associated with the safe, efficient operation of towing vessels. Pre-requisite and/or Corequisites: NAUT 1371, NAUT 1372 and NAUT 1374. TEC.

**NAUT 2375.....3-2-3**

**Deck Seat Training I: Basic Communication, Navigation and Seamanship** (49.0309)

Advanced knowledge and skills required before taking a small boat to sea, or taking an active part in running a boat. Presentation of charts and associated publications used in the Maritime industry. Topics include buoyage, harbor maneuvering, navigation foundations, and safety. Pre-requisite and/or Corequisites: NAUT 1264, NAUT 1371, NAUT 1372, NAUT 1373, NAUT 1374, NAUT 1375, NAUT 2274, NAUT 2265, NAUT 2371. TEC.

**NAUT 2376.....3-2-3**

**Integrated Navigation I: Radar/ARPA/ECDIS**

(49.0309)

Operation of different types of radars (Radio Detection and Ranging), ARPA (Automatic Radar Plotting Aid) and ECDIS (Electronic Chart Display and Information System) using simulated

stand-alone full-mission bridge with an electronic vessel conning station, a 60-degree visual view, and Radar/ARPA and ECDIS/AIS units. Pre-requisite and/or Corequisites: NAUT 1371, NAUT 1372 and NAUT 1374. TEC.

**NAUT 2377 .....3-3-0**  
**Navigation Rules – International and Inland**  
 (49.0309)

Instruction on the U.S. Inland and International (COLREGs) Navigation Rules of the Road covering the examination topics for watchkeeping, COLREGS and Inland Navigation Rules. Pre-requisite and/or Corequisites: NAUT 1264, NAUT 1371, NAUT 1372, NAUT 1373, NAUT 1374, NAUT 1375, NAUT 2274, NAUT 2265, NAUT 2371. TEC.

**NCBM 0101 .....1-0-1**

**Non-Course Based Mathematics** (32.0104)  
 Topics in mathematics such as arithmetic operations, basic algebraic concepts and notation, geometry, and real and complex number systems. Corequisite: DMTH 0301. CP.

**NCBM 0102 .....1-0-1**

**Non-Course Based Mathematics** (32.0104)  
 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. Corequisite: DMTH 0302. CP.

**NCBM 0114 .....1-0-1**

**Non-Course Based Mathematics** (32.0104)  
 This course is designed to support college-level algebra. Topics include real and complex numbers, algebraic expressions, linear equations, inequalities and graphs, radicals, polynomials, factoring, and just-in-time support for college algebra topics. Satisfactory grade is contingent upon successful completion of college algebra. Credit does not apply to any degree plan. Corequisite: DMTH 0314 and MATH 1314. CP.

**OSHT 2401 .....4-2-4**

**OSHA Regulations - General Industry** (15.0701)  
 A study of Occupational Safety and Health Administration (OSHA) regulations pertinent to general industry. TEC.

**PHIL 1301 .....3-3-0**

**Introduction to Philosophy** (38.0101)  
 Introduction to the study of ideas and their logical structure, including arguments and investigations about abstract and real phenomena. Includes introduction to the history, theories, and methods of reasoning. AC.

**PHIL 2321 .....3-3-0**

**Philosophy of Religion** (38.0201)  
 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. AC.

**PHRA 1301 .....3-3-0**

**Introduction to Pharmacy** (51.0805)  
 An overview of the qualifications, operational guidelines, and job duties of a pharmacy technician. This course teaches pharmacy technician students information, techniques, and procedures needed to assist the pharmacist in delivery of pharmaceutical products and services. The main objective is to provide the students with a working knowledge of most aspects of pharmacy in community, institution, and other practice settings. This course includes learning modules 1-8, 10, 13-21, 23-27, 29-36, 38, 40-43, and 45 from the American Society of Health-System Pharmacists' *Module Curriculum for Pharmacy Technician Training (Third Edition)*. Corequisite: PHRA 1305, PHRA 1313, and PHRA 2360. TEC.

**PHRA 1304 .....3-3-0**

**Pharmacotherapy and Disease Process**  
 (51.0805)  
 A study of the disease state and therapeutic properties of drugs used in pharmaceutical therapy. This course includes the application of objectives from learning modules 9, 11, 16, and 20 from the American Society of Health-System Pharmacists' *Model Curriculum for Pharmacy Technician Training (Third Edition)*. Prerequisite: PHRA 1301, PHRA 1305, PHRA 1313, and PHRA 2360. Corequisite: PHRA 1309, PHRA 1349, PHRA 1445, and PHRA 2361. TEC.

**PHRA 1305 .....3-3-0**

**Drug Classification** (51.0805)  
 A study of pharmaceutical drugs, abbreviations, classifications, dosages, side effects, and routes



of administration. This course includes the learning modules 8, 9, 11, 23-25, 39, and 40 from the American Society of Health-System Pharmacists' *Module Curriculum for Pharmacy Technician Training (Third Edition)*. Corequisite: PHRA 1301, PHRA 1313, and PHRA 2360. TEC.

**PHRA 1309 .....3-2-2**

**Pharmaceutical Mathematics I** (51.0805)

Pharmaceutical mathematics including reading, interpreting, and solving calculation problems encountered in the preparation and distribution of drugs. Pharmaceutical mathematics including reading, interpreting, and solving calculation problems encountered in the preparation and distribution of drugs. This course includes the learning modules 7, 8, 12, 13, 28, and 32 from the American Society of Health-System Pharmacists' *Module Curriculum for Pharmacy Technician Training (Third Edition)*. Prerequisite: PHRA 1301, PHRA 1305, PHRA 1313, and PHRA 2360. Corequisite: PHRA 1304, PHRA 1349, PHRA 1445, and PHRA 2361. TEC.

**PHRA 1313 .....3-2-4**

**Community Pharmacy Practice** (51.0805)

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. This course includes the application of objectives from learning modules 1-3, 5-6, 10-11, 13, 17-18, 20, 24-26, 29, 31, 33, 36-37, 41, and 42 from the American Society of Health-System Pharmacists' *Model Curriculum for Pharmacy Technician Training (Third Edition)*. Corequisite: PHRA 1301, PHRA 1305, and PHRA 2360. TEC.

