FALL 2016

LONE STAR CORPORATE COLLEGE
Open Enrollment Course Catalog and Schedule

HEALTH SCIENCE • ENERGY & MANUFACTURING • BUSINESS • INFORMATION TECHNOLOGY
LOCATIONS

LSC-CYFAIR
9191 Barker Cypress Road
Cypress, TX  77433-1383
281.290.3200 • CE: 281.290.3460

LSC-KINGWOOD
20000 Kingwood Drive
Kingwood, TX  77339-3801
281.312.1600 • CE: 281.312.1660

LSC-MONTGOMERY
3200 College Park Drive
Conroe, TX  77384-4500
Local: 936.273.7000/Metro: 936.321.5161
CE: 936.273.7446

LSC-NORTH HARRIS
2700 W.W. Thorne Drive
Houston, TX  77073-3499
281.618.5400 • CE: 281.618.5602

LSC-TOMBALL
30555 Tomball Parkway
Tomball, TX  77375-4096
281.351.3300 • CE: 281.357.3676

LSC-UNIVERSITY PARK
20515 State Highway 249
(at Louetta)
Houston, TX  77070-2607
281.290.2600 • CE: 281.290.2601

LSC-UNIVERSITY CENTER AT THE WOODLANDS
3232 College Park Drive
The Woodlands, TX  77384-4500
936.321.4500/936.273.7510

LSC-UNIVERSITY CENTER AT UNIVERSITY PARK
20515 State Highway 249
(at Louetta)
Houston, TX  77070-2607
281.290.2600

LONE STAR COLLEGE SYSTEM OFFICE
5000 Research Forest Drive
The Woodlands, TX  77381-4399
832.813.6500

CE classes are also available at LSC satellite centers. Contact and location information for centers is available starting on page 102.
Welcome!

Welcome to Lone Star College.

Now is the time to get started on your future! We want to be your next step into an exciting career. Whether you want to train for a new career or take classes to enhance your current skill set, Lone Star College is committed to making your training affordable and accessible.

In most cases, no college application or prior testing is required. Class start dates are available throughout the year. With six comprehensive colleges located across the Houston region from Montgomery to Katy, and plans to begin construction on several new technology centers, there is a campus close to you for your workforce training needs.

Inside this Career & Technical Education (CTE) and Lone Star Corporate College (CC) Open Enrollment schedule, you will find the information you need for high-demand careers in Business and Professional Services, Energy, Manufacturing & Skilled Trades, Health, Emergency & Personal Services, and Computer/Digital Technology & Visual Communications. If you don’t know where to begin or would like to speak to a workforce advisor, call a campus location today (phone numbers for staff are listed by campus on the inside cover).

We are proud to serve our growing industry and community needs. Thank you for choosing Lone Star College!

Linda L. Head
Associate Vice Chancellor,
Workforce Education & Corporate Partnerships
Important Dates

**Fall 2016**
- Apr 13: Registration begins
- Aug 20: Fall classes begin
- Aug 29: Payment due
- Dec 9: Winter mini-mester begins
- Dec 12–18: Final Exams
- Dec 18: End of semester
- Dec 19: Winter mini-mester begins
- Jan 8: 3-week mini-mester ends
- Jan 15: 4-week mini-mester ends

**Spring 2017**
- Nov 14: Registration begins
- Jan 7: Spring classes begin
- Jan. 17: Commencement
- May 12–13: Spring 2017 Final Exams
- May 15: End of semester

**Summer 2017**
- Mar 1: Registration begins
- May 5: Payment due (May mini-mester)
- May 15: Spring Processing Priority Date
- May 16: Summer I classes begin
- May 26: Spring Processing Priority Date
- June 4: Summer I classes end
- June 5: Summer I classes begin
- July 11: Summer II classes begin
- July 13: Summer II classes end

**College Holidays**

<table>
<thead>
<tr>
<th>Year</th>
<th>Holiday</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>Labor Day holiday</td>
<td>Sep 3–5</td>
</tr>
<tr>
<td></td>
<td>Thanksgiving holiday</td>
<td>Nov 23–27</td>
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<tr>
<td></td>
<td>Winter mini-mester holiday</td>
<td>Dec 25-Jan 1</td>
</tr>
<tr>
<td></td>
<td>Winter mini-mester holiday</td>
<td>Dec 22-Jan 4</td>
</tr>
<tr>
<td>2017</td>
<td>MLK holiday</td>
<td>Jan 16</td>
</tr>
<tr>
<td></td>
<td>Spring Break</td>
<td>Mar 13–19</td>
</tr>
<tr>
<td></td>
<td>Spring holiday</td>
<td>Apr 14–16</td>
</tr>
<tr>
<td></td>
<td>Memorial Day holiday</td>
<td>May 27–29</td>
</tr>
<tr>
<td></td>
<td>Independence Day holiday</td>
<td>Jul 4</td>
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**Financial Aid Dates**

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>2016</td>
<td>Jul 1</td>
<td>Spring Processing Priority Date</td>
</tr>
<tr>
<td></td>
<td>Jul 15</td>
<td>Fall Processing Priority Date</td>
</tr>
<tr>
<td></td>
<td>Apr 1</td>
<td>State Grant Date</td>
</tr>
</tbody>
</table>

**View other dates online:**
- Registration: LoneStar.edu/registration
- Tuition Payments: LoneStar.edu/payment
- SAP Submission: LoneStar.edu/sap
- Refunds: LoneStar.edu/refunds
- Final Exams: LoneStar.edu/examschedule

Dates subject to change. Visit the website for most current information.

LoneStar.edu/academic-calendar

CTE/CC classes and registration is ongoing. To register for classes, go to LoneStar.edu/CE. For more information on registration, see pages 6–7.
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This catalog has been carefully prepared to ensure that all information is accurate; however, Lone Star College reserves the right to make changes, and may result in deviations from the published catalog, including tuition and fees. For the most up to date course catalog, please visit LoneStar.edu/CE.

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### Accounting I, Intermediate

**Course Title:** Accounting I, Intermediate  
**Catalog Number:** ACNTC 2200301  
**Contact Hours:** 80  
**Cost:** $219  
**Description:** Critical analysis of generally accepted accounting principles, concepts, and theory underlying the preparation of financial statements. Emphasis on current theory and practice. Primary concern is with asset measurement and income determination. This course is linked to ACNT 2303. Prerequisite: ACCT 2401.

**Location:** LSC-North Harris  
**Class #:** 4562  
**Dates:** 8/24-12/13  
**Start & End Dates:** 8:00 pm-10:00 pm  
**Other Notes:** Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online

### AutoCAD, Introduction

**Course Title:** AutoCAD, Introduction  
**Catalog Number:** DFTGC 2101401  
**Contact Hours:** 32  
**Cost:** $440  
**Description:** Topics include CAD equipment selection and interface; software selection and installation; creating, editing and plotting of line drawings for architectural, electrical, circuit, mechanical, or interior design; create/modify graphic elements, storing and retrieving predefined components; and adding text and dimensions.

**Location:** LSC-CyFair  
**Class #:** 3162  
**Dates:** 8/24/21  
**Start & End Dates:** 6:00 pm-10:00 pm  
**Other Notes:** For information email Randal.H.Dobson@LoneStar.edu. Instruction Type: Online

The diagrams above explain how to read the course listings in this catalog. You will need this information to register for classes, either in person at a Lone Star College campus or online at LoneStar.edu/CE-Registration. Courses proceeded by a link symbol are linked to a credit course (see page 8). If you have questions about a class, contact the Lone Star College campus where the class is offered.
DEFINITION OF TERMS

Certificates
Course: A certificate of completion is awarded upon successful completion of a workforce education course to document Continuing Education Units (CEUs). The number of CEUs awarded for the course will be listed on the course certificate.

Workforce: A CTE Workforce Development Certificate is awarded to a student who successfully completes a grouping of related continuing education courses that are required for an entire program of study. For details or to apply, contact your local CTE office.

Continuing Education Units (CEUs)
One CEU is 10 contact hours of successful completion of a continuing education course. CEUs are recognized internationally as a measure of substantive professional education and training.

Instruction Types
The instruction type for all classes is ‘In Person’ unless otherwise noted.

- IN PERSON: face-to-face instruction attended on-campus in a classroom setting.
- ONLINE: Complete class in a virtual setting. Access your online class at LoneStar.edu/lsc-online.
- HYBRID: a combination of in-person instruction with computer, internet, paper, or online learning features.

Linked Courses
Linked courses are designated by a symbol (🔗) in the class schedule. If a CTE linked course was taken from 2005 to present, it can be articulated if it is linked to credit courses. These classes may last the entire semester or any portion thereof. Students who register for these classes are enrolled in the same section as credit hour (SCH) students and must meet all prerequisites and instructor requirements. Students who wish to receive credit hours must complete a Prior Learning Assessment by CTE-Credit Articulation form and petition for credit. For details, go to LoneStar.edu/PLA or see an advisor.

POLICIES

Age Guidelines
CTE classes are designed to serve adult learners. Students who are 16-17 years old must have written parental permission to attend a class.

Class Cancellations
Although CTE personnel will attempt to contact students in the event a class is canceled, it is the student’s responsibility to check their class status before attending. Students can check their class status by calling their campus or going to LoneStar.edu/myLoneStar and go the CTE Student Center.

Emergency Closing/Inclement Weather
In the event of inclement weather or emergency closing, the Location Executive Officer (LEO) or designee may cancel all or some classes. Generally, such decisions will be made between 5:30 and 6 a.m. for day classes and by 3 p.m. for evening classes. When off-campus facilities are closed for any reason, the college classes at those sites will be canceled. The closing announcement will be made on LoneStar.edu, as well as on all local network channels for all locations.

Family Education Rights and Privacy Act
The Family Educational Rights and Privacy Act (FERPA), also known as the Buckley Amendment, was established to protect the privacy rights of all students and applies to any educational facility receiving federal funds.

The Act prevents the release of certain information held within student records. Information is provided within this site for individuals seeking student records and for staff seeking information on FERPA regulations and how to properly manage student records. For more information, go to LoneStar.edu/ferpa.

Health Notice and Immunization
Students in programs that require immunizations must submit proof of such immunizations.

Equal Opportunity Statement
Lone Star College is committed to the principle of equal opportunity in education and employment. Lone Star College does not discriminate on the basis of race, color, gender, religion, disability, age, veteran status, sexual orientation, nationality or ethnicity in its programs and activities.

The LSC Vice Chancellor, College Services is designated as the LSC Equal Opportunity Officer and Title IX Coordinator. All inquiries concerning LSC policies, compliance with applicable laws, statutes, and regulations (such as Title VI, Title IX, and Section 504), and complaints may be directed to:

Link Alander
Vice Chancellor, College Services; Equal Opportunity Officer; Title IX Investigator
5000 Research Forest Drive
The Woodlands, TX 77381
832.813.6767

Inquiries about the laws and compliance may also be directed to Office for Civil Rights, U.S. Department of Education. For further information, visit ed.gov for the address and phone number of the office that serves your area, or call 1-800-421-3481.

Refunds
Students must officially withdraw before class begins to receive a refund. Otherwise, no refund will be given. Membership fees are nonrefundable.

Sex Offender Policy
Effective September 1, 2003, the Texas Code of Criminal Procedure 62.03(h) requires each person who is required to register as a sex offender and who intends to be employed, work with a contractor, or attend classes at an institution of higher education to register with the campus police department within seven days. Current LSCS board policy requires that sex offenders seeking to enroll at, provide services to, or be employed with LSCS submit information pertinent to his or her offenses to the System Review Committee to determine his or her eligibility for enrollment, vendor services or employment. A person seeking to be a student shall be required to be approved before completing the registration process.

FAQs

Who should I contact to learn more about high-demand careers? Contact your campus CTE Advisor for your next steps. Contact details are listed on the inside cover of this course catalog and schedule.

How can I obtain professional development credits? Contact a business consultant for the latest professional development opportunities. Visit LoneStar.edu/CorporateCollege for more information.

What if I move or change my phone number? Go to myLoneStar.edu and select CTE Student Center to update your personal information.

What is the tuition/fees refund policy? Students must officially withdraw before class begins to receive a refund. Otherwise, no refund will be given. Membership fees are nonrefundable.

Do I need a LSCS student ID card? All CTE students are eligible for IDs. Students registered in healthcare programs must get a photo ID within the first week of class.

Do I need a meningitis vaccine? Some students may require the meningitis vaccination. For more information, visit LoneStar.edu/meningitis.
REGISTERING FOR CLASSES
LSC offers many possibilities for enriching careers and personal lives. The Career & Technical Education (CTE) and Corporate College Open Enrollment (CCOE) courses listed in this schedule are designed to provide you with courses and certificates that prepare you for your next career or to advance in your current position. Community Education courses provide personal enrichment.

Our mission is to provide diverse, high quality training and educational opportunities in response to community and business needs. Our commitment is to improve skills, enrich lives and engage minds through affordable and accessible workforce and community programs.

Meet with an Advisor
Advisors are available to help you make informed decisions about your career path. We can assist you in scheduling your courses for a specific program certificate or answer any questions you may have regarding the program schedule. Advisors are also available to assist you with registration and providing financial aid options.

Prerequisites
Some programs and courses require documentation or coursework prior to enrollment. Advisors will assist you with that information upon registration.

You can find classes by searching through this catalog or by searching online. Classes are listed by program subject, which are part of the index.

Register for your Career
To register online
To register online, go to LoneStar.edu/ce-registration.

Steps for online registration
LoneStar.edu/ce-registration will take you to a “Search for Classes” page. Enter your course title in the Course Title Keyword box, Search Subject, or enter Catalog Number and hit search.

The search results will display the meeting dates, days, times, and location for classes offered.

If you would like more detail on a specific class, click the Section number. If offered in your search results, you may also click View All Sections (in the top tab of the class description) to view additional class offerings.

Once you have found and decided this is a class you would like to register for, click select class and then add it to your shopping cart by clicking ADD TO SHOPPING CART. Now you can return to the “Search for Classes” page to continue to search for additional classes. Or you may enter the 4-5 digit class number located in the schedule that will allow you to bypass the search and take you directly to the class you want.

If there are no other classes that you want to register for, click PROCEED TO CHECKOUT and COMPLETE ENROLLMENT. You may also add and remove classes from your shopping cart by clicking ADD OR REMOVE CLASSES.

Now you will be prompted to enter a user ID and password. If you are a first-time student, Click Here (in the left-hand box) to enter your personal information. Returning students should enter user ID and password in the space provided. Then hit Sign On.

Once submitted, it may take a few minutes. Note the icon in the upper right corner of the page indicates that your request is processing. If you are a new student, you will be asked to set your password on the Registration Confirmation page. After that, print the Registration Confirmation page.

Next, click CONTINUE TO PAYMENT and pay for your classes.

If you abandon this transaction without paying once initiated, you will be dropped from the class. You have 15 minutes to complete the transaction.

To Register at Campus
Use the Career and Technical Registration form provided in this course catalog and schedule. If registering at a campus, complete the registration form and take it to your nearest Lone Star College campus. Don’t worry if you have blanks left on the form or have questions, advisors are available to help you through this process.

Add/Drop Classes
To add, drop, or change a class, you must do so 48 hours before the class start date. Students who drop the class prior to the start date are guaranteed a full refund. If a drop is made after a class starts, there will be no refund.

Tuition and Fees
An infrastructure fee of $20 is assessed per semester. This fee does not apply to online courses. Additional fees apply to some programs and courses. Fees are subject to change and some may change after the printing of this document.

Course Availability
Some courses are offered only in selected semesters and are not available every semester. Please see course schedule for details, or go to LoneStar.edu/CTE.
Date: _______/_____/20______

Term:  ☐ Fall  ☐ Spring  ☐ Summer
I currently reside:
☐ In the state of Texas
☐ Not in the state of Texas
State:________ County:________

☐ DARS  ☐ TPEG
☐ Hazelwood Exempt  ☐ WIA
☐ TAA

Student Registration Information

Last Name:                                          First Name:   Middle Name: Student ID or Soc. Sec. No.*

Previous Last Name: Date of Birth: Phone No. Home: Cell:

Address: City: State: Zip: Address Change? ☐ Yes ☐ No

Mailing Address (if different) City: State: Zip:

Email Address:

Emergency Contact Name: Relationship: Phone No:

Gender: ☐ M  ☐ F  The following questions are used by the state to help provide support for our programs. Although not required, your cooperation is appreciated.

This information is required and will be used in a nondiscriminatory manner, consistent with applicable civil rights laws. This information will be used for federal and/or state low reporting purposes only.

Race (Check all that apply)
☐ American Indian/Alaskan Native
☐ Asian
☐ Hispanic or Latino
☐ Not Hispanic or Latino
☐ Black/African American
☐ Native Hawaiian/Pacific Islander
☐ White

Additional Information
☐ Academically disadvantaged  ☐ Limited English
☐ Economically disadvantaged  ☐ Displaced Homemaker
☐ Disabled:  ☐ Single Parent
Type of Disability ________________

How did you hear about us?
☐ Received a schedule in the mail
☐ Picked up a schedule from a business location
☐ LoneStar.edu
☐ Other

What is your primary goal?
☐ Personal Enrichment
☐ Leisure Learning
☐ Academy for Lifelong Learning (ALL) Member
☐ Professional Development
☐ Workforce Certificate, Which certificate?
☐ Other

Course Selection

Class # Ex: 55555
Course Title Introduction to Computers
Catalog # ITSCC 2100103
Campus LSC-CyFair
Start Date 09/02/14
Course Fee $180

Total Fee
Method of Payment
Entered by
Date
Receipt #

Payment is due at the time of registration.

Make all checks payable to Lone Star College System. Please read the refund policy in the schedule.

A $20 infrastructure fee is charged per semester.

Student Signature: ____________________________
Charge to My: ____________________________
Card No: ____________________________
Expiration Date: ____________________________
CID number on front or back: ____________________________

Name on Card: ____________________________
Authorized Signature: ____________________________
Billing Address: ____________________________

Visit LoneStar.edu  •  Affirmative Action/EEO College  •  For more information on bacterial meningitis please go to www.Tdh.state.tx.us
Paying for classes

Payment Methods
Credit card or electronic check payment is required when registering online. Accepted credit cards include American Express, Discover, MasterCard or Visa. If you register in person, credit cards and cash are accepted. We also accept money orders and checks. Please make payable to Lone Star College. Payment is due at time of registration.

Returned Checks
There is a $30 charge plus applicable fees for returned checks. Checks returned unpaid must be promptly redeemed by cash or money order, or registration will be canceled and all records withheld.

Refunds
Students must officially withdraw before class begins to receive a refund. Otherwise, no refund will be given. Membership fees are nonrefundable. If you receive a refund check in error, please contact your nearest CTE office.

Need Financial Assistance?

TEXAS PUBLIC EDUCATION GRANT (TPEG)
This funding is available based on an applicant's eligibility and financial need. Many workforce certificate courses are eligible for TPEG funding until funds are depleted. Call your local Lone Star College CTE office for more information. Go to www.fafsa.ed.gov (school code 011145) to complete the Free Application for Federal Student Aid (FAFSA) application.

WIA/Workforce Program
Some certificate programs are certified through the Workforce Investment Act (WIA). Contact Michelle Greer at 281.290.2826 or michelle.c.greer@lonestar.edu to determine if you qualify for paid job training.

Veterans
Veterans who are eligible for benefits under the Hazlewood Act should contact Veterans Affairs at 281.290.2922.

Check with your local LSC campus for more information on additional financial assistance programs and Workforce Grant opportunities.

STUDENT SERVICES

Books
If books and supplies are required, they are not included in the cost of the course, unless indicated in the course description. Books may be purchased in the LSC bookstores or online at efollett.com.

Book Stores
LSC-CyFair 281.290.5950
LSC-Kingwood 281.312.1699
LSC-Victory Center 281.810.5658
LSC-Montgomery 936.273.7338
LSC-Conroe Center 936.756.3947
LSC-North Harris 281.618.5699
LSC-Tomball 281.351.3398
LSC-University Park 281.401.5323

Student Career & Talent Acquisition Services
Lone Star College has a number of ways to assist with your career search. First, our campus Career Services staff can help you determine which career is right for you, then match that with the correct degree or certificate program to prepare you with the right skills and knowledge. When you complete your training or certification you should contact our Student Talent Acquisition Center offers online services and in person job fairs to connect you to Houston area employers. Please visit LoneStar.edu/career-services or LoneStar.edu/career-fairs online or call 281.401.5358.

Disability Support Services (ADA Compliance)
Lone Star College is dedicated to providing access and services in compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act. Support services for students with disabilities are provided on an individual basis. Request for services must be made through the Office of Counseling Services. For information or assistance, call a Lone Star College campus.

Library Services
The mission of the LSC Libraries is to support a successful educational experience, nurture the intellectual and cultural life of the community, encourage critical thought, promote information literacy, and provide innovative and high-quality services and programs. For more information, visit LoneStar.edu/library/about-libraries.

Parking Regulations
All LSC students and visitors are required to obtain a permit to park on college property. Parking permits are required 24 hours a day. For more information, go to LoneStar.edu/parking, call 281.765.7836 or email parking@LoneStar.edu. Vehicle registration for students is valid for one academic year, from the issue date to the end of the academic year (August 31).

Senior Adult - Benefits
Academy for Lifelong Learning (ALL) is a membership program that offers courses specifically designed for active adults age 50+. The membership fee is nonrefundable. For more information, contact the Lone Star College ALL program nearest you.

LSC-CyFair 281.290.5273
LSC-Kingwood 281.312.1750
LSC-Montgomery 936.273.7446
LSC-North Harris 281.765.7947
LSC-Tomball 281.357.3676
LSC-Victory Center 281.765.7947

Persons 60 years and older may receive discounted tuition for certain classes. The discounted price does not apply to all courses. Contact your local CTE office to determine eligible classes.

Transcript Request
CTE students can order a transcript through the CTE Student Center in myLoneStar or contact the CTE office to process a request on your behalf.

Veterans Affairs
Students using Military/Veteran Education Benefits must meet with a Campus Veteran Liaison/Advisor prior to enrolling. The Campus Liaison/Advisors will assist you with your degree plan and ensure your classes are eligible for Military/Veteran Education benefits. Visit LoneStar.edu/veterans-services or call 281.290.2922.

Youth Programs
Lone Star College offers youth classes in the summer and some specific courses throughout the year that provide students an opportunity to enhance existing talents or develop new ones through a variety of classes in age-appropriate groups. For more information contact the Lone Star College near you. The summer sessions begin in June.
### Architecture & Construction

#### Engineering Design & Graphics Technology

<table>
<thead>
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<th>Program/Course</th>
<th>Catalog#</th>
<th>Course#</th>
<th>Contact Hours</th>
<th>Tuition &amp; Fees</th>
<th>Campus</th>
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<tr>
<td>AutoCAD Draftsman Certificate</td>
<td>DFTGC</td>
<td>2101401</td>
<td>32</td>
<td>$440</td>
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### Arts, Audio/Visual Technology & Communication

#### Web

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Search & Register for classes online at LoneStar.edu/CE
### Components of Special Education
- **ATCPC 7000027**
- **48**
- **$526**

### Generalist Teacher Prep or Creating Successful Classrooms
- **ATCPC 7000081 or 7000086**
- **48**
- **$526**

### Field Experience & Mentor Fee
- **30**
- **$500**

### Tuition and Fees
- **305**
- **$4,549.50**

Additional costs required for certification fees and testing, application fees, background checks, courses, course materials and textbooks. Prepares for Texas Teacher Certification Exams.

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### Energy & Manufacturing

#### Engineering Technology

**Industrial Maintenance Assistant**
- **INMTC 1100501**
- **96**
- **$1,281**

**Basic Mechanical Skills for Energy**
- **ENERC 1103001**
- **48**
- **$657**

**Tuition and Fees**
- **144**
- **$1,938**

**Machinist Certificate**
- **MCHNC 1104306**
- **64**
- **$865**

**Operation of CNC Turning Centers**
- **MCHNC 1203100**
- **64**
- **$865**

**Operation of CNC Machining Centers**
- **MCHNC 1203400**
- **64**
- **$865**

**Tuition and Fees**
- **384**
- **$5,283**

**Machinist Master Certificate**
- **MCHNC 1104306**
- **64**
- **$865**

**Operation of CNC Turning Centers**
- **MCHNC 1203100**
- **64**
- **$865**

**Operation of CNC Machining Centers**
- **MCHNC 1203400**
- **64**
- **$865**

**Tuition and Fees**
- **384**
- **$5,283**

#### Oil & Gas Drilling

**Floor-Hand/Roustabout Certificate**
- **PTRTC 1109110**
- **24**
- **$336**

**Introduction to Oil and Gas**
- **INMTC 1100501**
- **96**
- **$1,281**

**Basic Mechanical Skills for Energy**
- **ENERC 1103001**
- **48**
- **$657**

**Drilling (Rig Floor Core Skills)**
- **PTRTC 1100301**
- **80**
- **$1,073**

**Work Skills for the Workplace**
- **BUSGC 1101200**
- **16**
- **$232**

**IADC RIG PASS®**
- **PTRTC 1202500**
- **8**
- **$149**

**IADC WellSharp®**
- **PTRTC 1109105**
- **24**
- **$336**

**Tuition and Fees**
- **296**
- **$4,064**

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### Welding

#### Welder (SMAW & GMAW) Certificate
- Blueprint Reading for Welding  
  - DFTGC  
  - 2102301  
  - 32  
  - $440  
- Math for Welding  
  - WLDGC  
  - 2109117  
  - 32  
  - 440  
- Work Skills for the Workplace  
  - BUSGC  
  - 2101200  
  - 16  
  - 232  
- Shielded Metal Arc Welding (SMAW)  
  - WLDGC  
  - 2102804  
  - 80  
  - 1,313  
- Gas Metal Arc Welding (GMAW)  
  - WLDGC  
  - 2103004  
  - 80  
  - 1,313  
- Tuition and Fees  
  - 240  
  - $3,738

#### Gas Tungsten Welder (GTAW) Certificate
- Gas Tungsten Arc Welding (GTAW)  
  - WLDGC  
  - 2103404  
  - 80  
  - 1,313  
- Tuition and Fees  
  - 80  
  - 1,313

#### Pipe Welder Certificate
- Shielded Metal Arc Pipe  
  - WLDGC  
  - 2104106  
  - 80  
  - 1,313  
- Tuition and Fees  
  - 80  
  - 1,313

#### Welding Pre-Apprentice Certificate (AWS)
- Blueprint Reading for Welding  
  - DFTGC  
  - 2102301  
  - 32  
  - $440  
- Math for Welders  
  - WLDGC  
  - 2103004  
  - 32  
  - 440  
- Work Skills for the Workplace  
  - BUSGC  
  - 2101200  
  - 16  
  - 232  
- Shielded Metal Arc Welding (SMAW)  
  - WLDGC  
  - 2102804  
  - 80  
  - 1,313  
- Gas Metal Arc Welding (GMAW)  
  - WLDGC  
  - 2103004  
  - 80  
  - 1,313  
- Gas Tungsten Arc Welding (GTAW)  
  - WLDGC  
  - 2103404  
  - 80  
  - 1,313  
- Shielded Metal Arc Pipe  
  - WLDGC  
  - 2104106  
  - 80  
  - 1,313  
- Tuition and Fees  
  - 400  
  - $6,364

### Health Science

#### Clinical Medical Assistant Certificate
- Clinical Medical Assistant  
  - MDCAC  
  - 2106001  
  - 262  
  - $2,653  
- Tuition and Fees  
  - 262  
  - $2,653

#### Dental Assistant Certificate
- Dental Assisting I  
  - DNTAC  
  - 2105303  
  - 128  
  - $1,136  
- Dental Assisting II  
  - DNTAC  
  - 2101502  
  - 128  
  - 1,136  
- Dental Assisting III (Clinical)  
  - DNTAC  
  - 2106002  
  - 60  
  - 292  
- Dental Assisting Review, Exam (TSBDE)  
  - DNTAC  
  - 2100302  
  - 16  
  - 201  
- Tuition and Fees  
  - 332  
  - $2,765  
- Insurance Liability Fee (Fa/Sp/Su)  
  - +$12/8/0

Prepares for Registered Dental Exam | Required by: Texas State Board of Dental Examiners

#### Electrocardiography Technician
- Electrocardiography  
  - ECRDC  
  - 2101103  
  - 30  
  - $339  
- Tuition and Fees  
  - 30  
  - $339

#### Electrocardiography Technician
- Electrocardiography  
  - ECRDC  
  - 2101101  
  - 32  
  - $296  
- Electrocardiography, Diagnostic  
  - DSAEC  
  - 2104002  
  - 64  
  - 692  
- Cardiovascular Technology Technician, Clinical  
  - CVTTC  
  - 2106003  
  - 80  
  - 353  
- Electrocardiography Technician Proctor Fee  
  - TESTC  
  - 7000002  
  - 3  
  - 36  
- Tuition and Fees  
  - 179  
  - $1,377  
- Insurance Liability Fee (Fa/Sp/Su)  
  - +$12/8/0

Prepares for Electrocardiograph Technician Exam | Required by: American Certification Agency for Healthcare Professionals

#### Emergency Medical Technician (EMT), Basic Certificate
- Emergency Medical Technician, Basic; Linked to EMSP 1501  
  - EMSPC  
  - 2100103  
  - 144  
  - $411  
- Emergency Medical Technician, Basic Clinical; Linked to EMSP 1160  
  - EMSPC  
  - 2106002  
  - 80  
  - 87  
- Tuition and Fees  
  - 224  
  - $498  
- Insurance Liability Fee (Fa/Sp/Su)  
  - +$12/8/0

Prepares for Emergency Medical Technician Exam | Required by: Texas State Board of Dentists

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LoneStar.edu/CE  
Search & Register for classes online at LoneStar.edu/CE
<table>
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<tr>
<th>PROGRAM/ COURSE</th>
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<th>COURSE#</th>
<th>CONTACT HOURS</th>
<th>TUITION &amp; FEES</th>
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| **Patient Care Technician Certificate** | CF | K | M | NH | T |
| Nurse Aide, Certified | NURAC | 2100105 | 64 | $496 | |
| Nurse Aide, Certified (Clinical) | NURAC | 2106003 | 44 | 332 | |
| Nurse Aide, Certified (Clinical) | NURXC | 7800121 | 8 | 64 | |
| Phlebotomy | PLABC | 2102301 | 96 | 816 | |
| Phlebotomy, Clinical | PLABC | 2109100 | 12 | 126 | |
| Health Occupations Professionalism in the Workplace | | | | | |
| Electrocardiography | ECRDC | 2101101 | 32 | 296 | |
| Medical Terminology | HITTC | 2100500 | 32 | 296 | |
| Tuition and Fees | | | 312 | $2,654 | |
| Insurance Liability Fee (Fa/Sp/Su) | | | | +$12/8/0 | |
| Prepares for TDADS Nurse Aide State Exam | Nurse Aide Training and Competency Program | Prepares for NHA Exam. Required by: National Center for Competency Testing, National Healthcare Association, American Society for Clinical Pathology |

| **Personal Trainer Certificate** | CF | M | NH |
| Personal Training | FITTC | 2103702 | 32 | $344 | |
| Exercise Science | FITTC | 2201301 | 48 | 513 | |
| Tuition and Fees | | | 80 | $857 | |
| Prepares for certification by National Academy of Sports Medicine (NASM) exam. |

| **Phlebotomist Certificate** | CC | K | NH | T |
| Phlebotomy | PLABC | 2102301 | 96 | $816 | |
| Phlebotomy, Clinical | PLABC | 2106001 | 100 | 608 | |
| Tuition and Fees | | | 196 | $1,424 | |
| Insurance Liability Fee (Fa/Sp/Su) | | | | +$12/8/0 | |

| **Information Technology** |
| **Cisco Network Administrator (CCNA) Certificate** | CF | K | NH | T |
| Introduction to Networks; Linked to ITCC 1375 | ITCCC | 2107502 | 80 | $240 | |
| Routing & Switching Essentials; Linked to ITCC 1376 | ITCCC | 2107602 | 80 | 240 | |
| Scaling Networks; Linked to ITCC 2376 | ITCCC | 2207802 | 80 | 240 | |
| Connecting Networks; Linked to ITCC 2379 | ITCCC | 1207902 | 80 | 240 | |
| Tuition and Fees | | | 320 | $960 | |
| Prepares for CISCO Certification Exam. |

| **Law, Public Safety, Corrections, & Security** |
| **Law Enforcement Officer Certificate** |
| Peace Officer I | CJLEC | 2100602 | 175 | $733 | |
| Peace Officer II | CJLEC | 2101202 | 175 | 733 | |
| Peace Officer III | CJLEC | 2101802 | 175 | 733 | |
| Peace Officer IV | CJLEC | 2102402 | 175 | 733 | |
| Tuition and Fees | | | 700 | $2,932 | |

This catalog has been carefully prepared to ensure that all information is accurate; however, Lone Star College reserves the right to make changes, and may result in deviations from the published catalog, including tuition and fees. For the most up to date course catalog, please visit LoneStar.edu/CE.
These programs are designed to prepare students for employment; however, individual workforce courses can also be taken for personal enrichment. Students who complete all courses within a program will earn a workforce certificate.

<table>
<thead>
<tr>
<th>PROGRAM/ COURSE</th>
<th>CATALOG#</th>
<th>COURSE#</th>
<th>CONTACT HOURS</th>
<th>TUITION &amp; FEES</th>
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Search & Register for classes online at LoneStar.edu/CE
Overview

Specialized certification and training for the commercial construction industry may be a great fit for those who already have residential construction experience or those entering the workforce with AutoCAD knowledge. Plus, Lone Star College's certification programs can help you stand out to current or potential employers because you will be trained to the highest industry standards.

For more information, including course listings for each program, visit LoneStar.edu/CTE-Architecture or email LSCCE@LoneStar.edu.

Linked with a credit course. See page 5 for requirements.

Programs

**AutoCAD Draftsman**
- 96 hours, $1,320
  - AutoCAD, Introduction 32 hours, $440
  - AutoCAD, Intermediate 32 hours, $440
  - AutoCAD, Advanced 32 hours, $440

**SolidWorks Designer**
- 60 hours, $828
  - Solidworks I 30 hours, $414
  - Solidworks II 30 hours, $414

**HVAC NCCER Certificate**
- 193 hours, $2,575
  - NCCER Core - Construction Methods/Materials 73 hours, $982
  - Refrigeration Principals 120 hours, $1,593

**Ironworking NCCER Certificate**
- 236 hours, $3,167
  - NCCER Core - Construction Methods/Materials 73 hours, $982
  - Construction Methods, Material/App II 110 hours, $1,463
  - Fundamentals of Oxy-Fuel Cutting 53 hours, $722

**Pipefitting NCCER Certificate**
- 153 hours, $2,055
  - NCCER Core - Construction Methods/Materials 73 hours, $982
  - Basic Pipefitting 80 hours, $1,073

**Welding NCCER Certificate**
- 358 hours, $4,786
  - NCCER Core - Construction Methods/Materials 73 hours, $982
  - Fundamentals of Oxy-Fuel Cutting 40 hours, $553
  - Introduction (SMAW) NCCER 130 hours, $1,723
  - Intermediate (SMAW) NCCER 115 hours, $1,528
AutoCAD, Introduction
DFTGC 2101401 32 Contact Hours $440
Topics include CAD equipment selection and interface; software selection and installation; creating, editing and plotting of line drawings for architectural, electrical, circuit, mechanical, or interior design; create/modify graphic elements, storing and retrieving predefined components; and adding text and dimensions.

LSC-Conroe Center
4043 DFTGC 2101401 C001 MW 8/22/19 6:00 pm-10:00 pm CC 215 Closed 9/5/2016.

LSC-CyFair
17546 DFTGC 2101401 5002 MW 8/22/19 6:00 pm-10:00 pm CASA 219 Department consent required. Contact the CTE office at a LSC campus to register.
17547 DFTGC 2101401 5003 Th 8/23/19 6:00 pm-10:00 pm CASA 219 Department consent required. Contact the CTE office at a LSC campus to register.
17544 DFTGC 2101401 5001 Su 8/27/10/1 Mandatory orientation. For information email Randel.H.Dobson@LoneStar.edu. Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood
17545 DFTGC 2101401 2001 M 9/12/11/21 6:30 pm-9:30 pm CLA 106 Class dismisses one hour early during one session.

LSC-Montgomery
4042 DFTGC 2101401 4001 MW 9/7/10/3 6:00 pm-10:00 pm MCE E203 Closed 9/5/2016.

LSC-North Harris
2669 DFTGC 2101401 1001 MW 9/12/10/5 6:00 pm-10:00 pm DTEC 103

LSC-University Park
6991 DFTGC 2101401 6001 Th 9/6/9/29 UPEMI 143

AutoCAD, Intermediate
DFTGC 1105000 32 Contact Hours $440
Topics include applications; creating, sorting, and retrieving predefined components; placing, rotating, and scaling components; modifying; rubber banding; adding text and dimensions to drawings; multilayering drawings, grids, orthogonal mode; data storage format for writing auxiliary programs; input and output devices; resolution and physical limitations. Textbook required.

LSC-Conroe Center
4050 DFTGC 1105000 C001 MW 9/26/10/19 6:00 pm-10:00 pm CC 215 Department consent required. Contact the CTE office at a LSC campus to register.

LSC-CyFair
4727 DFTGC 1105000 5003 Th 9/20/10/13 6:00 pm-10:00 pm
4726 DFTGC 1105000 5002 MW 9/26/10/19 6:00 pm-10:00 pm
4725 DFTGC 1105000 5001 Su 10/8/11/12 Instruction Type: Online.

LSC-Kingwood
5785 DFTGC 1105000 2001 Th 8/23/9/27 6:30 pm-9:30 pm CLA 106 Class dismisses one hour early during one session.
5786 DFTGC 1105000 2002 Su 10/15/12/10 8:30 am-12:30 pm CLA 106

LSC-Montgomery
4048 DFTGC 1105000 4001 MW 10/10/11/2 6:00 pm-10:00 pm MCE E203 Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris
2671 DFTGC 1105000 1001 MW 10/10/11/2 6:00 pm-10:00 pm DTEC 103

LSC-University Park
17585 DFTGC 1105000 6001 Th 10/11/11/3 6:00 pm-10:00 pm UPEMI 143

AutoCAD, Advanced
DFTGC 1200400 32 Contact Hours $440
Two- and three-dimensional drawings using three-dimensional display options and specifying user-defined coordinate systems. Prerequisites: AutoCAD, Intermediate. Textbook required.

LSC-Conroe Center
4057 DFTGC 1200400 C001 MW 10/31/11/28 6:00 pm-10:00 pm CC 215 Department consent required. Contact the CTE office at a LSC campus to register. Closed 11/23/2016.

LSC-CyFair
4730 DFTGC 1200400 5003 Th 10/18/11/10 6:00 pm-10:00 pm
4729 DFTGC 1200400 5002 MW 10/24/11/16 6:00 pm-10:00 pm
4728 DFTGC 1200400 5001 Sa 11/19/12/24 Instruction Type: Online.

LSC-Kingwood
5788 DFTGC 1200400 2001 Th 10/4/11/8 6:30 pm-9:30 pm CLA 106 Class dismisses one hour early during one session.

LSC-Montgomery
4055 DFTGC 1200400 4001 MW 11/14/12/12 6:00 pm-10:00 pm MCE E203 Department consent required. Contact the CTE office at a LSC campus to register. Closed 11/23/2016.

LSC-North Harris
2683 DFTGC 1200400 1001 MW 11/7/12/5 6:00 pm-10:00 pm DTEC 103

LSC-University Park
17586 DFTGC 1200400 6001 Th 11/15/12/13 6:00 pm-10:00 pm UPEMI 143

Basic Pipefitting Skills NCCE
PFPBC 2100801 80 Contact Hours $1073 Mathematical operations necessary to calculate laying lengths of pipe fittings for fabrication. Identification and use of hand tools and power tools. Identification of pipe, pipe fittings, flanges, and fasteners used in the trade.

LSC-North Harris
10038 PFPBC 2100801 1001 W 9/14 10:00 am-3:30 pm
10038 PFPBC 2100801 1001 Th 9/15/10/3 7:30 am-3:30 pm
10038 PFPBC 2100801 1001 T 10/4 7:30 am-10:00 am

Construction Methods & Materials I NCCE
CNBTC 2101106 73 Contact Hours $982 This course develops a foundation for construction skilled construction trade training. It covers basic job site safety, identification and safe use of construction and hand tools and power tools, reading construction drawings, construction math, rigging equipment identification and the safe use of rigging equipment, and job site communication skills.

LSC-North Harris
10025 CNBTC 2101106 1002 Th 8/22/9/6 7:30 am-3:30 pm
10035 CNBTC 2101106 1003 Th 8/29/9/13 7:30 am-3:30 pm
15500 CNBTC 2101106 1005 Th 9/7/21 7:30 am-3:30 pm
10025 CNBTC 2101106 1002 W 9/7 7:30 am-12:30 pm
10040 CNBTC 2101106 1004 Th 9/12/9/26 7:30 am-3:30 pm
10035 CNBTC 2101106 1003 W 9/14 7:30 am-10:00 am
15500 CNBTC 2101106 1005 Th 9/22 7:30 am-12:30 pm
10040 CNBTC 2101106 1004 T 9/27 7:30 am-12:30 pm
Forklift Certification
CNSEC 1100304 10 Contact Hours $154
Information and training for forklift operators including forklift design, controls and instrumentation, comprehensive pre-use inspection, and forklift stability and factors affecting stability. Includes hands-on training and demonstration of proficiency. Providing a Train the Trainer Workshop.

LSC-University Park
16295 CNSEC 1100304 6001 WTH 9/14-9/15 8:00 am-1:00 pm UPEMI 110
16297 CNSEC 1100304 6002 WTH 10/12-10/13 8:00 am-1:00 pm UPEMI 110
16299 CNSEC 1100304 6003 WTH 11/16-11/17 8:00 am-1:00 pm UPEMI 110

Project Scheduling using MS Project
CNBTC 2105901 48 Contact Hours $657
A study of conventional scheduling using critical-path-method; precedence and arrow networks; bar charts; monthly reports; and fast-track scheduling. Explore the process of organizing, scheduling, and managing several tasks in a required sequence so that a project is completed within a specified time period and budget. Requirements: students must have access to the Internet, e-mail and Microsoft Project 2010.

LSC-Kingwood
Start anytime and complete in twelve weeks! Call 281.312.1660 to register.
Department consent required. Contact the CTE office at a LSC campus to register.
Instruction Type: Online.

Refrigeration Principles
HARTC 2100701 96 Contact Hours $336
An introduction to the refrigeration cycle, basic thermodynamics, heat transfer, temperature/pressure relationship, refrigeration containment, and refrigeration components. Must have high school diploma, successful completion of GED or be in the early admissions program. This course is linked to HART 1407.

LSC-Victory Center
Department consent required. Contact the CTE office at a LSC campus to register.

Refrigeration Principles NCCER
HARTC 2100705 120 Contact Hours $1593
An introduction to the refrigeration cycle, heat transfer theory, temperature/pressure relationship, refrigerant handling, refrigeration components, and safety.

LSC-North Harris
Department consent required. Contact the CTE office at a LSC campus to register.

Your career in construction awaits!
Learn the basics of commercial construction. Courses are designed to be completed in as little as 8 weeks and involve extensive hands-on training, taught by experts in this field.

For more information, call 281-618-5602 or email LSCNHCE@LoneStar.edu
SolidWorks I
DFTGC 2109120 30 Contact Hours $414
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Addresses training in the design software SolidWorks.

LSC-CyFair
17552 DFTGC 2109120 5001 MW 9/12-10/12 6:00 pm-9:00 pm CASA 219
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood
17550 DFTGC 2109120 2001 M 9/12-11/14 6:30 pm-9:30 pm CLA 106

LSC-North Harris
2705 DFTGC 2109120 1001 MTh 9/6-10/6 6:00 pm-9:00 pm DTEC 103

LSC-University Park
7049 DFTGC 2109120 6001 Sa 9/10-10/8 9:00 am-3:00 pm UP-EMI 214
7065 DFTGC 2109120 6002 Su 10/29-12/17
Instruction Type: Online.

SolidWorks II
DFTGC 1109101 30 Contact Hours $414
This course was designed to be repeated multiple times to improve student proficiency. This course addresses training in a more advanced level of the design software SolidWorks. Textbook required.

LSC-CyFair
4733 DFTGC 1109101 5001 MW 10/17-11/16 6:00 pm-9:00 pm CASA 219
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris
2701 DFTGC 1109101 1001 TTh 10/11-11/10 6:00 pm-9:00 pm DTEC 103

LSC-University Park
17587 DFTGC 1109101 6002 Sa 10/22-11/19 9:00 am-3:00 pm UP-EMI 214
17590 DFTGC 1109101 6003 Su 10/29-12/17
Instruction Type: Online.

14154 DFTGC 1109101 6001 TTh 11/15-12/15 6:00 pm-10:00 pm

National Center for Construction Education and Research (NCCER) is partnering with Lone Star College to provide approved training in Welding, HVAC, Pipefitting and Ironworking! Enter into the fastest-growing industry in Houston by selecting your courses today!

• Financial Aid is available for those who qualify
• Industry experienced faculty
• High tech facilities for hands-on training

Register Today!
Arts, Audio/Visual Technology & Communication

Overview

The opportunities in the visual communication industry are great!

In today’s highly competitive job market, you need the skills and confidence that will help you stand out among the rest. Our workforce certificates in Web Designer and Web Developer provide you with the knowledge and technical skills needed to start or advance your career. Learn HTML5, CSS3, WordPress, and more by registering today.

For more information, go to LoneStar.edu/cte-arts or email LSCCE@LoneStar.edu.

Programs

<table>
<thead>
<tr>
<th>Programs</th>
<th>Hours</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td><strong>Web Designer</strong></td>
<td>104</td>
<td>$1,448</td>
</tr>
<tr>
<td>HTML I, Website Development (Introduction)</td>
<td>32 hours</td>
<td>$440</td>
</tr>
<tr>
<td>Photoshop I for Web</td>
<td>24 hours</td>
<td>$336</td>
</tr>
<tr>
<td>WordPress I</td>
<td>24 hours</td>
<td>$336</td>
</tr>
<tr>
<td>Photoshop II for Web</td>
<td>24 hours</td>
<td>$336</td>
</tr>
</tbody>
</table>

| Web Developer     | 168   | $2,352|
| HTML I, Web Site Development (Introduction) | 32 hours | $440 |
| Photoshop I for Web | 24 hours | $336 |
| WordPress I       | 24 hours | $336 |
| HTML II: Website Development (Advanced) | 24 hours | $336 |
| WordPress II      | 32 hours | $440 |
| Designing Effective Websites | 16 hours | $232 |
| SEO: Analytics and Tracking | 16 hours | $232 |

Linked with a credit course. See page 5 for requirements.
Design Communications I

ARTCC 2101701 96 Contact Hours $252
Study of design development relating to graphic design terminology, tools and media, and layout and design concepts. Topics include integration of type, images and other design elements, and developing computer skills in industry standard computer programs. This course is linked to ARTC 1317. Prerequisite: ENGL 0305 or ENGL 0316 AND ENGL 0307 or 0326 or 0356, or higher level course (ENGL 1301), or placement by testing.

LSC-Kingwood
15907 ARTCC 2101701 2001 TTh 8/29-12/18 9:30 am-11:50 am ADM 202

Digital Imaging I

ARTCC 2100202 80 Contact Hours $252
Digital imaging using raster image editing and/or image creation software: scanning, resolution, file formats, output devices, color systems, and image-acquisitions. Must have high school diploma, successful completion of GED or be in the early admissions program. This course is linked to ARTC 1302. Prerequisite: Competent knowledge of either Macintosh or Windows operating system.

LSC-Kingwood
15904 ARTCC 2100202 2001 MW 8/29-12/18 1:30 pm-3:50 pm ADM 202

LSC-Montgomery
14797 ARTCC 2100202 4301 T 8/29-12/18 6:30 pm-9:00 pm MCF F331
Blended; In person with some online instruction required. Online orientation required. Access your course at www.LoneStar.edu/lsc-online. Instruction Type: Hybrid, Internet.

LSC-North Harris
10375 ARTCC 2100202 1001 MW 8/29-12/18 8:30 am-10:20 am DTEC 111
Use Photoshop. Additional 1 hr/week in open lab. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Computer.
10401 ARTCC 2100202 1003 MW 8/29-12/18 2:00 pm-4:20 pm DTEC 113
Use Photoshop. Additional 1 hr/week in open lab. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Computer.
10415 ARTCC 2100202 1007 F 9/9-12/18 DTEC 111
Use Photoshop. Additional 1 hr/week in open lab. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Computer.
10409 ARTCC 2100202 1005 T 9/9-12/18 6:00 pm-9:50 pm DTEC 113
Use Photoshop. Additional 1 hr/week in open lab. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Computer.

HTML I, Web Site Development

ITNWC 2105901 32 Contact Hours $440
This course will focus on the use of the World Wide Web (WWW) and the creation of a home page. Web browsers and Hypertext Markup Language (HTML) are discussed. Plan the content, structure, and layout of a web site that you create using HTML. Includes tables, hot buttons, animations, and comparison of browsers. Prerequisite: Computer Fundamentals or equivalent knowledge.

LSC-Creekside Center
15397 ITNWC 2105901 K001 W 8/31-10/19 6:00 pm-10:00 pm

Photoshop I for Web

GRPHC 2109201 24 Contact Hours $336
Course content with focused modules on Copyright Law and licensing considerations, web graphic formats, image layers and blending, image export and delivery. 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 in web design and web development. Participants must have high school diploma or successful completion of the GED.

LSC-Creekside Center
15391 GRPHC 2109201 K001 Th 9/8-10/13 6:00 pm-10:00 pm

LSC-Montgomery
1418 GRPHC 2109201 4001 W 10/5-10/26 6:00 pm-10:00 pm

Photoshop II for Web

GRPHC 2109200 24 Contact Hours $336
Course content with focused modules on typographical design, vector drawing techniques, advanced filtering and creating a professional web gallery. 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 in web design and web development.

LSC-Creekside Center
15386 GRPHC 2109200 K001 Th 10/26-12/1 6:00 pm-10:00 pm

WordPress I

ITSEC 2109151 24 Contact Hours $336
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Identifying the factors for a data driven site with CMS vs. a Static Site including review of all the options of WordPress, Joomla and Drupal. Recognizing the components and practical usage of WordPress.

LSC-Creekside Center
15403 ITSEC 2109151 K001 W 10/26-12/7 6:00 pm-10:00 pm

LSC-Montgomery
1419 ITSEC 2109151 4001 W 11/2-11/30 6:00 pm-10:00 pm
Department consent required. Contact the CTE office at a LSC campus to register. Closed 11/25/16. Instruction Type: Hybrid, Internet.
**Overview**

Never have there been so many options for business-minded people. We are newly hired or nearly retired, self employed or on a team. We work globally or locally, full time or part time, from home or in company cubicles.

Whether you’re fine-tuning administrative skills, climbing the corporate ladder or on the way to being the boss, at Lone Star College, your business is our business. We believe in careers. Not just jobs.

Programs are available online or in class, weekdays or weekends, daytime or evenings. Find your field or area of interest, choose a course and get to work!

For more information, including course lists for each program, go to LoneStar.edu/CTE-Business.