**PHRA 1345 .....3-2-2**

**Compounding Sterile Preparations** (51.0805)

This course provides pharmacist and technician focused instruction and training for the successful production of sterile parenteral preparations, a major responsibility of the pharmacy technician in hospitals, long-term care facilities, and home healthcare. The process of compounding sterile preparations and aseptic technique within legal and regulatory guidelines specified by USP <797>standards. A study of sterile products, hand

washing techniques, pharmaceutical calculations, references, safety techniques, aseptic techniques in parenteral compounding, proper use of equipment, preparation of sterile products, and safe handling of antineoplastic drugs. This important work requires the mastery of aseptic technique: the procedures that avoid introducing pathogens into sterile products, ensure patient safety, and maintain product consistency. CPE activity completers will receive certificate of course completion and statement of ACPE credit for 40 hours/4.0 CEUs. (Note: this course is an "IV certification" course.) Prerequisite: Registered Pharmacist, Certified Pharmacy Technician or prior approval from Program Director. TEC.

**PHRA 1349 .....3-2-4**

**Institutional Pharmacy Practice** (51.0805)

Fundamentals of the diverse roles and practice of pharmacy technicians in an institutional pharmacy setting. In-depth coverage of hospital pharmacy organization, work flow and personnel, safety techniques, data entry, packaging and labeling operations, inpatient drug distribution systems including investigational drugs, continuous quality improvement and inventory control. This course includes the application of objectives from learning modules 1-8, 7-13, 17, 18, 20, 21, 23, 25-28, 32, 33, 35, 36, 39, 41, and 45 from the American Society of Health-System Pharmacists' *Model Curriculum for Pharmacy Technician Training (Third Edition)*. Prerequisite: PHRA 1301, PHRA 1305, PHRA 1313, and PHRA 2360. Corequisite: PHRA 1304, PHRA 1309, PHRA 1445, and PHRA 2361. TEC.

**PHRA 1445 .....4-2-4**

**Intravenous Admixture and Sterile Compounding** (51.0805)

The process of compounding sterile preparations and aseptic technique within legal and regulatory guidelines specified by USP <797> standards. This course provides technician-focused instruction and training for the successful production of sterile parenteral preparations, a major responsibility of the pharmacy technician in hospitals, long-term care facilities, and home healthcare. This course includes the learning modules 1, 2, 5, 7, 10, 12-14, 17, 20-23, 25-26, 28, 30, 35, 41, and 44-45 from the American Society of Health-System Pharmacists' *Module Curriculum for Pharmacy Technician Training*

(Third Edition). Prerequisite: PHRA 1301, PHRA 1305, PHRA 1313, and PHRA 2360. Corequisite: PHRA 1304, PHRA 1309, PHRA 1349, and PHRA 2361. TEC.

**PHRA 2360.....3-0-12**  
**Clinical - Pharmacy Technician** (51.0805)

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. This course provides students the opportunity to experience detailed education, training, work-based experience and direct patient or client care at a retail, institutional or long-term care clinical site. This course includes the application of objectives from learning modules 1-14, 17-29, 31-33, 35, 38, 39, 40, 43, and 44 from the American Society of Health-System Pharmacists' *Module Curriculum for Pharmacy Technician Training (Third Edition)*. Corequisite: PHRA 1301, PHRA 1305, and PHRA 1313. TEC.

**PHRA 2361.....3-0-12**  
**Clinical - Pharmacy Technician** (51.0805)

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. This capstone course provides practical clinical experience in retail, institutional and long-term care settings. This course includes the application of objectives from learning modules 1-14, 17-18, 20-28, 30, 32, 33, 35-36, 38, 39, and 43 from the American Society of Health-System Pharmacists' *Module Curriculum for Pharmacy Technician Training (Third Edition)*. Prerequisite: PHRA 1301, PHRA 1305, PHRA 1313, and PHRA 2360. Corequisite: PHRA 1304, PHRA 1309, PHRA 1349, and PHRA 1445. TEC.

**PHYS 1401.....4-3-1**  
**College Physics I (Lecture + Lab)** (40.0801)

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 on problem solving. 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 on problem solving. Prerequisite: MATH 1314 or equivalent. Corequisite: PHYS 1101. AC.

**PHYS 1405.....4-3-1**  
**Elementary Physics I (Lecture + Lab)** (40.0801)

Conceptual level survey of topics in physics intended for liberal arts and other non-science majors. AC.

**PHYS 1407.....4-3-1**  
**Elementary Physics II (Lecture + Lab)** (40.0801)

Conceptual level survey of topics in physics intended for liberal arts and other non-science majors. Corequisite: PHYS 1107. AC.

**PHYS 2425.....4-3-1**  
**University Physics I (Lecture + Lab)** (40.0101)

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; emphasis on problem solving. Basic laboratory experiments supporting theoretical principles 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. Prerequisite: MATH 2413. AC.

**PLAB 1160.....1-0-3**  
**Clinical-Phlebotomy** (51.1009)

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. Corequisite: PLAB 1223. TEC.

**PLAB 1223.....2-1-3**  
**Phlebotomy** (51.1009)

Skill development in the performance of a variety of blood collection methods using proper techniques and standard precautions. Includes vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture, and specimen collection on adults, children, and infants. Emphasis on infection

prevention, patient identification, specimen labeling, quality assurance, specimen handling, processing, accessioning, professionalism, ethics, and medical terminology. Corequisite: PLAB 1160. TEC.

**PSYC 1300.....3-3-0**

**Learning Frameworks** (42.2701) **\*\*CROSS LISTED AS EDUC 1300**

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. AC.

**PSYC 2301.....3-3-0**

**General Psychology** (42.0101)

Survey of major topics in psychology. Introduces the study of behavior and the factors that determine and affect behavior. Prerequisite: TSI complete/exempt or DIRW complete. AC.

**PSYC 2307.....3-3-0**

**Adolescent Psychology** (42.2703)

Study of the relationship of the physical, emotional, social and mental factors of growth and development of children from adolescence through young adulthood. Prerequisite: TSI complete/exempt or DIRW complete. AC.

**PSYC 2308.....3-3-0**

**Child Psychology** (42.2703)

Study of the relationship of the physical, emotional, social and mental factors of growth and development of children from conception through adolescence. Prerequisite: TSI complete/exempt or DIRW complete. AC.

**PSYC 2314.....3-3-0**

**Lifespan Growth and Development** (42.2703)

Study of the relationship of the physical, emotional, social and mental factors of growth

and development of children and throughout the lifespan. Prerequisite: TSI complete/exempt or DIRW complete. AC.

**PTAC 1302 ..... 3-2-2**

**Introduction to Process Technology** (41.0301)

Introduction to the processing industries in the oil refinery and petrochemical industry, including operator roles, responsibilities and expectations; plant terminology; safety and environmental responsibilities; applied organic and inorganic chemistry; applied physics; plant equipment; utility systems; product handling; flow diagrams; and general process overview of process operating technology including the mental and physical requirements of the process operator career. Plant tour may be conducted. TEC.

**PTAC 1408 ..... 4-4-0**

**Safety, Health and Environment I** (41.0301)

Development of knowledge and skills to reinforce the attitudes and behaviors required for safe and environmentally sound work habits. Emphasis on occupational safety, health, and environmental practices and associated equipment including: safety mindset and attitude; personal safety equipment; general safety policies and procedures; hazards communications; HAZWOPER/emergency response; first aid and CPR; industrial hygiene; exposure monitoring; and regulatory compliance issues. This course will give students an overview of various governmental regulations mandated by OSHA, EPA, SARA, RCRA, DOT, NFPA, etc. TEC.

**PTAC 1410 ..... 4-3-2**

**Process Technology I - Equipment** (41.0301)

Instruction in the use of common process equipment. This course builds on the information presented in previous courses putting the components of equipment together. Students will apply the knowledge taught in previous courses to understand how individual equipment work, how they interconnect, and how they contribute to overall plant operations. The student will arrange process equipment into basic systems; describe the purpose and function of specific process equipment; explain how factors affecting process equipment are controlled under normal conditions; and recognize abnormal process conditions. This course covers the petroleum refining industry and petrochemical industry equipment. Corequisite: PTAC 1302. TEC.

**PTAC 1432.....4-3-2****Process Instrumentation I** (41.0301)

Study of the instruments and control systems used in the process industry including terminology, process variables, symbology, control loops, and basic troubleshooting. TEC.

**PTAC 2314.....3-3-0****Principles of Quality** (41.0301)

Study of the background and application of quality concepts. Topics include team skills, quality tools, statistics, economics and continuous improvement. TEC.

**PTAC 2420.....4-3-3****Process Technology II - Systems** (41.0301)

A study of the various process systems and the equipment, including related scientific principles. Suggested prerequisite: PTAC 1302 and PTAC 1410. TEC.

**PTAC 2438.....4-3-3****Process Technology III - Operations** (41.0301)

This course combines systems into operational processes with emphasis on operations activities under various conditions including startup, shutdown, and emergency situations. Students write and follow procedures and operate actual equipment. Suggested prerequisite: PTAC 1302 and PTAC 1410. Corequisite: PTAC 1432 and PTAC 2420. TEC.

**PTAC 2446.....4-3-3****Process Troubleshooting** (41.0301)

Instruction in the different types of troubleshooting techniques, procedures, and methods used to solve process problems. Topics include application of data collection and analysis, cause-effect relationships, and reasoning. This course has a course fee to cover the PTEX-CR. Suggested prerequisite: PTAC 1302, PTAC 1410, and PTAC 1432. TEC.

**PTHA 1201 .....2-1-2****The Profession of Physical Therapy** (51.0806)

Introduction to the profession of physical therapy and the role of the physical therapist assistant. Corequisite: PTHA 1305, PTHA 1313, TEC.

**RBTC 1401 .....4-3-2****Programmable Logic Controllers** (15.0405)

A study in programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay

type devices, timers, counters, data manipulators, and programming. TEC.

**RBTC 1309 .....3-2-2****Pneumatics** (15.0405)

A study of principles of pneumatics, including formulas, functions, and circuits with hands-on experience in these industrial automated systems. TEC.

**RELE 1300 .....3-3-0****Contract Forms and Addenda** (52.1501)

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 forms and case studies involving use of forms. TEC.

**RELE 1301 .....3-3-0****Principles of Real Estate I** (52.1501)

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. TEC.

**RELE 1311 .....3-3-0****Laws of Contracts** (52.1501)

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. TEC.

**RELE 1319 .....3-3-0****Real Estate Finance** (52.1501)

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. TEC.

**RELE 1338.....3-3-0****Principles of Real Estate II** (52.1501)

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. TEC.

**RELE 2301.....3-3-0****Law of Agency** (52.1501)

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. TEC.

**RNSG 1193 .....1-0-0****Special Topics in Registered Nursing** (51.3801)

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. Prerequisite: RNSG 2262 and RNSG 2514. TEC.

**RNSG 1207 .....2-1-2****Nursing Jurisprudence** (51.3801)

A course in nursing jurisprudence and ethics with an emphasis on personal and professional responsibility. Study of the laws and regulations related to the provision of safe and effective professional nursing care. Prerequisite: BIOL 2401, BIOL 2402, BIOL 2420, ENGL 1301, MATH 1314 (or MATH 1342), RNSG 1300, RNSG 1311, and Admission to the Registered Nursing Transition Program. TEC.

**RNSG 1210 .....2-1-2****Introduction to Community-Based Nursing** (51.3801)

Overview of the delivery of nursing care in a variety of community-based settings to promote health; application of systematic problem-solving processes and critical thinking skills, focusing on

the examination of concepts and theories relevant to community-based nursing; and development of judgment, skill, and professional values within a legal/ethical framework. Prerequisite: BIOL 2401, BIOL 2402, BIOL 2420, ENGL 1301, MATH 1314 (or MATH 1342), RNSG 1300, RNSG 1311, and Admission to the Registered Nursing Transition Program. TEC.

**RNSG 1300 .....3-2-2****Health Assessment Across the Lifespan** (51.3801)

Development of skills and techniques required for a comprehensive nursing health assessment of patients across the lifespan. Includes assessment of patients' health promotion and maintenance, illness and injury prevention and restoration, and application of the nursing process within a legal/ethical framework. Prerequisite: Completion of a Vocational/Practical Nursing program or Administrative approval, BIOL 2401 and BIOL 2402. TEC.

**RNSG 1311 .....3-2-2****Nursing Pathophysiology** (51.3801)

Basic principles of pathophysiology emphasizing nursing applications. Includes epidemiologic factors that alter the normal physiological processes across the lifespan. Prerequisite: Completion of a Vocational/Practical Nursing program or Administrative Approval, BIOL 2401 and BIOL 2402. TEC.

**RNSG 1327 .....3-2-4****Transition to Professional Nursing** (51.3801)

Content includes health promotion, expanded assessment, analysis of data, critical thinking skills and systematic problem-solving process, pharmacology, interdisciplinary teamwork, communication, and applicable competencies in knowledge, judgment, skills, and professional values within a legal/ethical framework throughout the life span. Prerequisite: Admission to the Registered Nursing Transition Program. BIOL 2401, BIOL 2402, BIOL 2420, ENGL 1301, MATH 1314 (or MATH 1342), RNSG 1300, and RNSG 1311. Corequisite: RNSG 2261. TEC.