**Programs**

**Accounting Assistant/Bookkeeper Certificate,**  
See Finance

**Bookkeeper/Payroll Clerk Certificate,**  
See Finance

<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
<th>Cost</th>
</tr>
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<tbody>
<tr>
<td>Project Management Certification</td>
<td>35</td>
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<tr>
<td>PMP Certification Exam Preparation</td>
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<tr>
<td>Management Certificate</td>
<td>48</td>
<td>$768</td>
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<td>Supervision, Introduction</td>
<td>8</td>
<td>$128</td>
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<tr>
<td>Communication Skills for Managers</td>
<td>8</td>
<td>$128</td>
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<tr>
<td>Supervisors, Legal Issues</td>
<td>8</td>
<td>$128</td>
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<tr>
<td>Employee Performance Review</td>
<td>8</td>
<td>$128</td>
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<tr>
<td>Lead Effective Meetings</td>
<td>8</td>
<td>$128</td>
</tr>
<tr>
<td>Team Building in the Workplace</td>
<td>8</td>
<td>$128</td>
</tr>
</tbody>
</table>

Linked with a credit course. See page 5 for requirements.
Accounting, Office I
ACNTC 2100106 24 Contact Hours $336
This course focuses on analyzing, classifying and recording business transactions. Emphasis is placed on understanding the complete accounting cycle and preparing financial statements, bank reconciliations and payroll.

LSC-Creekside Center
15365 ACNT 2100106 K001 MW 9/7/24 6:00 pm-10:00 pm

LSC-CyFair
4759 ACNT 2100106 5001 TTh 9/20-10/6 6:00 pm-10:00 pm

LSC-Kingwood
5779 ACNT 2100106 2001 MW 9/19-10/26 9:00 am-11:00 am

LSC-North Harris
2657 ACNT 2100106 1001 TTh 9/6-9/29 6:00 pm-9:00 pm

LSC-Tomball
2918 ACNT 2100106 3001 MW 10/17-11/2 9:00 am-1:00 pm

Accounting, Office II
ACNT 2104201 24 Contact Hours $336
Focus on accounting for merchandising, notes payable, notes receivable, valuation of receivables, valuation of plant and equipment, and voucher system.

LSC-Conroe Center
6057 ACNT 2104201 C001 MW 9/12-10/5 6:00 pm-10:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Creekside Center
15376 ACNT 2104201 K001 MW 9/28-10/17 6:00 pm-10:00 pm

LSC-CyFair
4763 ACNT 2104201 5001 TTh 10/11-10/27 6:00 pm-10:00 pm

LSC-Kingwood
5781 ACNT 2104201 2001 TTh 10/4-11/10 7:00 pm-9:00 pm
5782 ACNT 2104201 2002 MW 10/31-12/14 9:00 am-11:00 am

LSC-North Harris
2659 ACNT 2104201 1001 TTh 10/4-10/27 6:00 pm-9:00 pm

LSC-Tomball
2920 ACNT 2104201 3001 MW 11/7-11/30 9:00 am-1:00 pm

Accounting II, Principles
ACCTC 3200202 80 Contact Hours $312
An introduction to managerial accounting including a study of costs and cost behavior within business entities, the use of cost information for planning and control decisions, and product costing for purposes of inventory valuation and income determination. This course is linked to ACCT 2402. Prerequisite: ACCT 2401.

LSC-Kingwood
15352 ACCT 3200202 2001 MW 8/29-12/18 10:30 am-12:50 pm

LSC-North Harris
12046 ACCT 3200202 1003 MW 8/29-12/18 1:00 pm-2:15 pm
Hybrid class some face to face meetings required Internet access and minimum computer skills required Lab hours are included in Lecture Component Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
13932 ACCT 3200202 1011 TTh 8/29-12/18 3:00 pm-5:20 pm
Department consent required. Contact the CTE office at a LSC campus to register.

Business Law
BUSIC 3200501 48 Contact Hours $237
This course provides the student with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. This course is linked to BUSI 2301. Prerequisite: College Level Readiness in Reading AND Writing.

LSC-Montgomery
14883 BUSIC 3200501 4301 M 8/29-12/18 6:00 pm-9:00 pm
14882 BUSIC 3200501 4002 TTh 8/29-12/18 8:30 am-9:50 am

Business Principles
BUSIC 3100101 48 Contact Hours $237
This course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in the legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life. This course is linked to BUSI 1301.

LSC-Montgomery
14846 BUSIC 3100101 4001 MW 8/29-12/18 8:30 am-9:50 am
14850 BUSIC 3100101 4002 TTh 8/29-10/23 12:00 pm-1:20 pm

Communication Skills for Managers
BMGT 1101900 8 Contact Hours $128
Basic theory of communication skills as appropriate and applicable to individuals or groups in the business environment. Includes listening, speaking, writing, and communicating non-verbally.

LSC-Montgomery
16721 BMGT 1101900 4001 MSu 8/29/9/2
Please contact instructor by email before start date of course at Janet.L.Taber@Lonestar.edu. Instruction Type: Online.
16722 BMGT 1101900 4002 MSu 10/10/10
Please contact instructor by email before start date of course at Janet.L.Taber@Lonestar.edu. Instruction Type: Online.

LSC-University Park
13986 BMGT 1101900 6001 MSu 8/29/9/2
Please contact instructor by email before start date of course at Janet.L.Taber@Lonestar.edu. Instruction Type: Online.
14005 BMGT 1101900 6002 MSu 10/10/10
Please contact instructor by email before start date of course at Janet.L.Taber@Lonestar.edu. Instruction Type: Online.
Employee Performance Review
BMGTC 1101100 8 Contact Hours $128
A course to provide organizational leaders with methods to conduct discussions on workplace performance. Topics include identifying performance situations which require action and preparing for a collaboration performance review.

LSC-Montgomery
16719 BMGTC 1101100 4001 M Su 9/19/23
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu Instruction Type: Online.
16720 BMGTC 1101100 4002 M Su 10/31-11/4
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu Instruction Type: Online.

LSC-Conroe Center
16701 BMGTC 1101100 4003 M 10/30 Contact Hours $128
A course to provide organizational leaders with methods to conduct discussions on workplace performance. Topics include identifying performance situations which require action and preparing for a collaboration performance review.

Excel II
ITSWC 2104606 16 Contact Hours $232
Instruction in moving and copying, cell contents; sorting mathematical, statistical, and financial functions; date and time arithmetic; report generation; and built-in graphics support; data and time arithmetic; report generation; and built-in graphics support. Create formulas to generate mathematical functions; create charts and produce reports. Prerequisite: Excel I.

LSC-Conroe Center
6082 ITS WC 2104606 C001 M 10/31-11/9 6:00 pm-10:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Creekside Center
15405 ITS WC 2104606 K001 MW 11/28-12/7 6:00 pm-10:00 pm

LSC-CyFair
4794 ITS WC 2104606 5001 Sa 10/29-11/5 8:00 am-5:00 pm

LSC-Kingwood
ITS WC 2104606
Start anytime and complete in four weeks! Student must have access to the Internet and email. Access on the student’s computer to the software being studied is useful for practice, but not required. An electronic textbook and other course materials are supplied through an online site operated by the textbook publisher and is required. An additional fee is payable to the publisher for access to these materials. Call 281.312.1660 to register. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.

LSC-Montgomery
6065 ITS WC 2104606 4001 TTh 8/30-9/5 6:00 pm-10:00 pm MCE E203
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Tomball
3021 ITS WC 2104606 3001 MW 9/19-9/28 9:00 am-1:00 pm E 160

Information and Project Management
BMGTC 2102301 48 Contact Hours $237
Critical path methods for planning and controlling projects. Includes time/cost tradeoffs, resource utilization, stochastic considerations, task determination, time management, scheduling management, status reports, budget management, customer service, professional attitude, and project supervision. Participants must have high school diploma, successful completion of the GED or be in the early admissions program. This course is linked to BMGT 1309.

LSC-Montgomery
14839 BMGTC 2102301 4301 T 9/26-12/18 8:00 pm-8:30 pm MCE F316
Late start 12 week course begins 9/26/2016 and ends 12/18/2016. Blended: In person with some online instruction required. Online orientation required. Access your course at www.LoneStar.edu/lsc-online. Instruction Type: Hybrid, Internet.

Lead Effective Meetings
BMGTC 1109121 8 Contact Hours $128
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Learn to bring focus to every agenda, handle disruptions with ease and condense meetings for more productive use of time.

LSC-Montgomery
16726 BMGTC 1109121 4001 M Su 9/26/9/30
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu Instruction Type: Online.
16727 BMGTC 1109121 4002 M Su 11/7/11/11
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu Instruction Type: Online.

LSC-University Park
14000 BMGTC 1109121 6001 M Su 9/26/9/30
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu Instruction Type: Online.
14017 BMGTC 1109121 6002 M Su 11/7/11/11
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu Instruction Type: Online.
Lean Six Sigma Black Belt Certification
BMGTC 1109150  62 Contact Hours  $3324
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. Course was designed to be repeated multiple times to improve student proficiency. This course is designed to take Green Belts to the Black Belt level; this certification requires completing a capstone project, which gives you the opportunity to apply the knowledge and skills acquired to specific problems. As a Black Belt or Project Lead, you will master the skills necessary to lead a complex process improvement project that produces bottom line results. Format: Workshop/Online.

Lean Six Sigma Green Belt Certification
BMGTC 1109151  57 Contact Hours  $1918
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. The content blends the Lean process improvement tools with the problem-solving tools of Six Sigma following the DMAIC (Define, Measure, Analyze, Improve, and Control) model. Learn to play a major role in process improvement projects as a team member or leader of projects within your functional areas. This certification requires completing a capstone project, which gives you the opportunity to apply the knowledge and skills acquired to specific problems. As a Green Belt or Project Lead, you will master the skills necessary to lead a complex process improvement project that produces bottom line results. Format: Workshop/Online.

Legal Issues for Supervisors
BMGTC 1109502  8 Contact Hours  $128
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Prepares supervisors to handle basic human resource functions in a way that will assure the best possible result. Emphasizes employee rights and the legal aspects of supervision.

Management, Principles
BMGTC 2102701  48 Contact Hours  $237
Concepts, terminology, principles, theories, and issues in the field of management. This course is linked to BMGT 1327.

Payroll Accounting I
ACNTC 2101511  24 Contact Hours  $336
Focus on payroll and associated records, including time and record keeping, actual payroll, and quarterly and annual reports.

Payroll Accounting II
ACNTC 2109112  24 Contact Hours  $336
Continuation of Payroll Accounting I. Focus on payroll and associated records, including time and record keeping, actual payroll, and quarterly and annual reports.

PayTrain Fundamentals
ACNTC 2109108  30 Contact Hours  $339
The PayTrain Fundamentals course teaches the fundamental payroll calculations and applications providing students with the basic knowledge and skills required to maintain payroll compliance and prevent costly penalties. This course is ideal for new payroll professionals, those who support the payroll industry, those who are preparing for the FPC Certification from the American Payroll Association, and those who wish to take the Mastery course. Enrollees receive live classroom instruction and access to interactive online quizzes, games, and application exercises to reinforce topics learned. Topics include: Payroll concepts, payroll calculations, fringe benefits, payroll reporting and employment taxes, record keeping and payroll practices, payroll accounting, administration. Participants who successfully complete the course can expect to function as entry-level payroll administrators. Required textbook, to be purchased by student, is an additional cost of approximately $450.
PayTrain Mastery
ACNTC 2109107 36 Contact Hours $402
PayTrain Mastery is a comprehensive course providing students with a solid understanding of advanced payroll topics necessary for payroll managers and supervisors. This course is ideal for experienced payroll professionals seeking compliance training, professional development, or CPP Certification from the American Payroll Association. Enrollees receive live classroom instruction and access to interactive online games and applications to reinforce topics learned. Please note, the PayTrain Fundamentals course is a pre-requisite. Topics include: Employee vs. Independent Contractor, payroll tax reporting, Fair Labor Standards, federal taxation and other legislation, payroll accounting, record keeping and systems, payroll management and administration. Participants who successfully complete the course can be considered for advancement to supervisory and managerial positions in payroll. Required textbook, to be purchased by student, is an additional cost of approximately $450.
LSC-Tomball
2921 ACNTC 2109107 3001 Sa 10/15-11/19 9:00 am-3:00 pm

Personal Finance
BUSIC 3100401 48 Contact Hours $234
A study of the financial problems which people ordinarily encounter in personal money management. Includes financial planning, budgeting, insurance, buying taxes, use of credit, consumer protection, investing, savings, home ownership, estate planning, and basic statistics as applied to consumer problems. This course is linked to BUSI 1307. Prerequisite: College Level Readiness in Reading AND Writing.
LSC-Montgomery
14881 BUSIC 3100401 4001 Th 8/29-12/18 10:00 am-11:20 am

PMP Certification Exam Preparation
BMGX C 5000134 35 Contact Hours $1566
Methods for planning and controlling projects. Includes project management concepts and models, critical path, analysis of time/cost benefits, and resource utilization. If you have work-related experience, this class is for you. We will help you hone your expertise to a razor sharp edge during our comprehensive review of the ten major project management subject areas from the PMBOK® 5th Edition. This course prepares you to take the Project Management Professional (PMP®) exam and satisfies the 35-contact hour requirement needed to qualify to take the PMP® exam. Structure: Environment: Seminar/Classroom/ Workshop/ Online. Three days of classroom instruction followed by two days of online practice questions and comprehensive feedback (at your own pace). Includes a new Amazon Kindle, lunch and refreshments.
LSC-University Park
5423 BMGX C 5000134 6001 MW 9/12/14 8:00 am-5:00 pm
Instruction Type: Hybrid, Internet.
5423 BMGX C 5000134 6001 9/15/16
Instruction Type: Hybrid, Internet.
5428 BMGX C 5000134 6002 MW 10/17-10/19 8:00 am-5:00 pm
Instruction Type: Hybrid, Internet.
5428 BMGX C 5000134 6002 10/20-10/21
Instruction Type: Hybrid, Internet.

Principles of Financial Accounting
ACCTC 3200101 80 Contact Hours $312
This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders’ equity results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners’ equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS). (5203015104)
This course is linked to ACCT 2401.
LSC-Kingwood
15806 ACCTC 3200101 2001 MW 8/29-12/18 8:00 am-10:20 am LIB 220
15818 ACCTC 3200101 2005 Th 8/29-12/18 6:00 pm-8:20 pm LIB 220

Professionalism in Workplace
BUSGC 2101202 16 Contact Hours $232
Develop entry-level skills for the workforce. Includes professionalism, interpersonal skills, communication, workplace civility, and employability skills.
LSC-North Harris
2359 BUSGC 2101202 1001 MTh 10/10-10/21
Instruction Type: Online.

QuickBooks I
ACNTC 2101002 16 Contact Hours $232
Set up accounts; record and process basic transactions, journal entries, accounts receivable and payable; and generate fundamental business reports. Additional topics include cost accounting, budget controls, and year-end reporting. Prerequisites: Windows or equivalent knowledge and Office Accounting or equivalent experience.
LSC-Conroe Center
6087 ACNTC 2101002 2001 Th 11/15-11/29 6:00 pm-10:00 pm
## Corporate College/Career & Technical Education

### Business Management & Administration

**Register for classes online at** LoneStar.edu/CTE  
**Questions? Email** LSCCE@LoneStar.edu

### Course Descriptions

#### Business Management & Administration

**LSC-CyFair**  
4765 ACNTC 2101002 5001 TTh 11/1-11/10 6:00 pm-10:00 pm

**LSC-Kingwood**  
5780 ACNTC 2101002 2001 W 8/31-9/28 6:30 pm-9:30 pm  
CLA 106  
Class meets from 6:00-10:00PM one session.

**LSC-Montgomery**  
6090 ACNTC 2101002 4001 TTh 9/20-9/29 6:00 pm-10:00 pm  
MCE E203

**LSC-North Harris**  
2357 ACNTC 2101002 1001 TTh 10/25-11/3 8:00 am-12:00 pm  
DTEC 103

**LSC-Tomball**  
2925 ACNTC 2101002 3002 TTh 11/10-11/22 9:00 am-1:00 pm  
2924 ACNTC 2101002 3001 TTh 11/10-11/22 6:00 pm-10:00 pm

**QuickBooks II**  
ACNTC 2105402 16 Contact Hours $232

Enhance your skills using advanced features in accounts receivable, transactions, invoicing, adjustments, and security features. Topics include advanced report verification and generation. Prerequisite: QuickBooks I or equivalent experience.

**LSC-Conroe Center**  
6098 ACNTC 2105402 C001 TTh 12/5-12/14 6:00 pm-10:00 pm  
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-CyFair**  
4766 ACNTC 2105402 5001 TTh 11/15-11/29 6:00 pm-10:00 pm

**LSC-Kingwood**  
5783 ACNTC 2105402 2001 W 10/12-11/9 6:30 pm-9:30 pm  
CLA 106  
Class meets from 6:00-10:00PM one session.

**LSC-Montgomery**  
6094 ACNTC 2105402 4001 TTh 10/11-10/27 6:00 pm-10:00 pm  
MCE E203  
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-North Harris**  
2358 ACNTC 2105402 1001 TTh 10/11-10/19 8:00 am-12:00 pm  
DTEC 103

**LSC-Tomball**  
2927 ACNTC 2105402 3002 TTh 11/29-12/8 9:00 am-1:00 pm  
2926 ACNTC 2105402 3001 TTh 11/29-12/8 6:00 pm-10:00 pm  
E 182

### Supervision, Introduction

**BMGTC 1101000**  
8 Contact Hours $128

Discussion of basic supervisory tasks, performance skills, common problems encountered, and effective solution strategies.

**LSC-Montgomery**  
16717 BMGTC 1101000 4001 MSu 8/22-8/26  
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu. Instruction Type: Online.

16718 BMGTC 1101000 4002 MSu 10/3-10/7  
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu. Instruction Type: Online.

**LSC-University Park**  
13982 BMGTC 1101000 6001 MSu 8/22-8/26  
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu. Instruction Type: Online.

14001 BMGTC 1101000 6002 MSu 10/3-10/7  
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu. Instruction Type: Online.

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Houston’s real estate market is booming and now is the time to consider a career in real estate. In addition to real estate agents, career opportunities include appraisers, finance, property managers, real estate consultants, and more.

In partnership with Champions Real Estate, Lone Star College offers courses for Texas real estate licensing and professional development for existing realtors in various formats including Fast-Track Correspondence, Correspondence Online, and Home Study Correspondence.

Other courses include:  
- Appraisals  
- Finance  
- Investments  
- Law  
- Marketing  
- Property Management

For more information, contact Tomball CE at LSCTBCE@LoneStar.edu  
281.357.3676

Champions School of Real Estate at www.ChampionsSchool.com  
#0123
Team Building in the Workplace
BMGTC 1101907 8 Contact Hours $128
Basic principles of building and sustaining teams in organizations. Includes team dynamics, process improvement, trust and collaboration, and the role of the individual in the team.

LSC-Montgomery
16725 BMGTC 1101907 4001 M 9/6/9/9
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu. Instruction Type: Online.
16725 BMGTC 1101907 4002 M 10/17-10/21
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu. Instruction Type: Online.

LSC-University Park
13989 BMGTC 1101907 6001 M 9/6-9/9
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu. Instruction Type: Online.
14009 BMGTC 1101907 6002 M 10/17-10/21
Please contact instructor by email before start date of course at Janet.L.Taber@lonestar.edu. Instruction Type: Online.

Wedding Planner Certification
BUSGC 2109124 40 Contact Hours $924
The Wedding Planning Institute’s fast-track certification program is the industry standard for individuals looking to get started in the wedding and event planning business right away. Topics include, business planning for the wedding planner, wedding styles, signatures and themes. Wedding etiquette in America, vendors and contracts, stationery, attire, public relations, introduction to sales and marketing, reception logistics, cakes and desserts, music, photography, decorations, wedding favors, pre-and post-celebrations and expanding business revenue streams will also be presented. Prepares for the LWPI’s (Lovegevity’s Wedding Planning Institute) certification exam. PC or laptop required as tablets do not work with the online system.

LSC-North Harris
1871 BUSGC 2109124 1001 M 9/12-11/28 6:00 pm-9:30 pm CMED 206

Work Skills for the Workplace
BUSGC 2101200 16 Contact Hours $232
Develop entry-level skills for the workforce. Includes professionalism, interpersonal skills, communication, workplace civility, and employability (resume/interview) skills.

LSC-Conroe Center
16209 BUSGC 2101200 0001 F 11/4-11/11 8:00 am-5:00 pm CC 215
LSC-North Harris
2360 BUSGC 2101200 1001 M 10/10-10/21 Instruction Type: Online.
Overview

Watching people master new skills is inspiring. If you love helping others and have a true desire to see them succeed, a career in teaching just might be for you.

Lone Star College has a variety of education and training programs, and offers specialized courses like Integrating Technology, Pedagogy and Professional Responsibilities, and Components of Special Education to give you the well-rounded foundation you need to be a successful educator.

Application Process

- Application with $40 non-refundable fee
- Bachelor’s Degree, except for CTE-Trade and Industrial certifications requiring work experience and licensing
- A minimum 2.5 GPA expected
- Transcripts from all colleges attended
- Qualifying Exam for entrance into the program
- Resume
- Three Professional References
- One Page Essay
- Certification Area – What age student and what subject will you teach

For more information, email ATCP@LoneStar.edu or visit LoneStar.edu/cluster-education-training.

Programs

Substitute Teacher

- Substitute Teacher Training
- Tools for Teaching Module

Texas Teacher Certification - Clinical Teaching Track

- Pedagogy and Professional Responsibilities (PPR) 108 hours, $856
- TEES Review: PPR EC-12 7 hours, $105.50
- Clinical Teaching 62 hours, $1,018
- Components of Special Education 48 hours, $526
- Generalist Teacher Prep or Creating Successful Classrooms 48 hours, $526

Field Experience 30 hours

Texas Teacher Certification - Internship Track

- Pedagogy and Professional Responsibilities PPR 108 hours, $856
- TEES Review: PPR EC-12 7 hours, $105.50
- TCP Internship I 32 hours, $1,018
- TCP Internship II 32 hours, $1,018
- Components of Special Education 48 hours, $526
- Generalist Teacher Prep or Creating Successful Classrooms 48 hours, $526

Field Experience & Mentor Fee 30 hours, $500

Linked with a credit course. See page 5 for requirements.
Clinical Teaching
ATCPC 7000026  62 Contact Hours  $1018
The Clinical Teaching course prepares a candidate in the Alternative Teacher Certification Program to be recommended for Texas standard teacher certification. The course provides candidates with preparation training and field-based classroom experience at the appropriate grade level and content area. Clinical teachers work with a mentor teacher in a K-12 school for a minimum of 12 weeks, while under the supervision of the program. With the completion of Clinical Teaching and the 300+ hours of coursework and training per the Texas Education Agency, the candidate will be recommended for a Standard Certification. Total 62 Contact Hours (Pre-Service 24 hours) (online 24 hours) (Post-Service 14 hours).
LSC-Kingwood
3735  ATCPC  7000026  2001  W  8/24-12/8
   Instruction Type: Online.

Components of Special Education
ATCPC 7000027  48 Contact Hours  $526
An introduction to Special Education, emphasizing proven practices, making accommodations and delivery of individualized instruction tailored to the specific needs of individual students with disabilities. Students will also develop awareness, sensitivity, knowledge, skills and competence necessary to become a special educator. This course is required to meet the 300+ hours of coursework and training to be in compliance with the Texas Education Agency to be recommended for a Standard Certification.
LSC-CyFair
4568  ATCPC  7000027  5001  M  8/22-11/14
   Instruction Type: Online.

Creating Successful Classrooms
ATCPC 7000081  48 Contact Hours  $526
This course will address components of successful classroom management and effective instructional methods. Students will learn strategies to create an effective and positive learning environment for all students. This course is required to meet the 300+ hours of coursework and training to be in compliance with the Texas Education Agency to be recommended for a Standard Certification.
LSC-North Harris
4028  ATCPC  7000081  1001  M  9/12-12/12
   Instruction Type: Online.

Generalist Teacher Preparation
ATCPC 7000086  48 Contact Hours  $526
The Generalist course prepares individuals to teach in early childhood through grade 8 classrooms in Texas. The course addresses the standards and competencies needed to pass the TExES EC-6 and/or 4-8 Generalist examinations, and provides students with the knowledge and skills associated with elementary curricular content and appropriate learning and assessment practices. This course is required to meet the 300+ hours of coursework and training to be in compliance with the Texas Education Agency to be recommended for a Standard Certification.
LSC-CyFair
4582  ATCPC  7000086  5001  M  9/12/12
   Instruction Type: Online.

Integrating Technology
ATCPC 7009301  12 Contact Hours  $132
Students will learn to use technology to design effective instruction and to analyze data to evaluate and improve instruction.
LSC-Kingwood
3747  ATCPC  7009301  2001  Sa  9/10  8:30 am-4:00 pm
   Instruction Type: Hybrid, Internet.

Pedagogy and Professional Responsibilities (PPR)
ATCPC 7000062  108 Contact Hours  $856
Students will learn to design developmentally appropriate classroom instruction and assessment; create a positive, productive learning environment; manage a classroom in a way that encourages cooperation and self-discipline; and apply technology applications as part of the instructional process. This course requires 30 hours of external field-based experience in K-12 schools. This course is required to meet the 300+ hours of coursework and training to be in compliance with the Texas Education Agency to be recommended for a Standard Certification.
LSC-CyFair
4570  ATCPC  7000062  5001  M  8/22-12/12
   Instruction Type: Online.

LSC-Kingwood
3738  ATCPC  7000062  2001  W  8/31-12/7  6:00 pm-9:00 pm
   Instruction Type: Hybrid, Internet.

LSC-North Harris
4027  ATCPC  7000062  1001  Th  10/18-12/8  6:00 pm-9:00 pm
   Instruction Type: Hybrid, Internet.
Substitute Teacher Training  
EDTCC  2100201  12 Contact Hours  $132  
An exploration of the role of the substitute, identification of student needs, behavior modification and classroom management, teaching methodologies, school personnel relationships, mandated state standards, and growth and development of students. NOTE: Before registering for this class, please check with your local school district to find out the requirements for working as a substitute teacher in that district. Some districts require a minimum number of college credit hours. This course may be used to complete the Substitute Teaching Certification along with taking the Tools for Teaching class. Book required.