**RNSG 2261 .....2-0-12****Clinical I** (51.3801)

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. Clinical experiences are unpaid external learning experiences. Prerequisite: Admission to the Registered Nursing Transition Program. BIOL 2401, BIOL 2402, BIOL 2420, ENGL 1301, MATH 1314 (or MATH 1342), RNSG 1300, and RNSG 1311. Corequisite: RNSG 1327. TEC.

**RNSG 2262 .....2-0-16**

**Clinical II** (51.3801)

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. Clinical experiences are unpaid external learning experiences. Prerequisite: Admission to the Registered Nursing Transition Program. BIOL 2401, BIOL 2402, BIOL 2420, ENGL 1301, MATH 1314 (or MATH 1342), RNSG 1300, RNSG 1311, RNSG 1327, RNSG 2261, and enrollment in RNSG 2514. TEC.

**RNSG 2363 .....3-0-16**

**Clinical III** (51.3801)

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. Clinical experiences are unpaid external learning experiences. Prerequisite: Admission to the Registered Nursing Transition Program. BIOL 2401, BIOL 2402, BIOL 2420, ENGL 1301, MATH 1314 (or MATH 1342), RNSG 1300, and RNSG 1311. Corequisite: RNSG 2535. TEC.

**RNSG 2514 .....5-4-2**

**Integrated Care of the Patient with Complex Health Care Needs** (51.3801)

Application of a systematic problem-solving process, critical thinking skills and concepts to provide comprehensive nursing care to diverse patients and families across the life span with complex health care needs including, but not limited to, complex childhood/adolescent diseases, complicated perinatal care, acute mental illness, complex perioperative care, serious adult health problems and health issues related to aging. Emphasis on tertiary disease prevention, health maintenance/restoration and collaboration with members of the interdisciplinary health care team. Content includes the roles of the professional nurse and applicable competencies

in knowledge, judgment, skills, and professional values within a legal/ethical framework. Prerequisite: Admission to the Registered Nursing Transition Program. BIOL 2401, BIOL 2402, BIOL 2420, ENGL 1301, MATH 1314 (or MATH 1342), RNSG 1300, RNSG 1311, RNSG 1327 and RNSG 2261. TEC.

**RNSG 2535 .....5-4-2**

**Integrated Patient Care Management** (51.3801)

Application of independent nursing interventions to care for patients and families throughout the life span whose health care needs may be difficult to predict. Emphasis on collaborative clinical reasoning, nursing leadership skills, and patient management. Content includes the significance of professional development, trends in nursing and health care, and applicable knowledge, judgment, skills, and professional values within a legal/ethical framework. Prerequisite: Admission to the Registered Nursing Transition Program. BIOL 2401, BIOL 2402, BIOL 2420, ENGL 1301, MATH 1314 (or MATH 1342), RNSG 1300, RNSG 1311, RNSG 2514, and RNSG 2262. Corequisite: RNSG 2363. TEC.

**SCIT 1418.....4-3-2**

**Applied Physics** (40.0801)

Introduction to physics for industrial applications including vectors, motion, mechanics, simple machines, matter, heat, and thermodynamics. TEC.

**SCIT 1494.....4-3-2**

**Special Topics in Chemistry** (40.0501)

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. TEC.

**SGNL 1301 .....3-3-0**

**Beginning American Sign Language I** (16.1603)

Introduction to American Sign Language covering finger spelling, vocabulary, and basic sentence structure in preparing individuals to interpret oral speech for the hearing impaired. AC.

**SGNL 2301 .....3-3-0**

**Intermediate American Sign Language I** (16.1603)

Review and application of conversational skills in American Sign Language; interpreting from

signing to voice as well as from voice to signing. Introduction to American Sign Language literature and folklore. Prerequisite: SGNL 1301. AC.

**SOCI 1301.....3-3-0**

**Introductory Sociology** (45.1101)

Introduction to the concepts and principles used in the study of group life, social institutions, and social processes. Prerequisite: TSI complete/exempt or DIRW complete. AC.

**SOCI 1306.....3-3-0**

**Social Problems** (45.1101)

Application of sociological principles to the major problems of contemporary society such as inequality, crime and violence, substance abuse, deviance, or family problems. Prerequisite: TSI complete/exempt or DIRW complete. AC.

**SOCI 2301.....3-3-0**

**Marriage & the Family** (45.1101)

Sociological examination of marriage and family life. Problems of courtship, mate selection, and marriage adjustment in modern American society. Prerequisite: TSI complete/exempt or DIRW complete. AC.

**SOCI 2306.....3-3-0**

**Human Sexuality** (42.0101)

Study of the psychological, sociological, and physiological aspects of human sexuality. Prerequisite: TSI complete/exempt or DIRW complete. AC.

**SOCI 2319.....3-3-0**

**Minority Studies** (42.0101)

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 dominant culture. Core concepts to be examined include (but are not limited to) social inequality, dominance/subordination, prejudice, and discrimination. Particular minority groups discussed may include those based on poverty, race/ethnicity, gender, sexual orientation, age, disability, or religion. Prerequisite: TSI complete/exempt or DIRW complete. AC.

**SOCI 2326 .....3-3-0**

**Social Psychology** (42.2707)

Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. Prerequisite: TSI complete/exempt or DIRW complete. AC.

**SOCI 2336 .....3-3-0**

**Criminology** (45.0401)

Current theories and empirical research pertaining to crime and criminal behavior and its causes, methods of prevention, systems of punishment, and rehabilitation. Prerequisite: TSI complete/exempt or DIRW complete. AC.

**SOCI 2340 .....3-3-0**

**Drug Use & Abuse** (51.1504)

Study of the use and abuse of drugs in today's society. Emphasizes the physiological, sociological, and psychological factors. Prerequisite: TSI complete/exempt or DIRW complete. AC.

**SPAN 1311.....3-3-0**

**Beginning Spanish I** (16.0905)

Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture. AC.

**SPAN 1312.....3-3-0**

**Beginning Spanish II** (16.0905)

Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture. AC.

**SPCH 1311.....3-3-0**

**Introduction to Speech Communication**

(23.1304)

Theories and practice of communication in interpersonal, small group, and public speech. AC.

**SPCH 1315.....3-3-0**

**Public Speaking** (23.1304)

Research, composition, organization, delivery, and analysis of speeches for various purposes and occasions. AC.

**SPCH 1318 3-3-0****Interpersonal Communication** (23.1304)

Theories and exercises in verbal and nonverbal communication with focus on interpersonal relationships. AC.

**SPCH 1321.....3-3-0****Business & Personal Communication** (23.1304)

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. AC.

**SPCH 2335.....3-3-0****Argumentation & Debate** (23.1304)

Theories and practice in argumentation and debate including analysis, reasoning, organization, evidence, and refutation. AC.

**SPCH 2341.....3-3-0****Oral Interpretation** (23.1304)

Theories and techniques in analyzing and interpreting literature. Preparation and presentation of various literary forms. AC.

**TECM 1303.....3-3-0****Technical Calculations** (27.0301)

Specific mathematical calculations required by business and industry. Includes whole numbers, fractions, mixed numbers, decimals, percents, ratios, and proportions. Also covers converting to different units of measure (standard and/or metric). TEC.

**VNSG 1122 .....1-1-0****Vocational Nursing Concepts** (51.3901)

Introduction to the nursing profession and its responsibilities. Includes legal and ethical issues in nursing practice. Concepts related to the physical, emotional, and psychosocial self-care of the learner/professional. Prerequisite: Admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1160, VNSG 1323, VNSG 1227, VNSG 1231, VNSG 1402, and VNSG 1461. Corequisite: VNSG 1136, VNSG 1462, and VNSG 2413. TEC.

**VNSG 1136 .....1-1-0****Mental Health** (51.3901)

Introduction to the principles and theories of positive mental health and human behaviors. Topics include emotional responses, coping mechanisms, and therapeutic communication

skills. Prerequisite: Admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1160, VNSG 1323, VNSG 1227, VNSG 1231, VNSG 1402, and VNSG 1461. Corequisite: VNSG 1122, VNSG 1462, and VNSG 2413. TEC.

**VNSG 1138 .....1-1-0****Mental Illness** (51.3901)

Study of human behavior with emphasis on emotional and mental abnormalities and modes of treatment incorporating the nursing process. Prerequisite: Admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1160, VNSG 1323, VNSG 1227, VNSG 1402, VNSG 1461, VNSG 1122. Corequisite: VNSG 2413, VNSG 1231 and VNSG 1462. TEC.

**VNSG 1160 .....1-0-3****Clinical I Practical Nurse** (51.3901)

A health-related work-based learning experience that enables the student to apply specialized occupational theory, concepts, and skills on clients, such as, but not limited to, hygiene measures, transfer techniques, obtaining vital signs, bed making, etc. Direct supervision is provided by the clinical professional. Clinical experiences are unpaid external learning experiences. Corequisite: VNSG 1323. TEC.

**VNSG 1227 .....2-1-2****Essentials of Medication Administration** (51.3901)

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. Prerequisite: Admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1160, and VNSG 1323. Corequisite: VNSG 1122, VNSG 1136, VNSG 1402, and VNSG 1461. TEC.

**VNSG 1230 .....2-1-2****Maternal-Neonatal Nursing** (51.3901)

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 physiological changes related to pregnancy, fetal development, and nursing care of the family during labor and delivery and the puerperium. Prerequisite: Pre-



admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1160, VNSG 1323, VNSG 1227, VNSG 1231, VNSG 1402, VNSG 1461, VNSG 1122, VNSG 1136, VNSG 1462, and VNSG 2413. Corequisite: VNSG 1234, VNSG 2214, and VNSG 2463. TEC.

**VNSG 1231 .....2-1-2**

**Pharmacology** (51.3901)

Fundamentals of medications and their diagnostic, therapeutic, and curative effects. Includes nursing interventions utilizing the nursing process. Prerequisite: Admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1160, and VNSG 1323. Prerequisite: VNSG 1122, VNSG 1136, VNSG 1227, VNSG 1402 and VNSG 1461. Corequisite: VNSG 1462, VNSG 1138, VNSG 1462. TEC.

**VNSG 1234 .....2-1-2**

**Pediatrics** (51.3901)

Study of the care of the pediatric patient and family during health and disease. Emphasis on growth and developmental needs utilizing the nursing process. Prerequisite: Admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1160, VNSG 1323, VNSG 1227, VNSG 1231, VNSG 1402, VNSG 1461, VNSG 1122, VNSG 1136, VNSG 1462, and VNSG 2413. Prerequisite: VNSG 1138, VNSG 1230, VNSG 2214, and VNSG 2463. TEC.

**VNSG 1323 .....3-2-2**

**Basic Nursing Skills** (51.3901)

Mastery of entry level nursing skills and competencies for a variety of health care settings. Utilization of the nursing process as the foundation for all nursing interventions. Students may be eligible for certification as nurse aides through the Texas Department of Human Services Long-Term Care Division after completing this course. Corequisite: VNSG 1160. TEC.

**VNSG 1402 .....4-2-7**

**Applied Nursing Skills I** (51.3901)

Introduction to and application of primary nursing skills. Emphasis on utilization of the nursing process and related scientific principles. Prerequisite: Admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1160, and VNSG 1323. Corequisite: VNSG 1227, VNSG 1122, VNSG 1136, and VNSG 1461. TEC.

**VNSG 1461 .....4-0-18**

**Clinical II Practical Nurse** (51.3901)

A health-related work-based learning experience that enables the student to apply specialized occupational theory, concepts, and skills on clients, such as, but not limited to, hygiene measures, foley catheter insertion, physical assessment, g-tube feedings, blood glucose monitoring, care plans, etc. Direct supervision is provided by the clinical professional. This clinical rotation is in nursing home or hospital facilities. Clinical experiences are unpaid external learning experiences. Prerequisite: Admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1160, and VNSG 1323. Corequisite: VNSG 1227, VNSG 1122, VNSG 1136, and VNSG 1402. TEC.

**VNSG 1462 .....4-0-24**

**Clinical III Practical Nurse** (51.3901)

A health-related work-based learning experience that enables the student to apply specialized occupational theory, concepts, and skills on clients, such as, but not limited to, client care, administer medications, wound care, sterile technique, isolation, admissions and discharges of clients, following doctors' orders, utilizing the nursing process, etc. Direct supervision is provided by the clinical professional. Clinical experiences are unpaid external learning experiences. Prerequisite: Admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1160, VNSG 1323, VNSG 1227, VNSG 1402, and VNSG 1461. Corequisite: VNSG 1122, VNSG 1136, and VNSG 2413. TEC.

**VNSG 2214 .....2-1-3**

**Applied Nursing Skills III** (51.3901)

Continuation of Applied Nursing Skills II. Application of nursing skills to meet complex client needs utilizing the nursing process and related scientific principles. Prerequisite: Admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1138, VNSG 1160, VNSG 1323, VNSG 1227, VNSG 1231, VNSG 1402, VNSG 1461, VNSG 1122, VNSG 1136, VNSG 1462, and VNSG 2413. Corequisite: VNSG 1230, VNSG 1234, and VNSG 2463. TEC.