LSC-CyFair  
4607  EDTCC  2100201  M001  Sa   9/10-9/17  8:30 am-3:30 pm

LSC-Greenspoint Center  
4046  EDTCC  2100201  G001  ThF  11/10-11/11  8:30 am-3:30 pm

LSC-Kingwood  
3767  EDTCC  2100201  2001  W   10/5-10/26  6:00 pm-9:00 pm

TCP Internship I  
ATCPC  7000065  32 Contact Hours  $1018  
This course is designed for post-baccalaureate individuals who have been accepted into the Alternative Teacher Certification Program with the Lone Star College System and have been hired as the teacher of record by a school accredited through the Texas Education Agency. The intern will learn the fundamentals of providing feedback to students, as well as understanding instructional strategies that support a well-managed classroom. The intern will learn experimentally in the classroom and will be supported and coached by a supervisor assigned by the college. The course is designed to demonstrate learner-centered instruction regardless of individual differences among students. This course is required to meet the 300+ hours of coursework and training to be in compliance with the Texas Education Agency to be recommended for a Standard Certification.

LSC-CyFair  
4578  ATCPC  7000065  5001  M   8/22-12/12  Instruction Type: Online.

LSC-Greenspoint Center  
4039  ATCPC  7200013  1001  Sa   10/15-10/22  8:30 am-3:30 pm

LSC-Montgomery  
4022  ATCPC  7200013  4001  Sa   9/10-9/17  8:30 am-3:30 pm

LSC-North Harris  
4044  ATCPC  7200021  6002  Sa   10/15-10/22  8:30 am-4:00 pm

TExES ESL/Bilingual Review Session  
ATCPC  7200013  12 Contact Hours  $132  
Preparation of teachers to test for the supplemental exam in English As a Second Language or Bilingual Supplemental. Teachers will learn competencies required by the State of Texas for the certifications and review for the State TExES exam.

LSC-CyFair  
4600  ATCPC  7200013  4001  M   9/17  8:30 am-4:00 pm

LSC-Greenspoint Center  
4040  ATCPC  7200021  G001  Sa   9/17  8:30 am-4:00 pm

LSC-Kingwood  
3754  ATCPC  7200014  2001  Sa   9/17  8:30 am-4:00 pm

TExES Review: Generalist 4-8  
ATCPC  7200021  7 Contact Hours  $105.50  
The TExES review course is an overview of the standards and competencies needed to pass the TExES examination. The course provides students with preparation training at the appropriate grade and content levels.

LSC-Greenspoint Center  
4044  ATCPC  7200021  6002  Sa   10/15-10/22  8:30 am-4:00 pm

TExES Review: Generalist EC-6  
ATCPC  7200014  7 Contact Hours  $105.50  
The TExES review course is an overview of the standards and competencies needed to pass the TExES examination. The course provides students with preparation training at the appropriate grade and content levels.
TExES Review: Math
ATCPC 7200016 7 Contact Hours $105.50
The TExES review course is an overview of the standards and competencies needed to pass the TExES examination. The course provides students with preparation training at the appropriate grade and content levels.
LSC-Kingwood
3756 ATCPC 7200016 2001 Sa 9/17 8:30 am-4:00 pm
3758 ATCPC 7200016 2002 Sa 10/15 8:30 am-4:00 pm

TExES Review: PPR EC-12
ATCPC 7200018 7 Contact Hours $105.50
The TExES review course is an overview of the standards and competencies needed to pass the TExES examination. The course provides students with preparation training at the appropriate grade and content levels. This course is required to meet the 300+ hours of coursework and training to be in compliance with the Texas Education Agency to be recommended for a Standard Certification.
LSC-Kingwood
3762 ATCPC 7200018 2001 Sa 12/3 8:30 am-4:00 pm
LSC-Montgomery
4023 ATCPC 7200018 4001 W 9/7-9/14 Instruction Type: Online.

Tools for Teaching Module
ATCPC 7200009 14 Contact Hours $150
The Tools for Teaching module will address specific strategies on how to deal with disruptive classroom behavior. The design and strategies in the module were developed by Dr. Fred Jones. The tools presented prepare teachers for designing their classroom to minimize discipline problems and maximize instruction. These tools will help promote confidence and effective teaching. This course may be used to complete the Substitute Teaching Certification alone with taking the Substitute Teacher Training.
LSC-Fairbanks Center
4587 ATCPC 7200009 F001 T 9/6-9/27 6:00 pm-9:30 pm
LSC-Greenspoint Center
4038 ATCPC 7200009 G001 M-W 11/7-11/9 8:30 am-2:30 pm
LSC-Kingwood
3752 ATCPC 7200009 2001 M 10/3-10/24 6:00 pm-9:30 pm

Child Development Associate
CDECC 2101602 120 Contact Hours $701
Provides a variety of experiences that can build the practical skills needed to successfully become a Child Development Associate. Based on the eight-module curriculum developed by the Council for Early Childhood Professional Recognition. A study of the principles of normal child growth and development from conception to adolescence focusing on physical, cognitive, social, and emotional domains of development will be taught. Participants must complete 120 hours of formal child care education in eight subject areas mandated by the Council in one semester. The additionally required 480 hours (12 weeks) of experience in a licensed day care facility with observation labs can be completed during the semester or within a five year period. An additional $325 application fee must be paid to the Council for Early Childhood Professional Recognition when submitting an application to take the final assessment from them. TPEG funds available.
LSC-Kingwood
3769 CDECC 2101602 2001 TTh 8/23-12/15 6:00 pm-8:30 pm Instruction Type: Hybrid, Internet.

Teacher Certification
Alternative Teacher Certification Programs
Thinking about a career change? Already have a degree?
If you have at least a bachelor’s degree, complete your Texas K-12 teacher certification with our Alternative Teacher Certification Programs at Lone Star College.
Training is offered in flexible formats including online, hybrid, and on campus classes. Internship, clinical teacher practicum, and field-based experiences are completed in local K-12 schools.
LoneStar.edu/CTE-education
Overview

Many industries need skilled workers who can transform and assemble materials into products. Lone Star College Energy & Manufacturing Institute is an industry specific training hub for businesses with employees currently working or seeking a career in the oil and gas, alternative energy, or mechanized (automated) production industries.

Programs

**Industrial Maintenance Assistant**  
144 hours, $1,938  
Industrial Maintenance, Introduction  
96 hours, $1,281  
Basic Mechanical Skills for Energy  
48 hours, $657

**Machinist (NIMS)**  
208 hours, $2,896  
Machine Shop, Basic  
80 hours, $1,142  
Blueprint Reading and Sketching  
48 hours, $657  
Machine Shop Mathematics  
64 hours, $865  
Work Skills for the Workplace  
16 hours, $232

**Machine Tool (CNC) Operator (NIMS)**  
384 hours, $5,283  
Prerequisite: Machinist Certificate  
208 hours, $2,896  
CNC Machine Controls, Fundamentals  
48 hours, $657  
Operation of CNC Turning Centers  
64 hours, $865  
Operation of CNC Machining Centers  
64 hours, $865

Linked with a credit course. See page 5 for requirements.

**Machinist Pre-Apprentice Certificate** 592 hours, $8,179  
Machinist Certificate  
208 hours, $2,896  
Machine Tool (CNC) Operator  
384 hours, $5,283

**Mechatronics**  
Pre-Apprentice  
320 hours, $TBD

**Floor-hand/Roustabout Certificate** 296 hours, $4,064  
IADC® Gateway  
Introduction to Oil and Gas  
24 hours, $336  
Introduction to Industrial Maintenance  
96 hours, $1,281  
Basic Mechanical Skills for Energy  
48 hours, $657  
Work Skills for the Workplace  
16 hours, $232  
Drilling (Rig Floor Core Skills)  
80 hours, $1,073  
IADC RIG PASS®  
8 hours, $149  
IADC WellSharp®  
24 hours, $336

**Welder (SMAW & GMAW) Certificate** 240 hours, $3,738  
Blueprint Reading for Welding  
32 hours, $440  
Math for Welding  
32 hours, $440  
Work Skills for the Workplace  
16 hours, $232  
Shielded Metal Arc Welding (SMAW)  
80 hours, $1,313  
Gas Metal Arc Welding (GMAW)  
80 hours, $1,313

**Gas Tungsten Welder (GTAW) Certificate** 80 hours, $1,313  
Gas Tungsten Arc Welding (GTAW)

**Pipe Welder Certificate** 80 hours, $1,313  
Shielded Metal Arc Pipe

**Welding Pre-Apprentice Certificate (AWS)** 400 hours, $6,364  
Blueprint Reading for Welding  
32 hours, $440  
Math for Welders  
32 hours, $440  
Work Skills for the Workplace  
16 hours, $232  
Shielded Metal Arc Welding (SMAW)  
80 hours, $1,313  
Gas Metal Arc Welding (GMAW)  
80 hours, $1,313  
Gas Tungsten Arc Welding (GTAW)  
80 hours, $1,313  
Shielded Metal Arc Pipe  
80 hours, $1,313
AutoCAD, Introduction
DFTGC 2101401 32 Contact Hours $440
Topics include CAD equipment selection and interface; software selection and installation; creating, editing and plotting of line drawings for architectural, electrical, circuit, mechanical, or interior design; create/modify graphic elements, storing and retrieving predefined components; and adding text and dimensions.

LSC-Conroe Center
4043 DFTGC 2101401 C001 MW 8/229/15 6:00 pm-10:00 pm CC 215
Closed 9/5/2016.

LSC-CyFair
17546 DFTGC 2101401 5002 MW 8/229/19 6:00 pm-10:00 pm CASA 219
Department consent required. Contact the CTE office at a LSC campus to register.

17547 DFTGC 2101401 5003 Th 8/239/15 6:00 pm-10:00 pm CASA 219
Department consent required. Contact the CTE office at a LSC campus to register.

17544 DFTGC 2101401 5001 MTh 8/27-10/1
Mandatory orientation. For information email Randel.H.Dobson@LoneStar.edu.
Department consent required. Contact the CTE office at a LSC campus to register.
Instruction Type: Online.

LSC-Kingwood
17545 DFTGC 2101401 2001 M 9/121/21 6:30 pm-9:30 pm CLA 106
Class dismisses one hour early during one session.

LSC-Montgomery
4042 DFTGC 2101401 4001 MW 9/7-10/3 6:00 pm-10:00 pm MCE E203
Closed 9/5/2016.

LSC-North Harris
2669 DFTGC 2101401 1001 MW 9/12-10/5 6:00 pm-10:00 pm DTEC 103

LSC-University Park
6991 DFTGC 2101401 6001 TTh 9/6-9/29 UPEMI 143

AutoCAD, Intermediate
DFTGC 1105000 32 Contact Hours $440
Topics include applications; creating, sorting, and retrieving predefined components; placing, rotating, and scaling components; modifying; rubber banding; adding text and dimensions to drawings; multilayering drawings, grids, orthogonal mode; data storage format for writing auxiliary programs; input and output devices; resolution and physical limitations. Textbook required.

LSC-Conroe Center
4050 DFTGC 1105000 C001 MW 9/2610/19 6:00 pm-10:00 pm CC 215
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-CyFair
4727 DFTGC 1105000 5003 TTh 9/20-10/13 6:00 pm-10:00 pm
4726 DFTGC 1105000 5002 MW 9/26-10/19 6:00 pm-10:00 pm
4725 DFTGC 1105000 5001 Sa 10/8-11/12
Instruction Type: Online.

LSC-Kingwood
5785 DFTGC 1105000 2001 TTh 8/23-9/27 6:30 pm-9:30 pm CLA 106
Class dismisses one hour early during one session.

5786 DFTGC 1105000 2002 Sa 10/15-12/10 8:30 am-12:30 pm CLA 106

LSC-Montgomery
4048 DFTGC 1105000 4001 MW 10/10-11/2 6:00 pm-10:00 pm MCE E203
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris
2671 DFTGC 1105000 1001 MW 10/10-11/2 6:00 pm-10:00 pm DTEC 103

LSC-University Park
17585 DFTGC 1105000 6001 TTh 10/11-11/3 6:00 pm-10:00 pm UPEMI 143

AutoCAD, Advanced
DFTGC 1200400 32 Contact Hours $440
Two- and three-dimensional drawings using three-dimensional display options and specifying user-defined coordinate systems. Prerequisites: AutoCAD, Intermediate. Textbook required.

LSC-Conroe Center
4057 DFTGC 1200400 C001 MW 10/31-11/28 6:00 pm-10:00 pm CC 215
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-CyFair
4730 DFTGC 1200400 5003 TTh 10/18-11/10 6:00 pm-10:00 pm
4729 DFTGC 1200400 5002 MW 10/24-11/16 6:00 pm-10:00 pm
4728 DFTGC 1200400 5001 Sa 11/19-12/24
Instruction Type: Online.

LSC-Kingwood
5788 DFTGC 1200400 2001 TTh 10/4-11/8 6:30 pm-9:30 pm CLA 106
Class dismisses one hour early during one session.

LSC-Montgomery
4055 DFTGC 1200400 4001 MW 11/14-12/12 6:00 pm-10:00 pm MCE E203
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris
2683 DFTGC 1200400 1001 MW 11/7-12/5 6:00 pm-10:00 pm DTEC 103

LSC-University Park
17586 DFTGC 1200400 6001 TTh 11/15-12/13 6:00 pm-10:00 pm UPEMI 143

Commercial Wiring
ELPTC 2104501 80 Contact Hours $255
Commercial wiring methods. Includes overcurrent protection, raceway panel board installation, proper grounding techniques, and associated safety procedures. Participants must have high school diploma, successful completion of the GED or be in the early admissions program. This course is linked to ELPT 1345. Prerequisite: ELPT 1325.

LSC-Creekside Center
13644 ELPTC 2104501 K001 TTh 10/24-12/18 8:30 am-5:10 pm CS 114
Lab ELPTC 2104501 K002 TTh 10/24-12/18 8:20 pm-10:50 pm CS 114
For more information contact Antonius.L.Bom@LoneStar.edu.

DC-AC Circuits
 CETTC 2100901 96 Contact Hours $324
Fundamentals of DC circuits and AC circuits operation including Ohm’s law, Kirchhoff’s laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. This course is linked to CETT 1409.

LSC-North Harris
15486 CETTC 2100901 1001 M-Th 10/24-12/18 8:00 am-10:50 am APTC 107
Students must purchase a blue, short sleeve Applied Technology uniform shirt.
Department consent required. Contact the CTE office at a LSC campus to register.
**Electrical Calculations I**

ELPTC 2101501  48 Contact Hours  $282
Introduction to mathematical applications utilized to solve problems in the electrical field. Topics include fractions, decimals, percentages, simple equations, ratio and proportion, unit conversions, and applied geometry. This course is linked to ELPT 1315.

LSC-Creekside Center
13622 ELPTC 2101501 K001  10/24-12/18
For more information contact Antonius.L.Bom@LoneStar.edu

**Electrical Safety and Tools, Introduction**

ELPTC 2102101  64 Contact Hours  $237
Safety rules and regulations. Includes the selection, inspection, use, and maintenance of common tools for electricians. This course is linked to ELPT 1321.

LSC-Creekside Center
13625 ELPTC 2102101 K001  TTh 8/29-10/23  6:30 pm-9:00 pm  CS 1028
Lab ELPTC 2102101 K002  TTh 8/29-10/23  9:10 pm-10:00 pm  CS 1028
For more information contact Antonius.L.Bom@LoneStar.edu

**Electrical Systems Design**

ELPTC 2204301  80 Contact Hours  $198
Electrical design of commercial and/or industrial projects including building layout, types of equipment, placement, sizing of electrical equipment, and all electrical calculations according to the requirements of the National Electrical Code (NEC). This course is linked to ELPT 2343.

LSC-Creekside Center
14021 ELPTC 2204301 K001  MW 10/24-12/18  6:30 pm-8:10 pm  CS 1028
Lab ELPTC 2204301 K002  MW 10/24-12/18  8:20 pm-10:50 pm  CS 1028
For more information contact Antonius.L.Bom@LoneStar.edu

**Electrical Theory, Basic**

ELPTC 2101101  64 Contact Hours  $249
A comprehensive overview of safety rules and regulations and the selection, inspection, use and maintenance of common tools for electricians. This course is linked to ELPT 1321.

LSC-Creekside Center
13606 ELPTC 2101101 K001  MW 8/29-10/23  6:30 pm-9:00 pm  CS 1028
Lab ELPTC 2101101 K002  MW 8/29-10/23  9:10 pm-10:00 pm  CS 1028
For more information contact Antonius.L.Bom@LoneStar.edu

LSC-Creekside Center
13613 ELPTC 2101101 K003  TTh 10/24-12/18  1:30 pm-4:00 pm  CS 114
Lab ELPTC 2101101 K004  TTh 10/24-12/18  4:10 pm-5:00 pm  CS 114
For more information contact Antonius.L.Bom@LoneStar.edu

**Hydraulics and Pneumatics**

HYDRC 2104504  80 Contact Hours  $237
Fundamentals of hydraulics and types of hydraulic pumps, cylinders, valves, motors, and related systems including operations, maintenance, and system analysis. This course is linked to HYDR 1345.

LSC-University Park
16218 HYDRC 2104504 6201  MW 8/29-12/18  6:00 pm-8:20 pm  UP-EMI 140

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**IADC RigPass® for Industry**

PTRTC 1202502  8 Contact Hours  $228
Various hazards associated with the petroleum industry.

**LSC-University Park**

5047 PTRTC 1202502 6001  M 8/12  8:00 am-5:00 pm  UP-EMI 214
5053 PTRTC 1202502 6002  F 9/16  8:00 am-5:00 pm  UP-EMI 214
5059 PTRTC 1202502 6003  F 10/21  8:00 am-5:00 pm  UP-EMI 214
5068 PTRTC 1202502 6004  F 11/18  8:00 am-5:00 pm  UP-EMI 214
5074 PTRTC 1202502 6005  F 12/9  8:00 am-5:00 pm  UP-EMI 214

**Mechanical Skills, Basic**

ENERC 1103001  48 Contact Hours  $657
Basic mechanical skills using hand and power tools in an industrial environment. Topics include tool use and maintenance, lubrication, measuring, threads and fasteners, bench works, basic mechanical drawings, and basic shop calculations (English and metric). Also addresses rigging procedures to include chain falls, jacks, cable, fulcrum, port-a-power, and come-alongs.

**LSC-University Park**

4944 ENERC 1103001 6001  M-Th 9/19-9/27  8:00 am-5:00 pm  UP-EMI 112
4991 ENERC 1103001 6002  M-Th 10/17-10/25  8:00 am-5:00 pm  UP-EMI 112

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For more information contact LSCCE@LoneStar.edu

Questions? Email LSCCE@LoneStar.edu

Register for classes online at LoneStar.edu/CTE
National Electrical Code I
ELPTC 2102501 48 Contact Hours $237
An introductory study of the National Electric Code (NEC) for those employed in fields requiring knowledge of the Code. Emphasis on wiring protection, methods, and materials; equipment for general use; and basic calculations. This course is linked to ELPT 1325.
LSC-Creekside Center
13631 ELPTC 2102501 K001 10/24/12/18
For more information contact Antonius.L.Bom@LoneStar.edu. Instruction Type: Online.

National Electrical Code II
ELPTC 2202502 48 Contact Hours $237
In-depth coverage of the National Electrical Code (NEC) for those employed in fields requiring knowledge of the Code. Emphasis on wiring protection and methods, special conditions, and advanced calculations. This course is linked to ELPT 2325. Prerequisite National Electrical Code I, ELPTC 2102501 or ELPT 1325.
LSC-Creekside Center
13634 ELPTC 2202502 K001 8/29/10/23
For more information contact Antonius.L.Bom@LoneStar.edu. Instruction Type: Online.

Residential Wiring
ELPTC 2102903 80 Contact Hours $265
Wiring methods for single family and multi-family dwellings. Includes load calculations, service entrance sizing, proper grounding techniques, and associated safety procedures. This course is linked to ELPT 1329. Prerequisites: Completion of ELPT 1325.
LSC-Creekside Center
13638 ELPTC 2102903 K001 TTh 8/29/10/23 1:30 pm-3:10 pm CS 114
Lab ELPTC 2102903 K002 TTh 8/29/10/23 3:20 pm-5:50 pm CS 114
For more information contact Antonius.L.Bom@LoneStar.edu.

Solar Photovoltaic Systems Design
ELMTC 2100201 64 Contact Hours $237
Design and installation of solar photovoltaic systems (panels) and their applications. This course is linked to ELMT 1302.
LSC-Creekside Center
14008 ELMTC 2100201 K001 MW 10/24/12/18 1:30 pm-3:10 pm CS 114
Lab ELMTC 2100201 K002 MW 10/24/12/18 3:20 pm-4:40 pm CS 114
For more information contact Antonius.L.Bom@LoneStar.edu.

SolidWorks I
DFTGC 2109120 30 Contact Hours $414
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Addresses training in the design software SolidWorks.
LSC-CyFair
17552 DFTGC 2109120 5001 MW 9/12/10/12 6:00 pm-9:00 pm CASA 219
Department consent required. Contact the CTE office at a LSC campus to register.

SolidWorks II
DFTGC 1109101 30 Contact Hours $414
This course was designed to be repeated multiple times to improve student proficiency. This course addresses training in a more advanced level of the design software SolidWorks. Textbook required.
LSC-CyFair
4733 DFTGC 1109101 5001 MW 10/17/11/16 6:00 pm-9:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

Basic Machine Shop I
MCHNC 1103801 80 Contact Hours $1142
An introductory course that assists the student in understanding the machinist occupation in industry. The student begins by using basic machine tools such as the lathe, milling machine, drill press, power saw, and bench grinder. Machine terminology, theory, math, part layout, and bench work using common measuring tools is included. Emphasis is placed on shop safety, housekeeping, and preventative maintenance.
LSC-University Park
4666 MCHNC 1103801 6002 MW 10/5/10/26 6:00 pm-9:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
11354 MCHNC 1103801 6002 M-Th 10/18/11/21 6:00 pm-10:00 pm

Blueprint Reading & Sketching
DFTGC 1102500 48 Contact Hours $657
An introduction to reading and interpreting working drawings for fabrication processes and associated trades. Use of sketching techniques to create pictorial and multiple-view drawings.
LSC-University Park
11324 DFTGC 1102500 6003 M-Th 8/22/10/3 8:00 pm-10:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
4664 DFTGC 1102500 6001 M-Th 8/29/9/26 12:30 pm-3:30 pm

For more information contact Antonius.L.Bom@LoneStar.edu. Instruction Type: Online.
CNC Machine Controls, Fundamentals
MCHNC 1200300 48 Contact Hours $657
An introduction to G and M codes (RS274-D) necessary to program Computer Numerical Controlled (CNC) machines. Emphasis is placed on lathe and mill programming techniques and structures, CNC controller types and overall machine operation.

LSC-Conroe Center
4556 MCHNC 1200300 CO01 Sa 10/15-12/10 8:00 am-5:00 pm CC 302A
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-University Park
4669 MCHNC 1200300 6003 M-Th 8/24/14 6:00 pm-10:00 pm UPEM 110
Department consent required. Contact the CTE office at a LSC campus to register.
4653 MCHNC 1200300 6001 M-Th 8/30/13 9:00 am-10:20 am UPEM 110
Department consent required. Contact the CTE office at a LSC campus to register.
4667 MCHNC 1200300 6002 M-Th 10/27-11/9 9:00 am-3:30 pm UPEM 110
Department consent required. Contact the CTE office at a LSC campus to register.
11363 MCHNC 1200300 6004 M-Th 11/28-12/14 6:00 pm-10:00 pm UPEM 110

Machine Shop Mathematics
MCHNC 1104306 64 Contact Hours $865
Designed to prepare the student with technical, applied mathematics necessary in future machine shop-related courses. This course is a component of the preparation for the Machinist Workforce Certificate as well as a component of the Master Machinist Certificate. This course is a component of the preparation for the national accredited NIMS Exam for Machinist.

LSC-University Park
11318 MCHNC 1104306 6003 M-Th 8/22-10/17 6:00 pm-8:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
4661 MCHNC 1104306 6001 M-Th 8/29-10/4 9:00 am-12:00 pm UPEM 144
4751 MCHNC 1104306 6002 F 9/9-11/4 6:00 pm-10:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
4751 MCHNC 1104306 6002 Sa 9/10-10/29 8:00 am-11:00 am
Department consent required. Contact the CTE office at a LSC campus to register.

Operation of CNC Machining Centers
MCHNC 1203400 64 Contact Hours $865

LSC-University Park
4658 MCHNC 1203400 6001 M-Th 10/4-10/20 9:00 am-3:30 pm UPEM 110
4671 MCHNC 1203400 6002 M-Th 10/13-11/9 6:00 pm-10:00 pm UPEM 220

Operation of CNC Turning Centers
MCHNC 1203100 64 Contact Hours $865

LSC-University Park
4665 MCHNC 1203100 6001 M-Th 9/14-10/3 9:00 am-3:30 pm UPEM 110
4670 MCHNC 1203100 6003 M-Th 9/15-10/12 6:00 pm-7:20 pm UPEM 110
4668 MCHNC 1203100 6002 M-Th 11/10-12/5 9:00 am-3:30 pm UPEM 110

Print Reading For Machining Trades
MCHNC 2100202 64 Contact Hours $225
A study of blueprints for machining trades with emphasis on machine drawings. This course is linked to MCHN 1302.

LSC-Victory Center
16767 MCHNC 2100202 V001 MW 8/29-10/23 1:00 pm-4:50 pm
Department consent required. Contact the CTE office at a LSC campus to register.
16773 MCHNC 2100202 V003 MW 8/29-10/23 5:00 pm-8:50 pm
Department consent required. Contact the CTE office at a LSC campus to register.

Oil & Gas Drilling

Basic Principles of Oil & Gas for Industry
PRRTC 1109107 24 Contact Hours $336
Various aspects of petroleum processes such as gas production, petrochemical, refining, and operations.