**VNSG 2413 .....4-3-3****Applied Nursing Skills II** (51.3901)

Application of nursing skills to meet more complex client needs utilizing the nursing process and related scientific principles. Prerequisite: Admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1122, VNSG 1136, VNSG 1160, VNSG 1323, VNSG 1227, VNSG 1402, and VNSG 1461. Corequisite: VNSG 1136, VNSG 1138, VNSG 1231, and VNSG 1462. TEC.

**VNSG 2463 .....4-0-24****Clinical IV Practical Nurse** (51.3901)

A health-related work-based learning experience that enables the student to apply specialized occupational theory, concepts, and skills on clients, such as, but not limited to, medical surgical, obstetrics/gyn, post-partum, pediatrics, etc. Community sites as well as hospital facilities will be utilized. Direct supervision is provided by the clinical professional. Clinical experiences are unpaid external experiences. Prerequisite: Admission to the Vocational Nursing Program, BIOL 2401, BIOL 2402, VNSG 1160, VNSG 1138, VNSG 1323, VNSG 1227, VNSG 1231, VNSG 1402, VNSG 1461, VNSG 1122, VNSG 1136, VNSG 1462, and VNSG 2413. Corequisite: VNSG 1230, VNSG 1234, and VNSG 2214. TEC.

**WLDG 1323.....3-3-0****Welding Safety, Tools, and Equipment** (48.0508)

An introduction to welding careers, equipment and safety practices, including OSHA standards for industry. TEC.

**WLDG 1327.....3-3-0****Welding Codes and Standards** (48.0508)

An in-depth study of welding codes and their development in accordance with structural standards, welding processes, destructive and nondestructive test methods. TEC.

**WLDG 1428.....4-2-4****Introduction to Shielded Metal Arc Welding (SMAW)** (48.0508)

An introduction to the shielded metal arc welding process. Emphasis placed on power sources, electrode selection, oxy-fuel cutting, and various joint designs. Instruction provided in SMAW fillet welds in various positions. Corequisite: WLDG 2443. TEC.

**WLDG 1434.....4-2-4****Introduction to Gas Tungsten Arc Welding (GTAW)** (48.0508)

Principles of gas tungsten arc welding (GTAW), including setup, GTAW equipment. Instruction in various positions and joint designs. Suggested prerequisite: WLDG 1323, WLDG 1327, WLDG 1428, and WLDG 2443. TEC.

**WLDG 1437.....4-4-0****Introduction to Welding Metallurgy** (48.0508)

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. Suggested prerequisite: WLDG 1323, WLDG 1327, WLDG 1428, and WLDG 2443. TEC.

**WLDG 2406.....4-2-4****Intermediate Pipe Welding** (48.0508)

A comprehensive course on the welding of pipe using the shielded metal arc welding (SMAW) and/or other processes. Welds will be done using various positions. Topics covered include electrode selection, equipment setup, and safe shop practices. Suggested prerequisite: WLDG 1323, WLDG 1327, WLDG 1428, and WLDG 2443. TEC.

**WLDG 2413.....4-2-4****Intermediate Welding Using Multiple Processes** (48.0508)

Instruction using layout tools and blueprint reading with demonstration and guided practices with some of the following welding processes: oxy-fuel gas cutting and welding, shield metal arc welding (SMAW), gas metal arc welding (GMAW), flux-cored arc welding (FCAW), gas tungsten arc welding (GTAW). Suggested prerequisite: WLDG 1323, WLDG 1327, WLDG 1428, and WLDG 2443. TEC.

**WLDG 2443.....4-2-4****Advanced Shielded Metal Arc Welding (SMAW)** (48.0508)

Advanced topics based on accepted welding codes. Training provided with various electrodes in shielded metal arc welding processes with open V-groove joints in all positions. Suggested corequisite: WLDG 1428. TEC.

# Directory of Personnel

Texas State University System  
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System Administration

Lamar State College Orange  
Executive Administration  
Academic Administration  
General Administration  
Professional Staff  
Support Staff  
Full-Time Faculty

# Directory of Personnel

## Texas State University System

### Board of Regents

<b>Charlie Amato, Chairman</b> .....	San Antonio
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<b>Garry Crain, Second Vice Chairman</b> .....	The Hills
<b>Dionicio (Don) Florez, Regent</b> .....	El Paso
<b>Nicki Harle, Regent</b> .....	Baird
<b>David Montagne, Regent</b> .....	Beaumont
<b>Dr. Veronica Muzquiz Edwards, Regent</b> .....	San Antonio
<b>William F. Scott, Chairman</b> .....	Nederland
<b>Alan L. Tinsley, Regent</b> .....	Madisonville
<b>Amanda Lee, Student Regent</b> .....	Huntsville

### System Administration

<b>Brian McCall, Ph.D.,</b> <i>Chancellor</i>
<b>John Hayek, Ph.D.,</b> <i>Vice Chancellor for Academic and Health Affairs</i>
<b>Carole M. Fox, C.P.A.,</b> <i>Chief Audit Executive</i>
<b>Daniel Harper, M.B.A.,</b> <i>Vice Chancellor and Chief Financial Officer</i>
<b>Nelly R. Herrera, J.D.,</b> <i>Vice Chancellor and General Counsel</i>
<b>Sean Cunningham, J.D.,</b> <i>Vice Chancellor for Governmental Relations</i>
<b>Mike Wintemute,</b> <i>Vice Chancellor for Marketing and Communications</i>

## Lamar State College Orange

### Executive Administration

<b>Johnson, Thomas A.,</b> <i>Ed.D., President</i>
<b>Elmore, Wendy,</b> <i>Ed.D., Executive Vice President/Provost</i>
<b>Wickland, Mary,</b> <i>B.S./C.P.A., Vice President for Finance and Operations</i>
<b>Collins, Patty,</b> <i>M.S., C.A.E., Executive Director of College Affairs; Title IX Coordinator</i>

### Academic and Student Administration

<b>Crockett, Suzonne,</b> <i>Ed.D., Dean of Academic Studies</i>
<b>Hull, Brian,</b> <i>M.S., Dean of Student Services and Student Affairs</i>
<b>McGee, Leah Anne,</b> <i>M.S., Associate Dean of Health Profession Programs</i>
<b>Walker, Kristin,</b> <i>M.Ed., Dean of Health, Workforce, and Technical Programs</i>