LSC-University Park
17211 PRRTC 1109107 6001 Th 8/29-10/23 9:00 am-5:00 pm UPEM 214
17216 PRRTC 1109107 6002 Th 10/10-10/13 8:00 am-5:00 pm UPEM 214
17227 PRRTC 1109107 6003 Th 11/8-11/10 8:00 am-5:00 pm UPEM 214

Drilling/Rig Floor Core Skills
PRRTC 1100301 80 Contact Hours $1073
A study of practices and procedures drilling operations. Rig equipment, casing design, fishing, and proper procedures to successfully drill a well are discussed.

LSC-University Park
4947 PRRTC 1100301 6001 M-Th 9/8-10/16 8:00 am-5:00 pm UPEM 112
17280 PRRTC 1100301 6002 M-Th 10/10-11/14 8:00 am-5:00 pm UPEM 112

Work Skills for the Workplace
BUSGC 1101200 16 Contact Hours $232
Develop entry-level skills for the workforce. Includes professionalism, interpersonal skills, communication, workplace civility, and employability (resume/interview) skills.

LSC-Conroe Center
1210 BUSGC 1101200 001 F 11/4-11/11 8:00 am-5:00 pm CC 215

LSC-University Park
4665 BUSGC 1101200 6001 M-Th 9/27-10/17 12:30 pm-4:00 pm UPEM 214
Department consent required. Contact the CTE office at a LSC campus to register.
11332 BUSGC 1101200 6004 TW 10/4-10/17 8:00 am-10:00 pm UPEM 214
4948 BUSGC 1101200 6002 M-Th 10/17-11/18 8:00 am-5:00 pm UPEM 214
4993 BUSGC 1101200 6003 M-Th 11/15-11/16 8:00 am-5:00 pm UPEM 214
IADC RigPass® Petroleum Safety and Environmental Hazards

PTRTC 1202500 8 Contact Hours $149

Various hazards associated with the petroleum industry.

LSC-University Park

4949 PTRTC 1202500 6001 M-Th 8:00 am-5:00 pm UP-EMI 214
4950 PTRTC 1202500 6002 W 10/19 8:00 am-5:00 pm UP-EMI 214
4994 PTRTC 1202500 6003 Th 11/17 8:00 am-5:00 pm UP-EMI 214

IADC WellSharp®

PTRTC 1109105 24 Contact Hours $336

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.

LSC-University Park

5076 PTRTC 1109105 6003 MTh 8/15-8/16 8:00 am-5:00 pm UP-EMI 214
5078 PTRTC 1109105 6004 MTh 9/19-9/20 8:00 am-5:00 pm UP-EMI 214
4951 PTRTC 1109105 6001 MTh 10/20-10/25 8:00 am-5:00 pm UP-EMI 214
4995 PTRTC 1109105 6002 TTh 11/18-11/19 8:00 am-5:00 pm UP-EMI 214
5079 PTRTC 1109105 6005 MTh 11/21-11/22 8:00 am-5:00 pm UP-EMI 214
5081 PTRTC 1109105 6006 MTh 12/12-12/13 8:00 am-5:00 pm UP-EMI 214

Industrial Maintenance, Introduction

INMTC 1100501 96 Contact Hours $1281

Basic mechanical skills and repair techniques common to most fields of industrial maintenance. Topics include precision measuring instruments and general safety rules common in industry, including lock-out/tag-out.

LSC-University Park

4942 INMTC 1100501 6001 M-Th 8/25-9/15 8:00 am-5:00 pm UP-EMI 111
4954 INMTC 1100501 6002 M-Th 9/26-10/13 8:00 am-5:00 pm UP-EMI 111

Mechanical Skills, Basic

ENERC 1103001 48 Contact Hours $657

Basic mechanical skills using hand and power tools in an industrial environment. Topics include tool use and maintenance, lubrication, measuring, threading, fasteners, bench works, basic mechanical drawings, and basic shop calculations (English and metric). Also addresses rigging procedures to include chain falls, jacks, cable, fulcrum, port-a-power, and come-alongs.

LSC-University Park

4944 ENERC 1103001 6001 M-Th 9/19-9/27 8:00 am-5:00 pm UP-EMI 112
4991 ENERC 1103001 6002 M-Th 10/17-10/25 8:00 am-5:00 pm UP-EMI 112

Oil and Gas, Introduction

PTRTC 1109110 24 Contact Hours $336

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Course to include various aspects of petroleum processes such as gas production, petrochemical, refining, and operations. Offsite tour to be completed as part of course.

LSC-University Park

4940 PTRTC 1109110 6001 M-Th 8/22/24 8:00 am-5:00 pm UP-EMI 214
4958 PTRTC 1109110 6002 M-W 9/19-9/21 8:00 am-5:00 pm UP-EMI 214

Welding

Blueprint Reading for Welders

DFTGC 2102301 32 Contact Hours $440

Symbols/graphic language required in the interpretation of working drawings for specific occupations. Reading and interpreting blueprints including information on computer-aided design and computer numerical control. Students will develop the skills needed to interpret all types of working sketches and prints, from the simplest to the most complex, through step-by-step instructions. Both AWS and ISO welding symbols are covered, as well as auxiliary views, detail views, projections, sections, and detail and assembly drawings. Other topics covered include pipe welding symbols, metric and dual dimensioning, bills of materials, ISO for welding, and first and third angle orthographic projection. This course is designed as a component to prepare the student take the American Welding Society Certification Exam.

LSC-Conroe Center

2100401 1109110 6001 TTh 10/4-11/29 6:00 pm-8:00 pm CC 215
Closed 11/24/2016.

LSC-North Harris

5906 DFTGC 2102301 1001 TTh 9/27-11/17 10:00 am-12:00 pm

Fundamentals of Oxy-Fuel Welding/Cutting NCCER

WLDGC 2100401 40 Contact Hours $553

Oxy-fuel welding and cutting equipment. Includes equipment safety, setup, and maintenance. An introduction to oxy-fuel cutting, plasma cutting, carbon arc cutting and various joint designs. Fundamentals of thermal cutting. Includes equipment safety, setup, and maintenance.

LSC-North Harris

15134 WLDGC 2100401 1002 10-11 9/22 12:30 pm-3:30 pm
15134 WLDGC 2100401 1003 M-Th 9/26-10/3 7:30 am-3:30 pm
10034 WLDGC 2100401 1002 T 10/4 10:00 am-3:30 pm
10034 WLDGC 2100401 1002 M-Th 10/5-10/13 7:30 am-3:30 pm
10034 WLDGC 2100401 1002 M 10/17 7:30 am-10:30 am
Gas Metal Arc Welding (GMAW)
WLDGC 2103004 80 Contact Hours $1313
Principles of gas metal arc welding, setup and use of Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) equipment, and safe use of tools/equipment. Instruction in various joint designs. This course covers manipulative skills in welding techniques, applications, and theory. Knowledge and skills in Gas Metal Arc Welding and Flux Cored Arc Welding using mild steel; perform fillet welds in the flat, horizontal, vertical, and overhead positions. Students work independently in the welding booth under the guidance of an instructor to meet and/or exceed the competencies.

LSC-Conroe Center
1408 WLDGC 2103004 C001 M-Th 9/26-10/27 11:00 am-3:00 pm CC 300A
Department consent required. Contact the CTE office at a LSC campus to register.
1410 WLDGC 2103004 C003 Sa 10/1-12/17 8:00 am-5:00 pm CC 300A
Department consent required. Contact the CTE office at a LSC campus to register.
Closed 11/26/16.
1408 WLDGC 2103004 C002 M-Th 10/31-12/6 11:00 am-3:00 pm CC 300A
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Victory Center
2223 WLDGC 2103004 V001 MW 9/26-12/2 8:00 am-9:00 am VC 111
Department consent required. Contact the CTE office at a LSC campus to register.
2223 WLDGC 2103004 V001 MW 9/26-12/2 9:00 am-12:00 pm VC 111
Department consent required. Contact the CTE office at a LSC campus to register.
2228 WLDGC 2103004 V002 MW 9/26-12/2 5.00 pm-6:00 pm VC 111
Department consent required. Contact the CTE office at a LSC campus to register.
2228 WLDGC 2103004 V002 MW 9/26-12/2 6:00 pm-9:00 pm VC 111
Department consent required. Contact the CTE office at a LSC campus to register.
2229 WLDGC 2103004 V003 MW 12/3-1 8:00 am-9:00 am VC 111
Department consent required. Contact the CTE office at a LSC campus to register.
2229 WLDGC 2103004 V003 MW 12/3-1 9:00 am-12:00 pm VC 111
Department consent required. Contact the CTE office at a LSC campus to register.
2240 WLDGC 2103004 V004 MW 12/3-1 5:00 pm-6:00 pm VC 111
Department consent required. Contact the CTE office at a LSC campus to register.
2240 WLDGC 2103004 V004 MW 12/3-1 6:00 pm-9:00 pm VC 111
Department consent required. Contact the CTE office at a LSC campus to register.

Gas Tungsten Arc Welding (GTAW)
WLDGC 2103404 80 Contact Hours $1313
Principles of gas tungsten arc welding (GTAW), including setup, GTAW equipment. Instruction in various positions and joint designs. This course covers advanced principles of welding with emphasis on special processes and special needs of students. The course is designed to familiarize students with the complexities of using the GTAW process. Each student will learn about different electrodes and the applications using various techniques to become knowledgeable in the welding process. Student purchases personal tools, supplies and workbook.

LSC-Conroe Center
1411 WLDGC 2103404 C001 M-Th 9/26-10/27 11:00 am-3:00 pm CC 300A
Department consent required. Contact the CTE office at a LSC campus to register.
1413 WLDGC 2103404 C003 Sa 10/1-12/17 8:00 am-5:00 pm CC 300A
Department consent required. Contact the CTE office at a LSC campus to register.
Closed 11/26/16.
1412 WLDGC 2103404 C002 M-Th 10/31-12/6 11:00 am-3:00 pm CC 300A
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Victory Center
2241 WLDGC 2103404 V001 MW 9/26-12/5 8:00 am-9:00 am VC 111
Department consent required. Contact the CTE office at a LSC campus to register.

Introduction (SMAW) NCCER
WLDGC 2102805 130 Contact Hours $1723
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.

LSC-North Harris
15506 WLDGC 2102805 1002 M-Th 10/4-11/17 7:30 am-3:30 pm
15506 WLDGC 2102805 1002 W 11/2 7:30 am-10:00 pm

Intermediate (SMAW) NCCER
WLDGC 2105703 115 Contact Hours $1528
A study of the production of various fillets and groove welds. Preparation of specimens for testing in various positions.

LSC-North Harris
7502 WLDGC 2105703 1001 W 11/2 10:00 am-3:30 pm
7502 WLDGC 2105703 1001 Th 11/3-11/30 7:30 am-3:30 pm
7502 WLDGC 2105703 1001 Th 12/1 7:30 am-12:30 pm

Math for Welders
WLDGC 2109117 32 Contact Hours $440
Math skills applicable to welding occupations. Includes fraction and decimal manipulation, measurement, percentage, and problem solving techniques for equations and ratio/proportion applications. Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Student purchases personal tools, supplies and workbook. This course is designed as a component to prepare the student to take the American Welding Society Certification Exam.

LSC-Conroe Center
1209 WLDGC 2109117 C001 Th 10/4-11/29 8:00 pm-10:00 pm CC 215

LSC-North Harris
5903 WLDGC 2109117 C001 Th 9/27-11/17 8:00 am-10:00 am
Pipe Welding
WLDGC 2104106 80 Contact Hours $1313
This course covers pipe welding techniques and applications. Student purchases personal tools, supplies and workbook.

LSC-Conroe Center
1414 WLDGC 2104106 C001 M-Th 9/26/10-27 11:00 am-3:00 pm CC 300A Department consent required. Contact the CTE office at a LSC campus to register.
1416 WLDGC 2104106 C003 Sa 10/1-12/17 8:00 am-5:00 pm CC 300A Department consent required. Contact the CTE office at a LSC campus to register.
Closed 11/26/16.
1415 WLDGC 2104106 C002 M-Th 10/31-12/6 11:00 am-3:00 pm CC 300A Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Victory Center
2247 WLDGC 2104106 V001 MW 9/26-12/5 8:00 am-9:00 am VC 111 Department consent required. Contact the CTE office at a LSC campus to register.
2247 WLDGC 2104106 V001 MW 9/26-12/5 9:00 am-12:00 pm VC 111 Department consent required. Contact the CTE office at a LSC campus to register.
2248 WLDGC 2104106 V002 MW 9/26-12/5 5:00 pm-6:00 pm VC 111 Department consent required. Contact the CTE office at a LSC campus to register.
2248 WLDGC 2104106 V002 MW 9/26-12/5 6:00 pm-9:00 pm VC 111 Department consent required. Contact the CTE office at a LSC campus to register.
2251 WLDGC 2104106 V003 MW 12/7-3/1 8:00 am-9:00 am VC 111 Department consent required. Contact the CTE office at a LSC campus to register.
2251 WLDGC 2104106 V003 MW 12/7-3/1 9:00 am-12:00 pm VC 111 Department consent required. Contact the CTE office at a LSC campus to register.
2253 WLDGC 2104106 V004 MW 12/7-3/1 5:00 pm-6:00 pm VC 111 Department consent required. Contact the CTE office at a LSC campus to register.
2253 WLDGC 2104106 V004 MW 12/7-3/1 6:00 pm-9:00 pm VC 111 Department consent required. Contact the CTE office at a LSC campus to register.

Shielded Metal Arc Welding (SMAW)
WLDGC 2102804 80 Contact Hours $1313
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. Students will develop knowledge and skills in the welding process; safety and health, use and care of hand tools, and five essentials of shielded metal arc, strike and control the arc, run a straight bead in the flat position, complete a series of beads, and restart a continuous bead and fill the crater; perform fillet welds in the flat, horizontal, vertical, and overhead positions; discuss electrode selection, power sources, and safety. Students work independently in the welding booth under the guidance of an instructor to meet and/or exceed the competencies. Break test may be used. Student purchases personal tools, supplies and workbook.

LSC-Conroe Center
1419 WLDGC 2102804 C001 M-Th 9/26-10/27 11:00 am-3:00 pm CC 300A Department consent required. Contact the CTE office at a LSC campus to register.
1419 WLDGC 2102804 C003 Sa 10/1-12/17 8:00 am-5:00 pm CC 300A Department consent required. Contact the CTE office at a LSC campus to register.
Closed 11/26/16.
1419 WLDGC 2102804 C002 M-Th 10/31-12/6 11:00 am-3:00 pm CC 300A Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Victory Center
2223 WLDGC 2102804 V001 MW 9/26-12/5 8:00 am-9:00 am VC 111 Department consent required. Contact the CTE office at a LSC campus to register.

Welding Inspection Preparation Part I
NDTEC 2201102 48 Contact Hours $657
General principles of welding inspection including welding processes, terms and definitions, welding discontinuities, duties and responsibilities of inspectors, destructive and nondestructive testing, quality assurance/quality control, welding codes and blueprints, procedures, and case studies. An overview of welding tools and equipment, metallurgy, chemistry, and joint design.

LSC-Conroe Center
10645 NDTEC 2201102 C001 Sa 8/27-10/8 8:00 am-4:00 pm CC 200 Department consent required. Contact the CTE office at a LSC campus to register.

Welding Inspection Preparation Part II
NDTEC 2201103 48 Contact Hours $657
General principles of welding inspection including welding processes, terms and definitions, welding discontinuities, duties and responsibilities of inspectors, destructive and nondestructive testing, quality assurance/quality control, welding codes and blueprints, procedures, and case studies. An overview of welding tools and equipment, metallurgy, chemistry, and joint design.

LSC-Conroe Center
10649 NDTEC 2201103 C001 Sa 10/15-11/19 8:00 am-4:00 pm CC 200 Department consent required. Contact the CTE office at a LSC campus to register.

Closed 11/25 to 11/27.
FINANCE

Overview

Begin a Satisfying Career!

If you have a knack for numbers and want to contribute to the bottom-line success of a company, a career in Finance may be the track for you. Lone Star College offers you the opportunity to launch your career today or advance your skills in programs such as Accounting and Payroll Professional. You can also enroll in courses that fit your immediate technical skill needs such as Quickbooks and Excel I and II.

For more information, go to LoneStar.edu/cte-finance.

Programs

**Accounting Assistant/Bookkeeper Certificate** 112 hours, $1,600
  - Accounting, Office I 24 hours, $336
  - Accounting, Office II 24 hours, $336
  - Excel I 16 hours, $232
  - Excel II 16 hours, $232
  - QuickBooks I 16 hours, $232
  - QuickBooks II 16 hours, $232

**Payroll Assistant Certificate** 160 hours, $2,272

**Accounting Assistant/Bookkeeper Certificate - Plus**
  - Payroll Accounting I 24 hours, $336
  - Payroll Accounting II 24 hours, $336

**Payroll Professional Certificate** 66 hours, $741
  - PayTrain Fundamentals 30 hours, $339
  - PayTrain Mastery 36 hours, $402

Linked with a credit course. See page 5 for requirements.
Accounting, Office I
ACNTC 2100106 24 Contact Hours $336
This course focuses on analyzing, classifying and recording business transactions. Emphasis is placed on understanding the complete accounting cycle and preparing financial statements, bank reconciliations and payroll.
LSC-Creekside Center
15365 ACNTC 2100106 K001 MW 9/7-9/26 6:00 pm-10:00 pm
LSC-CyFair
4759 ACNTC 2100106 5001 TTh 9/20-10/6 6:00 pm-10:00 pm
LSC-Kingwood
5779 ACNTC 2100106 2001 MW 9/19-10/26 9:00 am-11:00 am
LSC-North Harris
2657 ACNTC 2100106 1001 TTh 9/6-9/29 6:00 pm-9:00 pm DTEC 102
LSC-Tomball
2918 ACNTC 2100106 3001 MW 10/17-11/2 9:00 am-1:00 pm

Accounting, Office II
ACNTC 2104201 24 Contact Hours $336
Focus on accounting for merchandising, notes payable, notes receivable, valuation of receivables, valuation of plant and equipment, and voucher system.
LSC-Conroe Center
6057 ACNTC 2104201 C001 MW 9/12-10/5 6:00 pm-10:00 pm Department consent required. Contact the CTE office at a LSC campus to register.
LSC-Creekside Center
15376 ACNTC 2104201 K001 MW 9/28-10/17 6:00 pm-10:00 pm
LSC-CyFair
4763 ACNTC 2104201 5001 TTh 10/11-10/27 6:00 pm-10:00 pm
LSC-Kingwood
5781 ACNTC 2104201 2001 TTh 10/4-11/10 7:00 pm-9:00 pm
5782 ACNTC 2104201 2002 MW 10/31-12/14 9:00 am-11:00 am
LSC-North Harris
2659 ACNTC 2104201 1001 TTh 10/4-10/27 6:00 pm-9:00 pm DTEC 102
LSC-Tomball
2920 ACNTC 2104201 3001 MW 11/7-11/30 9:00 am-1:00 pm E 182

Payroll Accounting I
ACNTC 2101511 24 Contact Hours $336
Focus on payroll and associated records, including time and record keeping, actual payroll, and quarterly and annual reports.
LSC-Creekside Center
15369 ACNTC 2101511 K001 M-Th 10/18-10/26 6:00 pm-10:00 pm
LSC-Montgomery
7625 ACNTC 2101511 4001 Sa 10/1-10/15 Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.
LSC-Tomball
6917 ACNTC 2101511 3001 TTh 9/6-9/22 9:00 am-1:00 pm

Payroll Accounting II
ACNTC 2109112 24 Contact Hours $336
Continuation of Payroll Accounting I. Focus on payroll and associated records, including time and record keeping, actual payroll, and quarterly and annual reports.
LSC-Creekside Center
15381 ACNTC 2109112 K001 M-Th 10/27-11/7 6:00 pm-10:00 pm
LSC-Montgomery
7628 ACNTC 2109112 4001 Sa 10/29-11/12 Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.
LSC-Tomball
6948 ACNTC 2109112 3001 TTh 9/27-10/13 9:00 am-1:00 pm E 182

PayTrain Fundamentals
ACNTC 2109108 30 Contact Hours $339
The PayTrain Fundamentals course teaches the fundamental payroll calculations and applications providing students with the basic knowledge and skills required to maintain payroll compliance and prevent costly penalties. This course is ideal for new payroll professionals, those who support the payroll industry, those who are preparing for the FPC Certification from the American Payroll Association, and those who wish to take the Mastery course. Enrollees receive live classroom instruction and access to interactive online quizzes, games, and application exercises to reinforce topics learned. Topics include: Payroll concepts, payroll calculations, fringe benefits, payroll reporting and employment taxes, record keeping and payroll practices, payroll accounting, administration. Participants who successfully complete the course can expect to function as entry-level payroll administrators. Required textbook, to be purchased by student, is an additional cost of approximately $450.
LSC-Tomball
2919 ACNTC 2109108 3001 Sa 9/10-10/8 9:00 am-3:00 pm

PayTrain Mastery
ACNTC 2109107 36 Contact Hours $402
PayTrain Mastery is a comprehensive course providing students with a solid understanding of advanced payroll topics necessary for payroll managers and supervisors. This course is ideal for experienced payroll professionals seeking compliance training, professional development, or CPP Certification from the American Payroll Association. Enrollees receive live classroom instruction and access to interactive online games and applications to reinforce topics learned. Please note, the PayTrain Fundamentals course is a pre-requisite. Topics include: Employee vs. Independent Contractor, payroll tax reporting, Fair Labor Standards, federal taxation and other legislation, payroll accounting, record keeping and systems, payroll management and administration. Participants who successfully complete the course can be considered for advancement to supervisory and managerial positions in payroll. Required textbook, to be purchased by student, is an additional cost of approximately $450.
LSC-Tomball
2921 ACNTC 2109107 3001 Sa 10/15-11/19 9:00 am-3:00 pm
QuickBooks I  
ACNTC  2101002  16 Contact Hours  $232  
Set up accounts; record and process basic transactions, journal entries, accounts receivable and payable; and generate fundamental business reports. Additional topics include cost accounting, budget controls, and year-end reporting. Prerequisites: Windows or equivalent knowledge and Office Accounting or equivalent experience.

LSC-Conroe Center  
6087  ACNTC  2101002  C001  TTh  11/15-11/29  6:00 pm-10:00 pm  
LSC-CyFair  
4765  ACNTC  2101002  5001  TTh  11/1-11/10  6:00 pm-10:00 pm  
LSC-Kingwood  
5780  ACNTC  2101002  2001  W  8/31-9/28  6:30 pm-9:30 pm  CLA 106  
Class meets from 6:00-10:00PM one session.

LSC-Montgomery  
6090  ACNTC  2101002  4001  TTh  9/20-9/29  6:00 pm-10:00 pm  MCE E203  
LSC-North Harris  
2357  ACNTC  2101002  1001  TTh  10/25-11/3  8:00 am-12:00 pm  DTEC 103  
LSC-Tomball  
2925  ACNTC  2101002  3002  TTh  11/10-11/22  9:00 am-1:00 pm  
2924  ACNTC  2101002  3001  TTh  11/10-11/22  6:00 pm-10:00 pm  

QuickBooks II  
ACNTC  2105402  16 Contact Hours  $232  
Enhance your skills using advanced features in accounts receivable, transactions, invoicing, adjustments, and security features. Topics include advanced report verification and generation. Prerequisite: QuickBooks I or equivalent experience.

LSC-Conroe Center  
6098  ACNTC  2105402  C001  TTh  12/5-12/14  6:00 pm-10:00 pm  
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-CyFair  
4766  ACNTC  2105402  5001  TTh  11/15-11/29  6:00 pm-10:00 pm  
LSC-Kingwood  
5783  ACNTC  2105402  2001  W  10/12-11/9  6:30 pm-9:30 pm  CLA 106  
Class meets from 6:00-10:00PM one session.

LSC-Montgomery  
6094  ACNTC  2105402  4001  TTh  10/11-10/27  6:00 pm-10:00 pm  MCE E203  
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris  
2358  ACNTC  2105402  1001  TTh  11/10-11/19  8:00 am-12:00 pm  DTEC 103  
LSC-Tomball  
2927  ACNTC  2105402  3002  TTh  11/29-12/8  9:00 am-1:00 pm  E 182  
2926  ACNTC  2105402  3001  TTh  11/29-12/8  6:00 pm-10:00 pm  E 182
Health Science

Overview

Through Lone Star College’s Career and Technical Education programs, you can obtain the specialized training needed for a career in dental assisting, patient care technician and physical fitness. Hospitals, retirement facilities, physical therapy centers and dental offices are just a few of the places where your career could begin. Various programs help prepare for exams. For more information, including course lists for each program, go to LoneStar.edu/CTE-HealthScience for specific information.

Registration Requirements:
- High School Diploma
- Copy of S. S. Card
- Copy of TX DL or ID
- Background Check
- Hepatitis B (3 shots)/TITER
- TDAP (last 10 years)
- MMR (2 shots)/TITER
- Varicella (2shots)
- TB Skin Test Negative (within 6 mos.)

North Harris-Health Professional Building
Information Sessions: Thursdays at two separate times
10:00 a.m. and 6:00 p.m.