### General Administration

<b>Burnett, Linda,</b> <i>B.S., Director of Information Services</i>
<b>Burdette, Robyn,</b> <i>M.S., Director of Advising, Recruiting, Counseling, and Testing</i>
<b>Campos, Nathan,</b> <i>A.S., Coordinator, Institutional Research and Institutional Effectiveness, Office of Institutional Research and Effectiveness</i>
<b>Celestine, Thera,</b> <i>A.S., Director of Community and Workforce Education</i>
<b>Due, Jamie,</b> <i>B.S., Director of Accounting</i>
<b>Hardgrave, Joseph,</b> <i>Safety &amp; Security Coordinator</i>

**Jones, Alicia**, M.Ed., *Coordinator, Learning Technology*  
**Keeney, Hunter**, Ed.D., *Institutional Reporting Official*  
**Kinto, Diana** B.A.A.S., *Director of Financial Aid*  
**McAnelley, Rebecca “Becky”**, B.S., *Director of Admissions/Registrar*  
**Mellen, Emily** M.A., M.Ed., *Director Public Relations and Development, Public Relations and Development*  
**Mitchell, Charles**, *Director of Physical Plant*  
**Oltz, Jamie**, B.S., *Controller*  
**Preslar, Andy**, M.A., *Director of SACSCOC Reporting*  
**Quave, Allie**, M.B.A., *Director of Purchasing and Contracts*  
**Rives, Lora**, M.B.A., *Director of Human Resource*  
**Saenz, Carissa**, M.A., *Director of Finance*  
**Smith, Samantha**, M.L.S., *Director of Library Services*  
**Wyles, Cindy**, A.A.S., *Director of Print & Design Services*

### **Professional Staff**

**Brister, Amy**, B.S., *Academic Advisor/Special Populations, Advising, Recruiting, Counseling, and Testing*  
**Burks, China**, M.L.S., *Public Services Librarian, Library Services*  
**Byley, Cheryl**, A.A.S., *Human Resource Specialist, Human Resources*  
**Cheatham, Linda**, A.A.S., *User Services/Telecom Specialist, Information Services*  
**De LA Fuente, Kendra**, *Administrative Assistant I, Advising, Recruiting, Counseling, and Testing*  
**Dominquez, Misty**, A.S., *Financial Aid Advisor, Financial Aid*  
**Dumes, Erica**, A.S., *Accountant II, Finance*  
**Guidry, Matthew**, B.B.A., *Network Support Specialist, Information Services*  
**Guillory, Ashley**, A.A.S., *Assistant Coordinator, Student Activities*  
**Hernandez, Cynthia**, *Manager, The Brown Estate*  
**Horner, Chris**, *Captain, Maritime Director, Workforce Education*  
**January, Cheryl**, M.B.A., *Academic Advisor, Advising, Recruiting, Counseling, and Testing*  
**Johnson, David**, A.A.S., *Information Security Officer, Information Services*  
**Kapranos, Aubrey**, M.S., *Librarian, Library Services*  
**Lanphar, Tara**, A.A.S., *System Administrator, Information Services*  
**Manuel, Kristina**, B.S., *Testing Examiner, Testing Center*  
**McGee, Leah Anne**, M.S., C.F.N.P., B.S., *Associate Dean of Health Professions, Program Director of Registered Nursing, Health Professions*  
**Moore, Amy**, B.A., *Coordinator of Student Activities, Student Activities*  
**Morrison, Barbara**, B.S., *Instructional Staff, Learning Center*  
**Norville, Victoria “Vicki”**, B.B.A., *Testing Administrator, Testing Center*  
**Petitjean, Jennifer**, B.B.A., *Web Administrator, Information Services*  
**Petitjean, Kevin**, A.A.S., *Applications Support Analyst, Learning Technology*  
**Pressler, Elizabeth**, M.Ed., *Director of the Learning Center*  
**Procella, Emilee**, *Academic Advisor, Advising, Recruiting, Counseling, and Testing*  
**Salazar, Ashley**, M.S., *Academic Advisor, Advising, Recruiting, Counseling, and Testing*  
**Scales, Carrie (Lynn)**, A.A.S., *Coordinator of Financial Aid, Financial Aid*  
**Smith, Samantha**, M.L.S., *Public Services Librarian, Library Services*  
**Stanley, Stephanie**, M.B.A., *Accountant III, Accounting*  
**Thompson, Denetta**, A.A.S., *Payroll Manager, Accounting*  
**Wilson, Kayla**, *Transcript Evaluator, Admissions and Records*

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**Brumley, Bobby**, B.Th., *Facility Worker II*, Physical Plant  
**Carver, Katy**, A.S., *Accounting Clerk II*, Accounts Payable  
**Collins, Jeffrey**, *Clerk II*, Physical Plant  
**Compton, Crystal**, A.S., *Administrative Assistant III*, Dean of Student Services  
**Cook, Stephen**, *Facility Worker II*, Physical Plant  
**Cowart, Michaela** *Clerk II*, Admissions and Records  
**Dantzler, Brooke**, B.S., *Clerk II*, Library and Learning Center  
**Dempsey, Michael**, *Security Guard*, Security  
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**Gaspard, Carol**, B.G.S., *Lab Tech III*, Academic Programs  
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**Guilbeaux, Debbie**, A.S., *Administrative Assistant II*, Academic Studies  
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**Holden, Shawn**, *Program Attendant I*, The Brown Estate  
**Jones, Stephanie**, *Executive Assistant*, President's Office  
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**Kim, Kungwha**, M.L.S., *Library Tech Service Manager*, Library Services  
**Loft, Krystal**, *Event Coordinator*, Shahan Event Center  
**Martin, Raul**, B.A., *Learning Support Specialist*, Learning Center  
**Montgomery, Jessica**, CERT, *Retention Mentor*, Health, Workforce, and Technical Programs  
**Perry, Casha**, *Administrative Assistant III*, Executive Vice President/Provost  
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**Simar, David**, A.A.S., *System Support Specialist*, Information Services  
**Villanoueva, David**, *Utility Mechanic II*, Physical Plant  
**Wolfe, Cade**, *Assistant Manager*, The Brown Estate  
**Wolfe, Carolee**, *Manager*, The Gator Cafe

## Full-Time Faculty

The following list reflects the status of the Lamar State College Orange faculty as of August 2021. The date following each name is the academic year of first service to the college and does not necessarily imply continuous service since that time.

- Baker, Colleen**, (2018) Instructor of Dental Assisting, Program Director of Dental Assisting Certificate, Dental Assisting
- Baker, Suzanne**, (2003) Instructor of Vocational Nursing Certificate, Vocational Nursing, A.A.S., Lamar State College-Port Arthur
- Barker, Charlotte**, (2018) Assistant Professor of Biology B.S., East Texas Baptist University; M.S., University of Memphis; Ph.D., University of Mississippi at Hattiesburg
- Bryant, Christy**, (2005), Instructor of Information Technology B.B.A., Lamar University; M.S., Emporia State University
- Bryant, Jennifer**, (2018) Instructor of Economics B.B.A., Franklin University; M.B.A., Franklin University; M.S., Purdue University
- Busby, Leah**, (2015) Assistant Professor of Business Management, Program Director of Business B.B.A., M.B.A., Lamar University
- Cole, Angela**, (2008) Instructor of Vocational Nursing B.S.N., University of Texas Medical Branch
- Doss, L. Kevin**, (1996) Instructor of Speech B.A., Southwest Baptist; M.A., Southwest Texas State University
- Dotson, Diane**, (2003) Instructor of Information Technology, Program Director of Information Technology A.S., Northeast Louisiana University; B.B.A., Lamar University; M.S., Lamar University
- Foreman, Sherri**, (2006) Instructor of Vocational Nursing B.S., Lamar University
- Harris, Susan**, (2017) Instructor of Vocational Nursing A.A.S., Lamar State College-Orange
- Henderson, April**, (2018) Instructor Sociology and Cross-Cultural Studies M.A., University of Houston
- Hodges, Lisette**, (2007) Instructor of Psychology B.A., M.S., Lamar University
- Jureidini, Elias**, (1992) Assistant Professor of Mathematics B.S., Nicholls State University; M.S., Clemson University; M.S., Louisiana State University
- Kim, Jongchul**, (2007) Assistant Professor of Mathematics B.S., Sungkyunkwan University; M.S. Seoul National University; Ph.D., University of North Texas
- LaGrone, Toni**, (2018) Instructor of Vocational Nursing A.A.S., Lamar Institute of Technology; A.A.S., Lamar State College-Port Arthur
- Land, Richard**, Instructor of Emergency Management Services, Program Director of EMS
- LeBlanc, Lorrie**, (1996) Instructor of Vocational Nursing, Program Director of Vocational Nursing A.A.S., Lamar State College-Port Arthur; B.S., University of Texas Medical Branch
- Lemons, Janet**, (2006) Assistant Professor of Registered Nursing A.A.S., B.S., M.S., Lamar University
- Lindsey, Richard**, (2018) Instructor of Government B.A., Lamar University; M.A., Sam Houston State University
- Lumpkin, Byron**, (2018) Instructor of English B.A., Texas A & M University; M.A., Southern New Hampshire University
- Lumpkin, Denise**, (2012) Instructor of Registered Nursing B.S., Lamar University; M.S., University of Texas Medical Branch M.S., UTMB-Galveston; Licensed Family Nurse Practitioner
- Malouf, Kevin**, (2018) Instructor of Accounting B.A., Brigham Young University; M.B.A., Brigham Young University
- McClure, Matthew**, (1994) Professor of Biology B.S., Lamar University; M.S., Ph.D., Texas A & M University
- McLendon, Gary**, (2017) Instructor of Welding, Program Director of Welding B.A.A.S., Lamar University
- Moore, Andrew**, (2019) Instructor of Mathematics B.S., Lamar University
- Moreau, Dallas**, (2012) Instructor of Psychology B.A., M.A., Stephen F. Austin University

- Nguyen, Loan**, (2013) Instructor of Pharmacy Technology, Program Director of Pharmacy Technology Certificate, Lamar State College Orange
- Owens, Eric**, (2006) Assistant Professor of History B.A., M.A., Wichita State University
- Paulk, Charlene**, (1994) Instructor of Vocational Nursing A.A.S., Lamar University-Orange; B.S., University of Texas Medical Branch
- Ramsey, Brenda**, (2015) Instructor of Vocational Nursing A.A.S., Lamar State College-Orange
- Reeder, Michael**, (2013) Instructor of Process Technology B.S., Lamar University
- Sanford, Jerry**, (2004) Assistant Professor of Biology B.S., Lamar University; D.C., Texas Chiropractic College
- Scarborough, George**, (2013) Assistant Professor of Mathematics B.S., M.S., McNeese State University
- Smith, Amanda**, (2011) Assistant Professor of English B.S., University of Utah; M.F.A., California State University-Fresno
- Smith, Wilma**, (2015) Instructor of Registered Nursing M.S.N., Lamar University
- Song, Ni**, (2010) Associate Professor of Anatomy B.S., Wuhan University; Ph.D., University of Cincinnati
- Trotter, Jennifer**, (2011) Instructor of Registered Nursing B.S.N., University of Texas; M.B.A., Our Lady of the Lake University
- Tucker, Mandee**, (2008) Instructor of Registered Nursing A.A.S., Lamar University; A.D.R.N., Lamar University; B.S.N., University of Phoenix, M.S.N., University of Texas at Arlington
- Vacant**, (0000) Instructor of Process Technology, Program Director of Process Technology
- Vacant**, (0000) Instructor of Instrumentation, Program Director of Instrumentation
- Whitehead, Gwen**, (1990) Professor of English B.A., M.A. Lamar University; Ph.D., University of Southwestern Louisiana



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Academic Studies Division .....	(409) 882-3027
Admission and Records .....	(409) 882-3364
Advising and Counseling .....	(409) 882-3340
Bookstore .....	(409) 882-3331
Brown Estate (The) .....	(409) 883-2939
Business Office .....	(409) 882-3363
Campus Visits and Tours .....	(409) 882-3955
Career Services .....	(409) 882-3379
Cashier .....	(409) 882-3371
Disability Support Services .....	(409) 882-3984
Education, Mathematics, and Sciences Division .....	(409) 882-3053
Executive Vice President/Provost .....	(409) 882-3336
Financial Aid .....	(409) 882-3317
Help Desk .....	(409) 882-3033
Health, Workforce, and Technical Programs .....	(409) 882-3044
Learning Center .....	(409) 882-3373
Library .....	(409) 882-3352
Human Resources .....	(409) 882-3931
Marketing and Public Information .....	(409) 882-3359
President's Office .....	(409) 882-3314
Recruiting .....	(409) 882-3379
Registrar's (Student Records) Office .....	(409) 882-3364
Scholarships .....	(409) 882-3317
Security .....	(409) 670-0789
Student Activities .....	(409) 882-3392
Student Center .....	(409) 882-3392
Student Government .....	(409) 882-3904
Student Services .....	(409) 882-3341
Testing Center .....	(409) 882-3330
Veterans' Affairs .....	(409) 882-3317
Executive Vice President for Business and Finance .....	(409) 882-3363
Community and Workforce Education .....	(409) 882-3321

## LAMAR STATE COLLEGE ORANGE

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410 Front Street • Orange, TX 77630

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