Programs

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<thead>
<tr>
<th>Program</th>
<th>Duration</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Clinical Medical Assistant*</td>
<td>262 hours</td>
<td>$2,653</td>
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<tr>
<td>Dental Assistant*</td>
<td>332 hours</td>
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<tr>
<td>Dental Assisting I</td>
<td>128 hours</td>
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<td>Dental Assisting II</td>
<td>128 hours</td>
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<tr>
<td>Dental Assisting III (Clinical)</td>
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<tr>
<td>Dental Assisting Review, Exam (TSBDE)</td>
<td>16 hours</td>
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<td>Electrocardiography Technician*</td>
<td>179 hours</td>
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<td>Electrocardiography, Diagnostic</td>
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<td>Cardiovascular Technology Technician, Clinical</td>
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<td>Emergency Medical Technician (EMT), Basic*</td>
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<td>Electrocardiography Monitor Technician</td>
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<td>Medication Aide Certificate</td>
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<td>Nurse Aide (CNA)*</td>
<td>116 hours</td>
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<td>Nurse Aide State Exam Facilitator</td>
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<td>Patient Care Technician*</td>
<td>312 hours</td>
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<td>Phlebotomist*</td>
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<td>Phlebotomy, Clinical</td>
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*Insurance Liability Fee applies (Fall $12/Spring $7/Summer $5)

Linked with a credit course. See page 5 for requirements.
Dental Assistant

Dental Assisting I
DNTAC 2105303 128 Contact Hours $1136
An expanded study of dental assisting techniques with emphasis on four-handed dentistry and utilization of armamentarium for general practice and specialty procedures. This course focuses on office procedures, communication skills, basic dental anatomy and instrumentation, basic equipment operation and maintenance, preparation of examination and treatment areas, infection control, safety issues and clinical dental radiology. Also, dental assisting techniques with emphasis on four-handed dentistry and utilization of tray setups for general practice and specialty procedures. Students are required to submit complete immunization records including Hepatitis B and TB results. This course is a component of the Dental Assisting Certificate that prepares for the TSBDE exam. Textbooks, supplies and uniform are not included in tuition.

LSC-Kingwood
4102 DNTAC 2105303 2001 M-Th 8/23-10/13 6:00 pm-10:00 pm CLA 101
Instruction Type: Hybrid, Computer.
4103 DNTAC 2105303 2002 M-Th 9/13-11/3 9:00 am-1:00 pm CLA 101
Instruction Type: Hybrid, Computer.

Dental Assisting II
DNTAC 2101502 128 Contact Hours $1136
A study of pre-clinical chairside assisting procedures, instrumentation, OSHA and other regulatory agencies' standards. This course prepares the student to function competently and safely as a chairside dental assistant. Prerequisite: Dental Assisting Lecture I. Co-requisite: Dental Assisting Clinical, CPR and Registered Dental Assistant Exam & Review.

LSC-Kingwood
4104 DNTAC 2101502 2001 M-Th 10/18-12/15 6:00 pm-10:00 pm CLA 101
Instruction Type: Hybrid, Computer.

Dental Assisting III (Clinical)
DNTAC 2106002 60 Contact Hours $292
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. Pre-requisite Dental Assisting Lecture I, II and Co-requisite Registered Dental Assistant Exam and Review. This course is a component of the Dental Assisting Certificate that prepares for the TSBDE exam.

LSC-Kingwood
1685 DNTAC 2106002 2001 M-F 9/13-10/13 8:00 am-5:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

Dental Assisting Review & Exam
DNTAC 2100302 16 Contact Hours $201
Preparation for Dental Assistants to meet Texas State Board of Dental Examiners (TSBDE) examination requirements. Includes review of radiology, infection control, and jurisprudence. State test and application forms included. Meets all state requirements for registered dental assistants.

LSC-Kingwood
4105 DNTAC 2100302 2001 F-Sa 12/2-12/3 8:00 am-5:00 pm CLA 101

Nitrous Oxide Sedation Monitoring

DNTAC 2100201 8 Contact Hours $206
Preparation of dental auxiliary personnel in the specific area of nitrous oxide monitoring for the state examination as mandated by the Texas State Board of Dental Examiners.

LSC-Kingwood
4099 DNTAC 2100201 2001 M 9/12/26
Instruction Type: Online.
4100 DNTAC 2100201 2002 M 10/10/24
Instruction Type: Online.
4101 DNTAC 2100201 2003 M 11/7/21
Instruction Type: Online.

Pit and Fissure Sealants for the Dental Assistant
DNTAC 2200000 7 Contact Hours $108
Intensive training in an identified area(s) to meet continuing education and/or review/update requirements associated with professional licensure or certification. This course was designed to be repeated multiple times to improve student proficiency. This course will enable the dental assistant with a minimum of two years’ experience the ability to apply for sealant certification with the Texas State Board of Dental Examiners (TSBDE).

LSC-Kingwood
4106 DNTAC 2200000 2001 Sa 9/17 8:00 am-5:00 pm CLA 101

Electrocardiography

Cardiovascular Technology Technician, Clinical
CVTTC 2106003 80 Contact Hours $353
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. Hospital will require immunizations such as Hepatitis B, TB Skin Test, Varicella, Measles, Mumps, Rubella and Tetanus. Student must present a successful background check in order to attend clinical. Prerequisite: Electrocardiography and Diagnostic Electrocardiography. CPR certification is also required in order to attend clinical. This course is a component of Electrocardiography Technician that prepares for American Certification Agency for Healthcare Professionals. This course will review the following medical terminology; heart anatomy and physiology, basic EKG techniques, and infection control and safety. The course will also review basic electrophysiology, ECG waves and interpretations, and basic pharmacology and special procedures while in a clinical setting.

Health Professions Building
2853 CVTTC 2106003 1001 M-F 11/1-11/17 7:00 am-7:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

Offsite - In District
2931 CVTTC 2106003 3001 M-F 12/8-12/18 OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.
Electrocardiography
ECRDC 2101101 32 Contact Hours $296
Fundamentals of cardiovascular anatomy and physiology. Includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities. This continuing education course is an introduction to electrocardiography (ECG). This course is designed to prepare students to take a national certification. Students must also register for diagnostic electrocardiography, ECG clinical, professional liability insurance and exam. This course is a component of Electrocardiography Technician that prepares for American Certification Agency for Healthcare Professionals. This course will define the foundations of medical terminology, heart anatomy and physiology, basic EKG techniques, and infection control and safety.

Health Professions Building
2860 ECRDC 2101101 T002 F 9/210/21 8:00 am-12:00 pm HPB 205
Department consent required. Contact the CTE office at a LSC campus to register.
2858 ECRDC 2101101 T001 Th 9/6/21 5:30 pm-9:30 pm HPB 205
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Conroe Center
15990 ECRDC 2101101 C001 F 9/19/21 9:00 am-12:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood
4116 ECRDC 2101101 2001 Tth 9/13/21 6:00 pm-10:00 pm
LSC-Tomball Health Science Bdg
2940 ECRDC 2101101 T001 F 8/26/21 9:00 am-1:00 pm HS 210
Department consent required. Contact the CTE office at a LSC campus to register.

Electrocardiography Monitor Technician
ECRDC 2101103 30 Contact Hours $339
Fundamentals of cardiovascular anatomy and physiology. Includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities. 6 hours of observation time TBA.

LSC-Kingwood
4118 ECRDC 2101103 2001 MW 9/12/21 6:00 pm-10:00 pm
4119 ECRDC 2101103 2002 MW 10/17/21 6:00 pm-10:00 pm

LSC-Montgomery
9045 ECRDC 2101103 4001 MW 9/10/21 6:00 pm-10:00 pm
9048 ECRDC 2101103 4002 Th 11/3/21 6:00 pm-10:00 pm

Electrocardiography Technician Proctor Fee
ECRXC 7000002 3 Contact Hours $39
Three hour examination to achieve certification as an electrocardiogram technician consisting of both written and practical portions. Student must have successfully completed the colleges ECG Technician training program in order to sit for exam. Exam will be administered by an (ACA) American Certification Agency instructor. Student is also responsible for (ACA) American Certification Agency for Health Professionals examination fee. Prerequisites: Electrocardiography, Diagnostic Electrocardiography, Clinical-Cardiovascular Technology/Technologist

LSC-North Harris
2864 ECRXC 7000002 T001 F 12/2 2:30 pm-5:30 pm DTEC 102
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Tomball
7493 ECRXC 7000002 3001 W 12/7
Department consent required. Contact the CTE office at a LSC campus to register.

Electrocardiography, Diagnostic
DSAEC 2104002 64 Contact Hours $692
Cardiac testing including the techniques and interpretation of patient physical assessment. Covers electrocardiography, stress testing, Holter monitoring, vital signs, and cardiovascular pharmacology. This intermediate electrocardiography (ECG) course prepares students for more advanced cardiac testing. Prerequisite is Electrocardiography. This course is designed to prepare students to take a national certification. Students must also register for ECG clinical, professional liability insurance and exam.

Health Professions Building
2855 DSAEC 2104002 T001 Th 9/22/21 5:30 pm-9:30 pm HPB 205
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Tomball Health Science Bdg
2939 DSAEC 2104002 T001 MWF 10/17/21 2:00 pm-5:00 pm HS 210
Department consent required. Contact the CTE office at a LSC campus to register.

Emergency Medical Technician

Emergency Medical Technician, Basic
EMSPC 2100103 144 Contact Hours $411
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. A high school diploma, GED or participation in the early admissions program required. Student purchases textbook and provides uniform and proof of immunizations. Course completion requires two classes, EMT-Basic and EMT-Basic Clinical. Student must register for both classes at the same time. This course is linked to EMSP 1501.

LSC-Kingwood
15078 EMSPC 2100103 2590 MW 8/29/12-12/18 6:00 pm-7:30 pm CLA 102

LSC-Montgomery
14922 EMSPC 2100103 4201 Th 8/29/12-12/18 8:30 am-10:00 am MC B 222
Admission to the EMS Professions program required. Mandatory extrication dates: 9/16 & 9/30, 5-10pm. Must be taken concurrently with EMSP 1160-4901. For information, visit https://www.lonestar.edu/ems-dept-montgomery.htm or call 936.273.7030.

14924 EMSPC 2100103 4401 Th 8/29/12-12/18 6:00 pm-7:30 pm MC B 222
Admission to the EMS Professions program required. Mandatory extrication dates: 9/16 & 9/30, 5-10pm. Must be taken concurrently with EMSP 1160-4902. For information, visit https://www.lonestar.edu/ems-dept-montgomery.htm or call 936.273.7030.

LSC-North Harris
10806 EMSPC 2100103 1001 MW 8/29/12-12/18 8:00 am-9:30 am WNSP 168
Mandatory Extrication Dates: 9:23.16 and 10:21.16 from 5 pm to 10 pm at LSC-North Harris in WNSP 183. Must be taken concurrently with EMSPC 2109102 1001. Department consent required. Contact the CTE office at a LSC campus to register.

10810 EMSPC 2100103 1003 Th 8/29/12-12/18 8:00 am-9:30 am WNSP 168
Mandatory Extrication Dates: 9:23.16 and 10:21.16 from 5 pm to 10 pm at LSC-North Harris in WNSP 183. Must be taken concurrently with EMSPC 2109102 1001. Department consent required. Contact the CTE office at a LSC campus to register.

10813 EMSPC 2100103 1005 Th 8/29/12-12/18 6:00 pm-7:30 pm WNSP 168
Mandatory Extrication Dates: 9:23.16 and 10:21.16 from 5 pm to 10 pm at LSC-North Harris in WNSP 183. Must be taken concurrently with EMSPC 2109102 1001. Department consent required. Contact the CTE office at a LSC campus to register.
Career & Technical Education

Health Science

Emergency Medical Technician, Basic Clinical
EMSPC 2109102 80 Contact Hours $87
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. Requires LSC liability insurance. This course is linked to EMSP 1160. Prerequisite: ENGL 0304 or ENGL 0315 or ENGL 0339 AND ENGL 0306 or 0325 or 0353 OR higher level course (ENGL 1301), OR placement by testing; Math 0306

LSC-Montgomery
14920 EMSP 2109102 4901 8/29/12/18 OFFSITE-D
Required clinical orientations: 8/26 & 9/2, 5-10pm, B-102. Immunizations, uniforms, background check, etc. required. Must be taken concurrently with EMSP 1501-4201. For information, visit https://www.lonestar.edu/ems-dept-montgomery.htm or call 936.273.7030.

LSC-North Harris
10880 EMSP 2109102 1001 WNSP 168
Required Clinical Orientation: 9/16.16 at 6 pm LSC-North Harris in WNSP 183. Immunizations, uniforms, background check, etc. are required and discussed at Orientation. NOTE: EMSPC 2109102 starts 8/29.16. Information at http://www.lonestar.edu/ems-dept-northharris.htm or call 281.618.5781. Department consent required. Contact the CTE office at a LSC campus to register.

Workplace Microbiology
SCITC 2101301 64 Contact Hours $577
A study of the identification and growth of microorganisms as pathogenic or non-pathogenic agents including epidemiology. Includes the detection of microbes and control of infectious agents in the workplace emphasizing sanitation and asepsis. Designed for students with a passing grade of at least a C in Medical Microbiology (BIOL 2420).

LSC-CyFair
8691 SCITC 2101301 5001 MSu 9/19/11/20
Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.

LSC-North Harris
2036 SCITC 2101301 1001 MSu 9/19/11/20
Instruction Type: Online.

General Health Care

Anatomy and Physiology I, Review
SCITC 2100701 48 Contact Hours $441
An applied systematic study of the structure and function of the human body designed for students considering a career in the health field. Includes anatomical terminology, cells, tissues, and the following systems: integumentary, skeletal, muscular, nervous, and endocrine. Emphasis on homeostasis. Students will study the systems of the body, how they interact, and how they are regulated to maintain life and homeostasis. This is a very fast-paced course; Designed for students with a previous passing grade of at least C in Human Anatomy & Physiology I (BIOL 2401).

LSC-CyFair
8713 SCITC 2100701 5001 MSu 9/12/10/17
Instruction Type: Online.

LSC-North Harris
2034 SCITC 2100701 1001 MSu 9/12/10/17
Instruction Type: Online.

Anatomy and Physiology II, Review
SCITC 2100801 48 Contact Hours $441
A continuation of Applied Human Anatomy and Physiology I designed for students considering a career in the health field. The following body systems are included: digestive, respiratory, cardiovascular, lymphatic/immune, renal/excretory, and reproductive. Emphasis is on homeostasis. Students will study the systems of the body, how they interact, and how they are regulated to maintain life and homeostasis. In this study of the structure and function of the human body, emphasis will be given to the study of cells and tissues and anatomical and physiological interrelationships of the skeletal, muscular, nervous and endocrine systems. This is a very fast-paced course; Designed for students with a passing grade of at least a C in Human Anatomy & Physiology II (BIOL 2402).

LSC-CyFair
2100801 5001 MSu 10/19/11/22
Instruction Type: Online.

LSC-North Harris
2035 SCITC 2100801 1001 MSu 10/18/11/22
Instruction Type: Online.

Health Care Science

Biotechnology I
BITCC 2101102 96 Contact Hours $332
An introduction to biotechnology including career exploration, history and applications of DNA/RNA technology, molecular biology, bioethics, and laboratory safety practices. This course is linked to BITC 1411.

LSC-Montgomery
15113 BITC 2101102 4201 Th 8/29/12/18 9:00 am-10:20 am MC-B 8233

Clinical - Registered Nursing/Nurse
RNSGC 2106002 128 Contact Hours $865
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. Co-Requisite: Re-Entry Nursing Update RNSGC 2100605

LSC-Tomball
8363 RNSGC 2106002 3001 MSu 8/29/12/18
Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
HEALTH CAREERS

Health Occupations Orientation
ORTAC 7000000 2 Contact Hours $0
Health Occupations Orientation introduces students to the expectations of the health occupations program they have enrolled in and the career pathways available to them at LSC.

LSC-North Harris
16200 ORTC 7000000 1002 Th 9/1 8:30 am-10:30 am HPB 216
For CNA class No 2744.
16215 ORTC 7000000 1005 Th 9/1 5:30 pm-7:30 pm HPB 205
For EKG class No 2838.
16654 ORTC 7000000 1009 Th 9/8 6:00 pm-8:00 pm CMED 209
For Personal Training class No 1849.
16653 ORTC 7000000 1008 T 9/13 6:00 pm-8:00 pm
For Medication Aide Class No 3286.
16216 ORTC 7000000 1006 W 9/14 5:30 pm-7:30 pm HPB 210
For Phlebotomy class No 7356.
16204 ORTC 7000000 1003 Th 9/29 5:30 pm-7:30 pm HPB 216
For CNA class No 2746.
16206 ORTC 7000000 1004 W 11/2 9:00 am-11:00 am HPB 216
For CNA class No 2749.

LSC-Victory Center
16657 ORTC 7000000 V001 Th 9/15 5:00 pm-7:00 pm VC 113
for CNA class No 2752.
16658 ORTC 7000000 V002 Th 10/6 8:00 am-10:00 am VC 113
for CNA class No 2754.

Re-Entry Nursing Update
RNSGC 2100605 128 Contact Hours $609
Current professional nursing practice as related to the clinical areas of medical-surgical, maternal-child, mental health, and community health nursing care. Designed for nurses returning to active practice. Co-Requisite: Clinical - Registered Nursing/Nurse RNSGC 2106002

LSC-Tomball
8000 RNSGC 2100605 3001 M 8/29-12/18 Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.

Medical Terminology I
HITTC 2100500 32 Contact Hours $296
Study of medical terms through word origin and structure. Introduction to abbreviations and symbols, surgical and diagnostic procedures, and medical specialties. This course is a component of the Patient Care Tech Certification that prepares for National Center for Competency Exam.

Health Professions Building
16780 HITTC 2100500 1001Th 10/11-11/3 6:00 pm-10:00 pm
LSC-Conroe Center
9084 HITTC 2100500 C001 NW 10/5-11/30 6:00 pm-8:00 pm
LSC-CyFair
8673 HITTC 2100500 5001 W 9/14-11/2 8:00 am-12:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
10788 HITTC 2100500 5002 NW 10/5-11/30 6:00 pm-8:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
LSC-Kingwood
4120 HITTC 2100500 2001 Th 10/11-11/3 6:00 pm-10:00 pm
LSC-Tomball
7335 HITTC 2100500 3001 NW 8/29-10/24 3:00 pm-5:59 pm E 177

CPR for Healthcare Provider
EHLTC 3200001 3 Contact Hours $57
HeartCode BLS is an interactive self-directed eLearning program which completes the requirements for the American Heart Association BLS for Healthcare Providers course. Learners complete a computer-based cognitive portion consisting of lessons teaching the BLS algorithm; realistic adult and infant patient cases that test knowledge of the correct sequence of patient care activities and give the student a detailed debriefing of performance; and a multiple choice exam.

LSC-Conroe Center
9032 EHLTC 3200001 C001 M 8/29 8:00 am-12:00 pm
9038 EHLTC 3200001 C002 F 10/14 8:00 am-12:00 pm
LSC-CyFair
8667 EHLTC 3200001 5001 M 9/12 8:00 am-2:00 pm
8669 EHLTC 3200001 5002 M 10/17 8:00 am-2:00 pm
LSC-Tomball Health Science Bdg
15658 EHLTC 3200001 T001 F 9/16 9:00 am-12:00 pm HS 210

Still in high demand!
Every day, around the clock, people who work in the health care industry provide care for millions of people. The health care industry is one of largest providers of jobs in the United States. Many health jobs are in hospitals. Others are in nursing homes, doctors’ offices, dentists’ offices, outpatient clinics and laboratories.

• Dental Assistant
• Personal Trainer
• Medication Aide
• Phlebotomist
• Nurse Aide (CNA)
• Patient Care Tech
• EMT (Basic)

For more information, email LSCCE@LoneStar.edu
**Health Occupations Professionalism**

**Medication Aide**  
NURAC 2101302  140 Contact Hours  $643  
Instruction in preparation and administration of designated medications by non-licensed nursing personnel employed in licensed health care agencies including the responsibilities associated with such administration. Student must be currently employed in a facility as a nurse aide or non-licensed direct care staff person on the first official day of the medication aide training program. Student must also have been employed for 90 days in a nursing home, MHMR or TDCJ facility within the twelve-month period preceding the course. GED or high school diploma required.

**Health Professions Building**  
3286  NURAC 2101302  1001  MTTh  9/19-12/8  8:00 am-10:00 pm  
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-Tomball**  
7542  NURAC 2101302  3001  MTu  9/6-11/28  5:00 pm-9:00 pm  
Department consent required. Contact the CTE office at a LSC campus to register.

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**Nurse Aide & Patient Care Technician**

**Nurse Aide State Exam Facilitator Fee**

**NURXC 7800121**  
8 Contact Hours  $64  
Facilitator fee for state exam for nurse aide, including written exam and skills tests. Students must have successfully completed and passed the Nurse Aide Lecture and Clinical Training, meet the criteria and be authorized by the state to test. The student is responsible for the state’s exam fee. 0.8 CEU

**LSC-Conroe Center**  
9083  NURXC 7800121  C001  TTh  10/4-11/10  6:00 pm-8:00 pm  
OFFSITE-ID

**LSC-Kingwood**  
4135  NURXC 7800121  2001  MW  9/19-10/5  6:00 pm-10:00 pm  
OFFSITE-ID

**LSC-Tomball**  
7553  NURXC 7800121  3001  MW  11/7-12/7  
Instruction Type: Online.

7556  NURXC 7800121  3002  MWF  11/7-12/7  3:00 pm-4:59 pm  E 177

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**Certified Nurse Aide**

A Certified Nurse Aide or CNA, has the most interaction with a patient. Certified Nurse Aides are responsible for assisting residents in maintaining basic comfort and safety. Jump start your career, enroll today!

For more information, email LSCCE@LoneStar.edu
**Medication Aide Refresher**

NURAC 2104104 7 Contact Hours $115

Intensive training in an identified area(s) to meet continuing education and/or review/update requirements associated with professional licensure or certification. This course was designed to be repeated multiple times to improve student proficiency. Fulfillment of the annual education renewal requirements of the Certified Medication Aide. Topics include review update of medication aide training rules, medication administration and related responsibilities. Please bring your medication aide permit number with you to class. This course prepares for the TDADS Medication Aide Exam.

**LSC-North Harris**

2661 NURAC 2104104 1001 Su 9/17 8:30 am-4:30 pm CMED 201
2664 NURAC 2104104 1002 Su 11/19 8:30 am-4:30 pm CMED 201

**LSC-Tomball**

7544 NURAC 2104104 3001 Su 9/10 8:30 am-4:30 pm E 177
Department consent required. Contact the CTE office at a LSC campus to register.

7546 NURAC 2104104 3002 Su 11/12 8:30 am-4:30 pm E 177
Department consent required. Contact the CTE office at a LSC campus to register.

**Nurse Aide, Certified**

NURAC 2100105 64 Contact Hours $496

Knowledge, skills, and abilities essential to provide basic care to residents of long-term care facilities. Topics include resident's rights, communication, safety, observation, reporting and assisting residents in maintaining basic comfort and safety. Emphasis on effective interaction with members of the health care team. This course is a component of the Certified Nurse Aide Certification that prepares for Nurse Aide Competency Exam. The course explains the National Nurse Aide Assessment Program (NNAAP) Skills.

**Health Professions Building**

2744 NURAC 2100105 1001 Ths 9/6-10/27 8:30 am-12:30 pm HPR 216
Department consent required. Contact the CTE office at a LSC campus to register.

2746 NURAC 2100105 1002 MThs 10/3-11/7 5:30 pm-9:30 pm HPR 216
Department consent required. Contact the CTE office at a LSC campus to register.

2749 NURAC 2100105 1003 MWF 11/7-12/5 9:00 am-2:00 pm HPR 216
Department consent required. Contact the CTE office at a LSC campus to register.

2749 NURAC 2100105 1003 T 12/6 9:00 am-12:00 pm HPR 216
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-Conroe Center**

8982 NURAC 2100105 C001 Ths 9/8-10/13 9:00 am-1:30 pm CC 120
Department consent required. Contact the CTE office at a LSC campus to register.

8986 NURAC 2100105 C002 Ths 10/4-11/29 5:30 pm-10:00 pm CC 120
Department consent required. Contact the CTE office at a LSC campus to register.

8991 NURAC 2100105 C003 MWF 11/1-12/12 8:30 am-12:30 pm CC 120
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-CyFair**

8022 NURAC 2100105 5001 Ths 9/15-11/8 9:00 am-2:00 pm HSC 105
Department consent required. Contact the CTE office at a LSC campus to register.

8043 NURAC 2100105 5002 Ths 10/4-11/29 5:30 pm-10:00 pm HSC 105
Department consent required. Contact the CTE office at a LSC campus to register.

8050 NURAC 2100105 5003 MWF 11/1-12/12 5:30 pm-10:00 pm HSC 105
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-Kingwood**

4125 NURAC 2100105 2001 MW 9/12/10-5 8:00 am-5:00 pm CLA 108
Department consent required. Contact the CTE office at a LSC campus to register.

4126 NURAC 2100105 2002 MW 10/18-11/22 5:00 pm-9:00 pm CLA 108
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-Tomball Health Science Bdg**

7537 NURAC 2100105 T001 MW 9/12/10-24 8:30 am-1:30 pm HS 210
Department consent required. Contact the CTE office at a LSC campus to register.

7539 NURAC 2100105 T002 MW 11/2-12/5 8:30 am-1:30 pm HS 210
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-Victory Center**

2752 NURAC 2100105 V001 Ths 9/20-11/10 5:00 pm-9:00 pm VC 113
Department consent required. Contact the CTE office at a LSC campus to register.

2754 NURAC 2100105 V002 Ths 10/11-12/6 8:00 am-12:00 pm VC 113
Department consent required. Contact the CTE office at a LSC campus to register.

**Nurse Aide, Certified (Clinical)**

NURAC 2106003 44 Contact Hours $332

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 is a component of the Certified Nurse Aide Certification that prepares for Nurse Aide Competency Exam. The course explains the National Nurse Aide Assessment Program (NNAAP) Skills in a long-term care facility. Student must also register for insurance and state exam proctor fee.

**LSC-Conroe Center**

9001 NURAC 2106003 C001 Msu 10/14-10/28 6:00 am-6:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

9005 NURAC 2106003 C002 Msu 11/3-12/14 6:00 am-6:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

9008 NURAC 2106003 C003 Msu 12/13-12/23 6:00 am-6:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-Kingwood**

4131 NURAC 2106003 2001 Msu 10/7-10/14 OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

4134 NURAC 2106003 2002 Msu 11/29-12/9 OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-North Harris**

2745 NURAC 2106003 1001 Msu 10/31-11/10 6:00 am-6:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

2748 NURAC 2106003 1002 Msu 11/8-11/28 6:00 am-6:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

2750 NURAC 2106003 1003 Msu 12/7-12/20 6:00 am-6:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-Tomball**

7548 NURAC 2106003 3001 Msu 10/25-11/1 7:00 am-7:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

7550 NURAC 2106003 3002 Msu 12/6-12/13 7:00 am-7:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-Victory Center**

2753 NURAC 2106003 V001 Msu 11/11-11/30 6:00 am-6:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

2755 NURAC 2106003 V002 Msu 12/7-12/21 6:00 am-6:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

**Offsite - In District**

8031 NURAC 2106003 5001 Msu 11/9-11/18 6:00 am-6:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

8047 NURAC 2106003 5002 Msu 11/30-12/9 6:00 am-6:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

8053 NURAC 2106003 5003 Msu 12/13-12/23 6:00 am-6:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.
Exercise Science
FITTC 2201301  48 Contact Hours  $513
This course will include a survey of scientific principles, methodologies, and research as applied to exercise and physical fitness. Emphasis on physiological responses and adaptations to exercise. Topics include basic elements of kinesiology, biomechanics, motor learning, and the physical fitness industry. Co-requisite: FITTC 2103701, Personal Training.

LSC-CyFair
10280 FITTC 2201301 5001 M  9/12-12/18  5:00 pm-8:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
Instruction Type: Hybrid, Internet.

LSC-Montgomery
9094 FITTC 2201301 4001 MW  8/29-10/24  6:00 pm-9:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris
1854 FITTC 2201301 1001 Th  9/13-9/22  6:00 pm-10:00 pm  CNED 209
1854 FITTC 2201301 1001 Th  9/27-11/17  6:00 pm-8:00 pm  CNED 209

LSC-Tomball
2941 FITTC 2201301 3001 T  9/6-12/13  9:00 am-12:00 pm  E 177
Department consent required. Contact the CTE office at a LSC campus to register.
2943 FITTC 2201301 3002 T  9/6-12/13  5:00 pm-8:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

Personal Training
FITTC 2103702  32 Contact Hours  $344
A study of the aspects of one-on-one training including marketing, program development, legal aspects, documentation, training methodologies, and business considerations. Emphasis on the development of safe and enjoyable individualized training sessions. This course is a component of the program that prepares for the National Academy of Sports Medicine.

LSC-CyFair
15869 FITTC 2103702 5001 M  9/12-12/19  8:00 pm-10:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
Instruction Type: Hybrid, Internet.

LSC-Montgomery
9098 FITTC 2103702 4001 MW  10/31-12/7  6:00 pm-9:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris
1849 FITTC 2103702 1001 Th  9/27-11/17  8:00 pm-10:00 pm  CNED 209

LSC-Tomball
7507 FITTC 2103702 3001 T  9/6-12/13  12:30 pm-2:30 pm  E 177
7522 FITTC 2103702 3002 T  9/6-12/13  8:00 pm-10:00 pm

Phlebotomy
PLABC 2102301  96 Contact Hours  $816
Skill development in the performance of a variety of blood collection methods using proper techniques and universal 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, proper patient identification, labeling of specimens and quality assurance, specimen handling, processing, and accessioning. Topics include professionalism, ethics, and medical terminology. This course is a component of the program that prepares for the ASCP Certification. This course will define and measure competencies of the following described which are required by ASCP; circulatory system, laboratory operations, non-blood specimens, point-of-care testing, specimen collection, and specimen processing and handling.

Health Professions Building
7378 PLABC 2102301 1003 MW  8/22-10/26  9:00 am-2:00 pm  HPB 110
Department consent required. Contact the CTE office at a LSC campus to register.
7356 PLABC 2102301 1002 MW  9/19-12/12  5:30 pm-9:30 pm  HPB 110
Department consent required. Contact the CTE office at a LSC campus to register.
7378 PLABC 2102301 1003 M  10/31  9:00 am-12:00 pm  HPB 110
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Conroe Center
9054 PLABC 2102301 C001 MW  9/19-11/11  9:00 am-1:00 pm  CC 119
Department consent required. Contact the CTE office at a LSC campus to register.
9059 PLABC 2102301 C002 MW  10/24-1/30  6:00 pm-10:00 pm  CC 119
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-EMCID
4086 PLABC 2102301 E001 MW  8/29-11/21  9:00 am-1:00 pm

LSC-Tomball Health Science Bdg
7723 PLABC 2102301 T001 Th  9/13-11/3  8:30 am-2:30 pm  HS 210
Department consent required. Contact the CTE office at a LSC campus to register.

Phlebotomy Clinical for Patient Care Technician
PLABC 2109100  12 Contact Hours  $126
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. 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. For Patient Care Tech students.

LSC-Conroe Center
9077 PLABC 2109100 C001 MSu  11/12-12/15  6:00 am-6:00 pm  OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.
9078 PLABC 2109100 C002 MSu  12/15-2/15  6:00 am-6:00 pm  OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris
16651 PLABC 2109100 T003 MSu  11/1-11/15  7:00 am-7:00 pm  OFFSITE-ID
PCT Clinical Department consent required. Contact the CTE office at a LSC campus to register.
Health Science

Phlebotomy, Clinical
PLABC 2106001 100 Contact Hours $608
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. Times to be arranged.

LSC-Conroe Center
9071 PLABC 2106001 C001 MSu 11/12/15 6:00 am-6:00 pm OFFSITE-ID
Department consent required. Contact the CTE office at a LSC campus to register.

WANTED: Subject matter experts who want to teach!

Have you ever wanted to use your job skill or hobby to teach others? We are looking for experience in the
following areas:

- AutoCAD/Solid Works
- Blueprint Reading
- Dental Assisting
- Diesel Technology
- Electricity
- English for Speakers of Other Languages (ESOL)
- Entrepreneurship
- Excel (Advanced)
- Global Logistics
- Lean Six Sigma
- Machining/CNC
- Management
- Nurse Aide
- Oil/Gas Drilling
- Oracle DBA
- Phlebotomy
- Professional Truck Driving
- QuickBooks
- SAT Review
- Technical Math
- Web Design/Developer
- Welding

For more information, contact the Corporate College or Career & Technical Education office closest to you.

CorporateCollege@LoneStar.edu  LSCCE@LoneStar.edu
Hospitality

Overview

Are you fond of food or a believer in flower power? Do you like helping others or being part of the team that executes a party or other large event? If so, take your curiosity and creativity to the next level with one of Lone Star College’s hospitality certification programs.

The hospitality industry is one of the world’s largest employers, and you can get started locally at Lone Star College, where we believe in careers, not just jobs.

We have the perfect program for you, whether you take one course for fun or several courses to earn a certification.

Programs

**Floral Designer** 88 hours, $1,432
- Floral Design, Principles 8 hours, $122
- Care & Handling of Cut Flowers & Foliage 8 hours, $147
- Floral Design Techniques, Basic 20 hours, $324
- Floral Wedding Design Techniques 20 hours, $344
- Floral Funeral Design Techniques 20 hours, $344
- Floral Daily Business Procedures 12 hours, $151

**Wedding Planner Certification** 40 hours, $924
- Wedding Planner Certification 40 hours, $924

For more information, including course lists for each program, go to LoneStar.edu/CTE-hospitality.

Linked with a credit course. See page 5 for requirements.

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**Floral Design Program Orientation**

FMKXC 7300001 1 Contact Hours $0

Begin a career in the floral industry. This orientation session will describe the Professional Floral Design Program in detail. You will discover all the exciting opportunities offered. This program is in partnership with the Texas State Florists Association and is exclusively offered at the Tomball campus.

**LSC-Tomball**

2975 FMKXC 7300001 3001 Th 9/1 7:00 pm-8:00 pm E 178

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**Basic Design Techniques**

FMKTC 2109113 20 Contact Hours $324

This is a hands-on class in which participants work on basic floral arrangements. The class includes the basic fundamentals of design construction such as the proper positioning of skeletal flowers and filler; cutting and wiring stems; and various mechanical aids. The advanced florist will find this class to be a very profitable review of design methods. Flowers, containers and basic supplies should be furnished. Students should bring their own tools and a bucket to store flowers.

**LSC-Tomball**

2954 FMKTC 2109113 3001 Tth 10/4-10/18 6:00 pm-8:00 pm E 178
2955 FMKTC 2109113 3002 Tth 10/4-10/18 6:00 pm-8:00 pm E 178

Department consent required. Contact the CTE office at a LSC campus to register.
Current Design Styles and Techniques
FMKTC  2109118  20 Contact Hours  $344
Contemporary floral designers are combining the good points of both Western and Eastern approaches into many styles and molding them to fit modern homes and surroundings. This course will teach how to construct several of the most noteworthy and practical design styles base arrangements in clear glass, vegetative, form a linear and parallel designs. Greater profit and efficiency in both time and material will result when good design techniques are applied at the worktable on a regular basis. Good design techniques include two concepts: design principles and design mechanics. This is a course in the Texas Master Florist Certification.

LSC-Tomball
2974  FMKTC  2109118  3001  M-Th  12/8/12/15  6:00 pm-10:00 pm  E 178

Daily Business Procedures
FMKTC  2109120  12 Contact Hours  $151
It is essential to keep careful records of all transactions, including: the purchase of assets, the incurring of debts, the owner’s contributions of capital assets, revenue and expenses. This course is designed to develop a simple system of record keeping which will enable a firm’s management to record the financial transactions, which occur in a typical retail florist business, and then to translate these transactions into a format, a balance sheet and an income statement. The accounting system, including both the recording function and the translation of the data into financial statements, will help to provide answers to critical questions relevant to the firm. This is a course in the Professional Certified Florist Certificate.

LSC-Tomball
2964  FMKTC  2109120  3001  T-Th  11/29-12/6  9:00 am-1:00 pm  E 178
2970  FMKTC  2109120  3002  T-Th  11/29-12/6  6:00 pm-10:00 pm  E 178

Funeral Design Techniques
FMKTC  2109116  20 Contact Hours  $344
Funeral work is a large portion of most florist shops. This hands-on class stresses basic concepts of design for funeral bouquets, wreaths, and casket sprays. The student will learn how to use color to the best advantage and how to decide what flowers to combine for different effects. Interesting ways to use foliage, twigs, mosses and other accessory materials will be presented along with different uses of ribbons. Topics of discussion will also include the best use of sympathy cards and how to develop a good working relationship with your funeral directors. Flowers, containers, and basic supplies should be provided. The students should bring their own tools and a bucket to store flowers. This is a course in the Certified Floral Designer Program.

LSC-Tomball
2961  FMKTC  2109116  3001  T-Th  11/8/11/22  9:00 am-1:00 pm  E 178
Department consent required. Contact the CTE office at a LSC campus to register.
2963  FMKTC  2109116  3002  T-Th  11/8/11/22  6:00 pm-10:00 pm  E 178

Principles of Floral Design
FMKTC  2109111  8 Contact Hours  $122
Flower arrangements can become works of creative art and be profitable too! The guidelines to achieve success are defined in this course. They are known as the Principles of Design: composition, harmony, focal point, balance, proportion, line, rhythm, texture, and color. Each is defined, discussed and illustrated with a number of different flower arrangements. This is a course in the Certified Floral Designer Program.

LSC-Tomball
2950  FMKTC  2109111  3001  Th  9/6-9/15  9:30 am-11:30 am  E 178
2952  FMKTC  2109111  3002  Th  9/6-9/15  6:00 pm-8:00 pm  E 178

Wedding Design Techniques
FMKTC  2109115  20 Contact Hours  $344
Weddings often constitute a large portion of a florist’s business. This hands-on class will focus on traditional wedding designs. The course covers steps in creating the bridal bouquet, including round, crescent, cascade, and triangle. Corsage construction, hair pieces, and other accessories will be discussed. Flowers, containers and basic supplies will be furnished. The students should bring their own tools and a bucket to store flowers. This is a course in the Certified Floral Designer Program.

LSC-Tomball
2956  FMKTC  2109115  3001  Th  10/20-11/3  9:00 am-1:00 pm  E 178
Department consent required. Contact the CTE office at a LSC campus to register.
2959  FMKTC  2109115  3002  Th  10/20-11/3  6:00 pm-10:00 pm  E 178
Department consent required. Contact the CTE office at a LSC campus to register.

Care and Handling of Cut Flowers and Foliage
FMKTC  2109112  8 Contact Hours  $147
This course discusses the factors that affect the quality of cut flowers and foliage, including production, moisture balance, nutrient balance, light, temperature, humidity, ethylene, and bacteria. Recommendations are also made that pertain to receiving, unpacking and processing the flowers. Methods of conditioning, hardening, and forcing flowers and use of preservatives are illustrated. Special attention is given to the proper care of roses. This is a course in the Certified Floral Designer Program.

LSC-Tomball
2953  FMKTC  2109112  3001  Th  9/20/29  9:30 am-11:30 am  E 178
7201  FMKTC  2109112  3002  Th  9/20/29  6:00 pm-8:00 pm  E 178

Wedding Planner Certification
BUSGC  2109124  40 Contact Hours  $924
The Wedding Planning Institute’s fast-track certification program is the industry standard for individuals looking to get started in the wedding and event planning business right away. Topics include, business planning for the wedding planner, wedding styles, signatures and themes. Wedding etiquette in America, vendors and contracts, stationery, attire, public relations, introduction to sales and marketing, reception logistics, cakes and desserts, music, photography, decorations, wedding favors, pre-and post-celebrations and expanding business revenue streams will also be presented. Preparers for the WPI’s (Lovegivety’s Wedding Planning Institute) certification exam. PC or laptop required as tablets do not work with the online system.

LSC-North Harris
1871  BUSGC  2109124  1001  M  9/12-11/28  6:00 pm-9:30 pm  CNED 206
Overview

The Internet revolutionized the way we work, live and play. It ushered in new ways of retrieving and sharing information, both locally and globally.

Information technology is an important and growing industry, and since Lone Star College believes in careers, not just jobs, we offer a variety of training courses and program certifications.

For more information, including course listings for each program, go to LoneStar.edu/CTE-infotech.

Programs

**CCNA (Cisco Certified Networking Associate)**  
320 hours, $960
- Introduction to Networks  
  80 hours, $240
- Routing and Switching Essentials  
  80 hours, $240
- Scaling Networks  
  80 hours, $240
- Connecting Networks  
  80 hours, $240

**CompTIA A+ Certification**  
96 hours, $1281
See Industry Certification & Exam Prep page 69

**CompTIA NET+ Certification**  
TBD hours, TBD
See Industry Certification & Exam Prep page 69

**Oracle Certification**  
120 hours, $4632
See Industry Certification & Exam Prep page 69

**CompTIA NET+ Certification**  
TBD hours, TBD
See Industry Certification & Exam Prep page 69

🔗 Linked with a credit course. See page 5 for requirements.
Access I
ITSWC 2105311 16 Contact Hours $232
An introduction to database concepts including: Program parameters, constant default values, data entry form design, database organization, and report generation. Prerequisite: Windows training or equivalent knowledge.

LSC-Kingwood
ITSWC 2105311
Start anytime and complete in four weeks! Student must have access to the Internet, an email account, and the 2013 version of the software being studied. An electronic textbook and other course materials are supplied through an online site operated by the textbook publisher and is required. An additional fee is payable to the publisher for access to these materials. Call 281.312.1660 to register. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.

LSC-Tomball
3024 ITSWC 2105311 3001 M-Th 10/10-10/13 9:00 am-1:00 pm E 160

Access II
ITSWC 2105509 16 Contact Hours $232
Instruction in data validation, data manipulation, browsing through records, records selection and query, indexing, and sorting. Prerequisites: Access I or equivalent knowledge.

LSC-Kingwood
ITSWC 2105509
Start anytime and complete in four weeks! Student must have access to the Internet, an email account, and the 2013 version of the software being studied. An electronic textbook and other course materials are supplied through an online site operated by the textbook publisher and is required. An additional fee is payable to the publisher for access to these materials. Call 281.312.1660 to register. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.

LSC-Tomball
3025 ITSWC 2105509 3001 M-Th 10/17-10/20 9:00 am-1:00 pm E 160

AutoCAD, Introduction
DFTGC 2101401 32 Contact Hours $440
Topics include CAD equipment selection and interface; software selection and installation; creating, editing and plotting of line drawings for architectural, electrical, circuit, mechanical, or interior design; create/modify graphic elements, storing and retrieving predefined components; and adding text and dimensions.

LSC-Conroe Center
4043 DFTGC 2101401 4001 MW 8/29/15 6:00 pm-10:00 pm CC 215 Close 9/5/2016.

LSC-CyFair
17546 DFTGC 2101401 5002 MW 8/29/19 6:00 pm-10:00 pm CASA 219 Department consent required. Contact the CTE office at a LSC campus to register.
17547 DFTGC 2101401 5003 Th 8/29/15 6:00 pm-10:00 pm CASA 219 Department consent required. Contact the CTE office at a LSC campus to register.
17544 DFTGC 2101401 5001 Sa 8/27/10/1 Mandatory orientation. For information email Randel.H.Dobson@LoneStar.edu. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.

LSC-Kingwood
17545 DFTGC 2101401 2001 M 9/12/11/21 6:30 pm-9:30 pm CLA 106 Class dismisses one hour early during one session.

LSC-Montgomery
4042 DFTGC 2101401 4001 MW 9/7-10/3 6:00 pm-10:00 pm MCE 203 Close 9/5/2016.

AutoCAD, Intermediate
DFTGC 1105000 32 Contact Hours $440
Topics include applications; creating, sorting, and retrieving predefined components; placing, rotating, and scaling components; modifying; rubber banding; adding text and dimensions to drawings; multilayering drawings, grids, orthogonal mode; data storage format for writing auxiliary programs; input and output devices; resolution and physical limitations. Textbook required.

LSC-Conroe Center
4050 DFTGC 1105000 4001 MW 9/26/10/19 6:00 pm-10:00 pm CC 215 Department consent required. Contact the CTE office at a LSC campus to register.

LSC-CyFair
4727 DFTGC 1105000 5003 Th 9/20/10/13 6:00 pm-10:00 pm
4726 DFTGC 1105000 5002 MW 9/26/10/19 6:00 pm-10:00 pm
4725 DFTGC 1105000 5001 Sa 10/8/11/12 Instruction Type: Online.

LSC-Kingwood
5785 DFTGC 1105000 2001 Th 8/29/27 6:30 pm-9:30 pm CLA 106 Class dismisses one hour early during one session.
5786 DFTGC 1105000 2002 Sa 10/15/12/10 8:30 am-12:30 pm CLA 106

LSC-Montgomery
4048 DFTGC 1105000 4001 MW 10/10/11/2 6:00 pm-10:00 pm MCE 203 Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris
2671 DFTGC 1105000 1001 MW 10/10/11/2 DTEC 103

LSC-University Park
17585 DFTGC 1105000 6001 Th 10/11/13 6:00 pm-10:00 pm UPEM 143

AutoCAD, Advanced
DFTGC 1200400 32 Contact Hours $440
Two- and three-dimensional drawings using three-dimensional display options and specifying user-defined coordinate systems. Prerequisites: AutoCAD, Intermediate. Textbook required.

LSC-Conroe Center
4057 DFTGC 1200400 4001 MW 10/31-11/28 6:00 pm-10:00 pm CC 215 Department consent required. Contact the CTE office at a LSC campus to register. Closed 11/23/2016.

LSC-CyFair
4730 DFTGC 1200400 5003 Th 10/18/11/10 6:00 pm-10:00 pm
4729 DFTGC 1200400 5002 MW 10/24/11/16 6:00 pm-10:00 pm
4728 DFTGC 1200400 5001 Sa 11/19/12/24 Instruction Type: Online.

LSC-Kingwood
5788 DFTGC 1200400 2001 Th 10/4/11/8 6:30 pm-9:30 pm CLA 106 Class dismisses one hour early during one session.

LSC-Montgomery
4055 DFTGC 1200400 4001 MW 11/14/12/12 6:00 pm-10:00 pm MCE 203 Department consent required. Contact the CTE office at a LSC campus to register. Closed 11/23/2016.
**CCNP Switch-Implementing IP Switching**

ITCCC 2205501  96 Contact Hours  $258

How to implement, monitor, and maintain switching in converged enterprise campus networks. How to plan, configure, and verify the implementation of complex enterprise switching solutions. How to secure integration of VLANs, WLANs, voice and video into campus networks. This course is linked to ITCC 2355. Prerequisite: College Level Readiness in Reading AND Writing; ITCC 1375, ITCC 1376, ITCC 2378, ITCC 2379 or Cisco CCNA Industry Certification.

LSC-CyFair 17124 ITCCC 2205501  5001 MW 8/29/12-1/8 6:00 pm-9:30 pm  TECH 114

Department consent required. Contact the CTE office at a LSC campus to register.

**Computer Systems, Introduction**

ITSCC 2100628  24 Contact Hours  $336

Introduction to operating systems, file creation/deletion, data entry and manipulation, automatic file execution, configuration, and directory commands. Also addressed are computer systems and their uses in today’s business communities. Instruction in computer terminology, hardware, and application software. The Internet and issues surrounding its use will also be addressed.

LSC-CyFair 4783 ITSCC 2100628  5001 Sa 9/9/9/24  8:00 am-5:00 pm

LSC-Tomball 3014 ITSCC 2100628  3001 AhTh 8/22/8/30  9:00 am-1:00 pm

Laboratory consent required. Contact the CTE office at a LSC campus to register.

**Connecting Networks**

ITCCC 2207902  80 Contact Hours  $240

This course discusses the WAN technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. Students will also develop the knowledge and skills needed to implement IPSec and virtual private network (VPN) operations in a complex network. This course is linked to ITCC 2379.

LSC-Creekside Center 15494 ITCCC 2207902  5001 AhTh 10/24/12-18  6:00 pm-8:20 pm  CS 113

Laboratory ITCCC 2207902  5002 AhTh 10/24/12-18  8:30 pm-11:00 pm  CS 113

Department consent required. Contact the CTE office at a LSC campus to register.

LSC-CyFair 16896 ITCCC 2207902  5003 AhTh 10/24/12-18  6:00 pm-8:20 pm  CS 111

Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-North Harris**

16807 ITCCC 2207902  1001 AhTh 10/24/12-18  5:30 pm-9:50 pm  DTEC 206

Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-Tomball**

16897 ITCCC 2207902  5004 Th 10/24/12-18  8:30 pm-11:00 pm  CS 111

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
<th>Department</th>
<th>Consent Required</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCNP Switch-Implementing IP Switching</td>
<td>How to implement, monitor, and maintain switching in converged enterprise campus networks. How to plan, configure, and verify the implementation of complex enterprise switching solutions. How to secure integration of VLANs, WLANs, voice and video into campus networks. This course is linked to ITCC 2355. Prerequisite: College Level Readiness in Reading AND Writing; ITCC 1375, ITCC 1376, ITCC 2378, ITCC 2379 or Cisco CCNA Industry Certification.</td>
<td>96</td>
<td>ITCCC</td>
<td>No</td>
<td>Online</td>
</tr>
<tr>
<td>Computer Systems, Introduction</td>
<td>Introduction to operating systems, file creation/deletion, data entry and manipulation, automatic file execution, configuration, and directory commands. Also addressed are computer systems and their uses in today’s business communities. Instruction in computer terminology, hardware, and application software. The Internet and issues surrounding its use will also be addressed.</td>
<td>24</td>
<td>ITSCC</td>
<td>No</td>
<td>Online</td>
</tr>
<tr>
<td>Connecting Networks</td>
<td>This course discusses the WAN technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. Students will also develop the knowledge and skills needed to implement IPSec and virtual private network (VPN) operations in a complex network. This course is linked to ITCC 2379.</td>
<td>80</td>
<td>ITCCC</td>
<td>No</td>
<td>Online</td>
</tr>
</tbody>
</table>

Please contact Donna.Ivey@Lonestar.edu for more information. Department consent required. Contact the CTE office at a LSC campus to register.
Design Communications I
ARTCC 2101701 96 Contact Hours $252
Study of design development relating to graphic design terminology, tools and media, and layout and design concepts. Topics include integration of type, images and other design elements, and developing computer skills in industry standard computer programs. This course is linked to ARTC 1317. Prerequisite: ENGL 0305 or ENGL 0316 AND ENGL 0307 or 0326 or 0356, or higher level course (ENGL 1301), or placement by testing.
LSC-Kingwood
15907 ARTCC 2101701 2001 Thu 8/29-12/18 9:30 am-11:50 am ADM 202

Digital Imaging I
ARTCC 2100202 80 Contact Hours $252
Digital imaging using raster image editing and/or image creation software: scanning, resolution, file formats, output devices, color systems, and image-acquisitions. Must have high school diploma, successful completion of GED or be in the early admissions program. This course is linked to ARTC 1302. Prerequisite: Competent knowledge of either Macintosh or Windows operating system.
LSC-Kingwood
15904 ARTCC 2100202 2001 Wed 8/29-12/18 1:30 pm-3:50 pm ADM 202
Class Topic: Instructor: Montefante
LSC-Montgomery
14797 ARTCC 2100202 4301 T 8/29-12/18 6:30 pm-9:00 pm MCF F331
Blended: In person with some online instruction required. Online orientation required. Access your course at www.LoneStar.edu/lsc-online. Instruction Type: Hybrid, Internet.
LSC-North Harris
10375 ARTCC 2100202 1001 MW 8/29-12/18 8:30 am-10:20 am DTEC 111
Use Photoshop. Additional 1 hr/week in open lab. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Computer.
10401 ARTCC 2100202 1003 MW 8/29-12/18 2:00 pm-4:20 pm DTEC 113
Use Photoshop. Additional 1 hr/week in open lab. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Computer.
10415 ARTCC 2100202 1007 F 9/9-12/18 DTEC 111
Use Photoshop. Additional 1 hr/week in open lab. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Computer.
10409 ARTCC 2100202 1005 T 9/9-12/18 6:00 pm-9:50 pm DTEC 113
Use Photoshop. Additional 1 hr/week in open lab. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Computer.

Electrical Drafting
DFTGC 2200701 64 Contact Hours $237
A study of area lighting, control systems and power layouts, electrical and safety codes, load factors and distribution requirements. This course is linked to DFTG 2307.
LSC-Creekside Center
13993 DFTGC 2200701 K001 MW 10/24-12/18 6:30 pm-8:10 pm CS 142
Lab DFTGC 2200701 K002 MW 10/24-12/18 8:20 pm-10:00 pm CS 142
For more information contact Antonius.L.Bom@LoneStar.edu.

Excel I
ITSWC 2102224 16 Contact Hours $232
Instruction in terminology, program parameters, display characteristics, formatting features, mathematical functions, and printing. Create and modify workbooks, format worksheets, create and apply ranges, and create and print reports. Additional topics include using formulas, creating and modifying lines and objects. Prerequisite: Windows or equivalent knowledge.
LSC-Conroe Center
6060 ISWC 2102224 001 MW 10/17-12/16 6:00 pm-10:00 pm
LSC-Creekside Center
15404 ISWC 2102224 K001 MW 11/9-12/16 6:00 pm-10:00 pm
LSC-CyFair
4793 ISWC 2102224 5001 Sa 10/15-12/22 8:00 am-5:00 pm
LSC-Kingwood
5790 ISWC 2102224 001 Thu 10/25-12/16 6:30 pm-8:30 pm
Isitswc 2102224
Start anytime and complete in four weeks! Student must have access to the Internet and email. Access on the student’s computer to the software being studied is useful for practice, but not required. An electronic textbook and other course materials are supplied through an online site operated by the textbook publisher and is required. An additional fee is payable to the publisher for access to these materials. Call 281.312.1660 to register. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.
LSC-Tomball
3218 ISWC 2102224 3001 MW 8/31-9/14 9:00 am-1:00 pm E 160
Excel II
ITSWC 2104606 16 Contact Hours $232
Instruction in moving and copying, cell contents; sorting mathematical, statistical, and financial functions; date and time arithmetic; report generation; and built-in graphics support. Create formulas to generate mathematical functions; create charts and produce reports. Prerequisite: Excel I.
LSC-Conroe Center
6082 ISWC 2104606 001 MW 10/31-11/9 6:00 pm-10:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
LSC-Creekside Center
15405 ISWC 2104606 K001 MW 11/28-12/7 6:00 pm-10:00 pm
LSC-CyFair
4794 ISWC 2104606 5001 Sa 10/29-11/5 8:00 am-5:00 pm
LSC-Kingwood
ISWC 2104606
Start anytime and complete in four weeks! Student must have access to the Internet and email. Access on the student’s computer to the software being studied is useful for practice, but not required. An electronic textbook and other course materials are supplied through an online site operated by the textbook publisher and is required. An additional fee is payable to the publisher for access to these materials. Call 281.312.1660 to register. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.
LSC-Montgomery
ITSWC 2104606
Start anytime and complete in four weeks! Student must have access to the Internet and email. Access on the student’s computer to the software being studied is useful for practice, but not required. An electronic textbook and other course materials are supplied through an online site operated by the textbook publisher and is required. An additional fee is payable to the publisher for access to these materials. Call 281.312.1660 to register. Department consent required. Contact the CTE office at a LSC campus to register.
LSC-Tomball
3218 ISWC 2104606 3001 MW 9/19-9/28 9:00 am-1:00 pm E 160
Information Technology

Gaming Design and Development, Introduction
GAMEC 2100301 80 Contact Hours $213
Introduction to electronic game development and game development careers. Includes examination of history and philosophy of games, the game production process, employee factors for success in the field, and current issues and practices in the game development industry. This course is linked to GAME 1303.

LSC-North Harris
15677 GAMEC 2100301 1001 Su 9/9-12/18 9:00 am-12:50 pm DTEC 113 Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Computer.

HTML I, Web Site Development
ITNWC 2105901 32 Contact Hours $440
This course will focus on the use of the World Wide Web (WWW) and the creation of a home page. Web browsers and Hypertext Markup Language (HTML) are discussed. Plan the content, structure, and layout of a web site that you create using HTML. Includes tables, hot buttons, animations, and comparison of browsers. Prerequisite: Computer Fundamentals or equivalent knowledge.

LSC-Creekside Center
15397 ITNWC 2105901 K001 W 8/31-10/19 6:00 pm-10:00 pm
LSC-Montgomery
1417 ITNWC 2105901 4001 W 9/29-10/28 6:00 pm-10:00 pm Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.

Installing and Configuring Windows Server 2012
ITMTC 2207100 80 Contact Hours $240
Hands on instruction and practice installing and configuring Windows Server 2012, including Windows Server 2012 R2. This course is linked to ITMT 2371.

LSC-Kingwood
16446 ITMTC 2207100 2001 T 8/29-10/23 6:00 pm-9:50 pm ADM 201

Introduction to Networks
ITCCC 2107502 80 Contact Hours $240
Introduce the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. This course is linked to ITCC 1375.

LSC-Creekside Center
15471 ITCCC 2107502 K001 MW 8/29-10/23 6:00 pm-8:20 pm CS 111 Lab ITCCC 2107502 K002 MW 8/29-10/23 8:30 pm-11:00 pm CS 111 Department consent required. Contact the CTE office at a LSC campus to register.

LSC-CyFair
17356 ITCCC 2107502 5003 MW 8/29-10/23 5:30 pm-10:30 pm TECH 118 Please contact Donna.Ivey@Lonestar.edu for more information. Department consent required. Contact the CTE office at a LSC campus to register.

IT Essentials
ITSCC 2107101 80 Contact Hours $240
IT Essentials curriculum provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level Information and Communications Technology (ICT) professionals. The curriculum covers the fundamentals of computer hardware and software as well as advanced concepts such as security, networking, and the responsibilities of an ICT professional. This course is linked to ITSC 1371.

LSC-Kingwood
16422 ITSCC 2107101 2001 TTh 8/29-10/12 6:00 pm-8:20 pm LIB 226 Instruction Type: Hybrid, Internet.
Lab ITSCC 2107101 2002 8/29-10/12 Mandatory Lab on Thursdays 6:00-8:20. Students must have access to the Internet. This course is prep for the CompTIA A+ certification exam.

Lighting for Film or Video
FLMCC 2100401 96 Contact Hours $240
Lighting techniques for film or video production. This course is linked to FLMC 1304. Prerequisite: ENGL 0305 or ENGL 0316 AND ENGL 0307 or 0326 or 0356, OR higher level course (ENGL 1301), OR placement by testing.

LSC-Montgomery
15120 FLMCC 2100401 4001 MW 8/29-12/18 2:00 pm-4:50 pm TEM T112

Linux Installation and Configuration
ITSCC 2101600 80 Contact Hours $240
Introduction to Linux operating system. Includes Linux installation, basic administration, utilities and commands, upgrading, networking, security, and application installation. Emphasizes hands-on setup, administration, and management of Linux. This course is linked to ITSC 1316.

LSC-Kingwood
16427 ITSCC 2101600 2001 M 8/29-12/18 6:00 pm-8:20 pm ADM 201 Mandatory Lab on Mondays 6:00-8:20. Students must have access to the Internet. Offered FALL ONLY. Instruction Type: Hybrid, Internet.
Networking Technologies, Fundamentals
ITNW 2102501 80 Contact Hours $252
Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software. This course is linked to ITNW 1325. Prerequisite: ITSC or COSC 1301.

LSC-Kingwood
16420 ITNW 2102501 2803 8/29/18
100% online course; students must have access to the Internet. This course is prep for the CompTIA Network+ exam. Access your online course at www.LoneStar.edu/lsconline. Instruction Type: Online.

Photoshop I
ITSWC 2100302 16 Contact Hours $232
Graphics software for image enhancement, photo retouching, and image composition. Apply the basics of digital imaging, and use of common tools, palettes, and commands for manipulating images and compressing them for the fastest downloads. Prerequisites: Computer Fundamentals or equivalent knowledge required.

LSC-Kingwood
ITSWC 2100302
Start anytime and complete in four weeks! Call 281.312.1660 to register. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.

Photoshop I for Web
GRPHC 2109201 24 Contact Hours $336
Course content with focused modules on Copyright Law and licensing considerations, web graphic formats, image layers and blending, image export and delivery. 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 in web design and web development. Participants must have high school diploma or successful completion of the GED.

LSC-Creekside Center
15391 GRPHC 2109201 K001 Th 9/8-10/13 6:00 pm-10:00 pm
LSC-Montgomery
1418 GRPHC 2109201 4001 W 10/5-10/26 6:00 pm-10:00 pm
Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.

Photoshop II
GRPHC 2109104 16 Contact Hours $232
Develop your skills as you explore photo manipulation and illustration techniques. Topics include: photograph combination, embossing, masking, channel techniques, type, add colorizing B&W photographs. Prerequisite: Photoshop I.

LSC-Kingwood
GRPHC 2109104
Start anytime and complete in four weeks! Call 281.312.1660 to register. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.

Photoshop II for Web
GRPHC 2109200 24 Contact Hours $336
Course content with focused modules on typographical design, vector drawing techniques, advanced filtering and creating a professional web gallery. 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 in web design and web development.

LSC-Creekside Center
15386 GRPHC 2109200 K001 Th 10/29-12/1 6:00 pm-10:00 pm

PowerPoint I
ITSWC 2103702 16 Contact Hours $232
Introduction to computerized presentation graphics that leads the participant through planning, design, and production of business graphics and charts. Presentation files are produced utilizing multimedia software. Microsoft PowerPoint is used to create dynamic presentations that incorporate special effects. Prerequisite: Windows or equivalent knowledge.

LSC-Kingwood
ITSWC 2103702
Start anytime and complete in four weeks! Student must have access to the Internet, an email account, and the 2013 version of the software being studied. An electronic textbook and other course materials are supplied through an online site operated by the textbook publisher and is required. An additional fee is payable to the publisher for access to these materials. Call 281.312.1660 to register. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.

LSC-Tomball
3023 ITSWC 2103702 3001 Th 10/4-10/13 6:00 pm-10:00 pm $160
PowerPoint II
ITSWC 2104102  16 Contact Hours  $232
Create and modify multimedia presentations complete with slides, charts, and special effects. Microsoft PowerPoint is used to create dynamic presentations for demonstrations and the Web using graphs, charts, hyperlinks, objects, and timings. Prerequisite: PowerPoint I or equivalent knowledge.

LSC-Kingwood
ITSWC 2104102
Start anytime and complete in four weeks! Student must have access to the Internet, an email account, and the 2013 version of the software being studied. An electronic textbook and other course materials are supplied through an online site operated by the textbook publisher and is required. An additional fee is payable to the publisher for access to these materials. Call 281.312.1660 to register. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Online.

LSC-Tomball
7287  ITSWC 2104102 3001 Tht 10/18-10/27  6:00 pm-10:00 pm  $ 160

Routing and Switching Essentials
ITCCC 2107602  80 Contact Hours  $240
This course describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, STP, and VTP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement DHCP and DNS operations in a network. This course is linked to ITCCC 1376.

LSC-Creekside Center
15474  ITCCC 2107602 K001  MW 10/24-12/18  8:00 am-10:20 am  CS 113
Lab ITCCC 2107602 K002  MW 10/24-12/18  10:30 am-1:00 pm  CS 113
Department consent required. Contact the CTE office at a LSC campus to register.
15477  ITCCC 2107602 K003  MW 10/24-12/18  6:00 pm-8:20 pm  CS 111
Lab ITCCC 2107602 K004  MW 10/24-12/18  8:30 pm-11:00 pm  CS 111
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-CyFair
17366  ITCCC 2107602 5001 TTh 8/29-10/23  5:30 pm-10:30 pm  TECH 116
Please contact Donna.ivey@lonestar.edu for more information. Department consent required. Contact the CTE office at a LSC campus to register.
17375  ITCCC 2107602 5002 TTh 8/29-10/23  5:30 pm-10:30 pm  TECH 116
Please contact Donna.ivey@lonestar.edu for more information. Department consent required. Contact the CTE office at a LSC campus to register.
17349  ITCCC 2107602 5003 Th 10/24-12/18  5:30 pm-10:30 pm  TECH 116
Please contact Donna.ivey@lonestar.edu for more information. Department consent required. Contact the CTE office at a LSC campus to register.
17372  ITCCC 2107602 5005 F 10/28-12/18  5:30 pm-10:30 pm  TECH 118
Please contact Donna.ivey@lonestar.edu for more information. Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood
13755 ITCCC 2107602 2001 TTh 10/24-12/18  1:30 pm-4:50 pm  LIB 226
8 week course: 10/24-12/18. 2nd of 4 Cisco CCNA classes. This is a hybrid course with mandatory class time T/Th 1:30-4:50. Students must have Internet access. Offered FALL ONLY.
13761 ITCCC 2107602 2003 TTh 10/24-12/18  8:00 am-10:30 am  TECH 116
8 week course: 10/24-12/18. 2nd of 4 Cisco CCNA classes. This is a hybrid course with mandatory class time T/Th 1:30-4:50. Students must have Internet access. Offered FALL ONLY.

LSC-North Harris
16802 ITCCC 2107602 1001 MW 10/24-12/18  5:30 pm-9:50 pm  DTEC 206
Department consent required. Contact the CTE office at a LSC campus to register.

Scaling Networks
ITCCC 2207802  80 Contact Hours  $240
This course describes the architecture, components, and operations of routers and switches in a larger and more complex network. Students learn how to configure routers and switches for advanced functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, STP, and VTP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement DHCP and DNS operations in a network. This course is linked to ITCCC 2378.

LSC-Creekside Center
15479 ITCCC 2207802 K001 MW 8/29-10/23  6:00 pm-8:20 pm  CS 113
Lab ITCCC 2207802 K002 MW 8/29-10/23  8:30 pm-11:00 pm  CS 113
Department consent required. Contact the CTE office at a LSC campus to register.
16893 ITCCC 2207802 K003 Th 8/29-10/23  6:00 pm-8:20 pm  CS 111
Lab ITCCC 2207802 K004 Th 8/29-10/23  8:30 pm-11:00 pm  CS 111
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-CyFair
13650 ITCCC 2207802 5001 TTh 8/29-10/23  5:30 pm-10:30 pm  TECH 118
Please contact Donna.ivey@lonestar.edu for more information. Department consent required. Contact the CTE office at a LSC campus to register.
13652 ITCCC 2207802 5003 MW 10/24-12/18  5:30 pm-10:30 pm  TECH 116
Please contact Donna.ivey@lonestar.edu for more information. Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris
16804 ITCCC 2207802 1001 Th 8/29-10/23  5:30 pm-9:50 pm  DTEC 206
Department consent required. Contact the CTE office at a LSC campus to register.

SEO: Analytics and Tracking
ITNWC 2109100  16 Contact Hours  $232
Students develop skill set to survey search engines and indexes using tools including Google, Woopra and others. Develop SEO best practices. 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. Participants must have high school diploma or successful completion of the GED.

LSC-Montgomery
1182 ITNWC 2109100 4001 T 8/30-9/6  6:00 pm-10:00 pm
Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.

SolidWorks I
DFTGC 1109102  30 Contact Hours  $414
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. This course addresses training in the design software SolidWorks. AutoCAD is highly recommended but not required to take SolidWorks. Textbook required.

LSC-University Park
14152 DFTGC 1109102 6001 Th 10/18-11/10  6:00 pm-10:00 pm
SolidWorks I
DFTGC 2109120 30 Contact Hours $414
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Addresses training in the design software SolidWorks.

LSC-CyFair
17552 DFTGC 2109120 5001 MW 9/12/10-12 6:00 pm-9:00 pm CASA 219
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood
17550 DFTGC 2109120 2001 M 9/12/11-14 6:30 pm-9:30 pm CLA 106

LSC-North Harris
2705 DFTGC 2109120 1001 TTh 9/6-10/6 6:00 pm-9:00 pm DTEC 103

LSC-University Park
7049 DFTGC 2109120 6001 Sa 9/10-10/8 9:00 am-3:00 pm UP-EMI 214
7065 DFTGC 2109120 6002 Sa 10/29-12/17
Instruction Type: Online.

SolidWorks II
DFTGC 1109101 30 Contact Hours $414
This course was designed to be repeated multiple times to improve student proficiency. This course addresses training in a more advanced level of the design software SolidWorks. Textbook required.

LSC-CyFair
4733 DFTGC 1109101 5001 MW 10/17-11/16 6:00 pm-9:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood
2701 DFTGC 1109101 1001 TTh 10/17-11/10 6:00 pm-9:00 pm DTEC 103

LSC-North Harris
17587 DFTGC 1109101 6002 Sa 10/22-11/19 9:00 am-3:00 pm UP-EMI 214
17590 DFTGC 1109101 6003 Sa 10/29-12/17
Instruction Type: Online.

Web Page Creation - Online
IMEDC 2100201 32 Contact Hours $440
Web site creation with graphic elements. Includes use of Web authoring software and study of websites and browsers. Design, layout and publishing techniques for Web documents. Utilizes techniques for developing tables and forms using HTML and Dreamweaver. Prerequisite: Internet browser and email experience. Requirements: Internet access and email. Student must have access to the MX version of Dreamweaver or greater.

LSC-Kingwood
IMEDC 2100201
Start anytime and complete in eight weeks! Call 281.312.1660 to register.
Department consent required. Contact the CTE office at a LSC campus to register.
Instruction Type: Online.

Windows 7 Client Configuration 70-680
ITMTC 2107001 80 Contact Hours $249
This course provides an in-depth understanding of the Microsoft Windows 7 operating system with a specific focus on implementation and desktop support needs for the clients in a variety of stand-alone and network operating system environments. Topics covered include installation, user and group accounts, security, networking, TCP/IP, built in applications, and advanced configuration and troubleshooting techniques. This course prepares Information Technology professionals to plan, install, configure, implement, secure, support and manage Microsoft Windows 7. This course is linked to ITMT 1370.

LSC-Kingwood
16443 ITMTC 2107001 2001

Word I
POFIC 2102406 16 Contact Hours $232
Introduction to word processing terminology, editing functions, formatting, and special text options. Prerequisite: Computer Fundamentals or equivalent knowledge. USB drive required.

LSC-CyFair
4795 POFIC 2102406 5001 Sa 11/12-11/19 8:00 am-5:00 pm

LSC-Kingwood
5793 POFIC 2102406 2001 TTh 9/20-10/13 6:30 pm-8:30 pm
4795 POFIC 2102406
Start anytime and complete in four weeks! Student must have access to the Internet, an email account, and the 2013 version of the software being studied. An electronic textbook and other course materials are supplied through an online site operated by the textbook publisher and is required. An additional fee is payable to the publisher for access to these materials. Call 281.312.1660 to register. Department consent required. Contact the CTE office at a LSC campus to register.
Instruction Type: Online.

LSC-Tomball
7311 POFIC 2102406 3001 TTh 9/6-9/15 6:00 pm-10:00 pm E 160
7314 POFIC 2102406 3002 M-Th 12/5-12/8 9:00 am-1:00 pm E 160

Word II
POFIC 2104202 16 Contact Hours $232
Word processing production techniques. Includes search and replace functions, headers and footers, mail merge, file functions, and printer setup. Prerequisite: Word I.

LSC-Kingwood
POFIC 2104202
Start anytime and complete in four weeks! Student must have access to the Internet, an email account, and the 2013 version of the software being studied. An electronic textbook and other course materials are supplied through an online site operated by the textbook publisher and is required. An additional fee is payable to the publisher for access to these materials. Call 281.312.1660 to register. Department consent required. Contact the CTE office at a LSC campus to register.
Instruction Type: Online.

LSC-Tomball
7315 POFIC 2104202 3001 TTh 9/20-9/29 6:00 pm-10:00 pm E 160
7319 POFIC 2104202 3002 M-Th 12/12-12/15 9:00 am-1:00 pm E 160
Word Complete - Online
POFIC 2202501 48 Contact Hours $657
Word Processing application to produce mailable documents. This course is designed to prepare students for the Microsoft Office Specialist Word Core/Microsoft Office Specialist Word Expert/Microsoft Certified Application Specialist Word exams. Student must have access to the internet, e-mail and the version of Microsoft Word required for course. Certification exam fee not included.

LSC-Kingwood
POFIC 2202501
Start anytime and complete in 12 weeks! Student must have access to the Internet, an email account, and the 2013 version of the software being studied. An electronic textbook and other course materials are supplied through an online site operated by the textbook publisher and is required. An additional fee is payable to the publisher for access to these materials. Call 281.312.1660 to register. Instruction Type: Online.

Wordpress I
ITSEC 2109151 24 Contact Hours $336
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Identifying the factors for a data driven site with CMS vs. a Static Site including review of all the options of WordPress, Joomla and Drupal. Recognizing the components and practical usage of WordPress.

LSC-Creekside Center
15403 ITSEC 2109151 K001 W 10/26-12/7 6:00 pm-10:00 pm
LSC-Montgomery
1419 ITSEC 2109151 4001 W 11/2-11/30 6:00 pm-10:00 pm
Department consent required. Contact the CTE office at a LSC campus to register. Closed 11/25/16. Instruction Type: Hybrid, Internet.

WANTED: Subject matter experts who want to teach!
Have you ever wanted to use your job skill or hobby to teach others? We are looking for experience in the following areas:

- AutoCAD/Solid Works
- Blueprint Reading
- Dental Assisting
- Diesel Technology
- Electricity
- English for Speakers of Other Languages (ESOL)
- Entrepreneurship
- Excel (Advanced)
- Global Logistics
- Lean Six Sigma
- Machining/CNC
- Management
- Nurse Aide
- Oil/Gas Drilling
- Oracle DBA
- Phlebotomy
- Professional Truck Driving
- QuickBooks
- SAT Review
- Technical Math
- Web Design/Developer
- Welding

For more information, contact the Corporate College or Career & Technical Education office closest to you.

CorporateCollege@LoneStar.edu  LSCCE@LoneStar.edu
Overview

If you are a natural leader who wants to serve and protect your community, you might be a great fit for a public safety career. Lone Star College offers Career and Technical Education programs to help you get your certification for careers that are both fast-paced and rewarding.

With a career in public safety, you could work in law enforcement, corrections or security. You could also have a career as a police officer, a deputy sheriff, a security guard, or as an emergency medical first responder.

At Lone Star College, you will learn specialized skills specific to your field, whether it be understanding penal codes, writing proper reports, assessing the medical needs of a patient, or performing essential medical care. In addition, Lone Star College will prepare you to take your required basic emergency medical technician or Texas Commission on Law Enforcement (TCOLE) examinations so you can enter the workforce.

For more information, including course listings for each program, go to LoneStar.edu/LEA. You can also call 281.290.5025.

Programs

**Emergency Medical Technician (EMT), Basic**
See Health Science page 46

**Law Enforcement Officer (TCOLE) Certification**

<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Peace Officer I</td>
<td>175</td>
<td>$733</td>
</tr>
<tr>
<td>Basic Peace Officer II</td>
<td>175</td>
<td>$733</td>
</tr>
<tr>
<td>Basic Peace Officer III</td>
<td>175</td>
<td>$733</td>
</tr>
<tr>
<td>Basic Peace Officer IV</td>
<td>175</td>
<td>$733</td>
</tr>
</tbody>
</table>

Linked with a credit course. See page 5 for requirements.
Basic Peace Officer II
CJLEC 2101202  175 Contact Hours  $733
Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer I, III, & IV to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Training Academy. ***THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS LICENSED AS A POLICE ACADEMY BY Texas Commission on Law Enforcement.***

LSC-University Park
3917  CJLEC  2101202  6001  M-Th  8/23-9/29  7:00 am-4:15 pm  UP12 116
Department consent required. Contact the CTE office at a LSC campus to register.

Basic Peace Officer III
CJLEC 2101802  175 Contact Hours  $733
Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer I, II, IV, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Academy. ***THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS LICENSED AS A POLICE ACADEMY BY Texas Commission on Law Enforcement.***

LSC-University Park
3921  CJLEC  2101802  6001  M-Th  10/3-11/8  7:00 am-4:15 pm  UP12 116
Department consent required. Contact the CTE office at a LSC campus to register.

Basic Peace Officer IV
CJLEC 2102402  175 Contact Hours  $733
Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer I, II, III, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Training Academy. ***THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS LICENSED AS A POLICE ACADEMY BY Texas Commission on Law Enforcement.***

LSC-University Park
1015  CJLEC  2102402  6001  M-Th  9/14-12/15  6:00 pm-10:00 pm
Part-time night class cohort. Department consent required. Contact the CTE office at a LSC campus to register.
3924  CJLEC  2102402  6002  M-Th  11/9-12/20  7:00 am-4:15 pm  UP12 116
Department consent required. Contact the CTE office at a LSC campus to register.

The Law Enforcement Academy prepares students for the state’s licensing exam with its Basic Peace Officer courses. The academy meets the Texas Commission on Law Enforcement Officer Standards and Education (TCOLE) requirements.
- Day and night classes available
- Background and fingerprint check required
- Applications due six weeks before start of class

For more information, call 281.290.5025 or visit: LoneStar.edu/LEA
Overview

People who work in the transportation, distribution, and logistics industry are responsible for managing the flow of goods, material, information and people between a point of origin and a point of consumption. This growing career sector includes air, rail, water and truck transportation, urban transit and ground passenger transportation, warehousing and storage, and motor vehicle repair.

Through Lone Star College’s Career and Technical Education programs, you can become a professional truck driver, automotive technician, diesel technician or become certified in logistics.

As an additional opportunity Lone Star College offers a separate professional truck driver program in an intensive 3-week format that guarantees employment to those who successfully complete and meet the eligibility requirements.

Schedule an orientation today to see which Professional Truck Driver (CDL) program is best for you! For more information, call 281.765.7750.

Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td><strong>Automotive Technician</strong></td>
<td></td>
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<tr>
<td>Automotive Technology, Introduction</td>
<td>112 h</td>
<td>$326</td>
</tr>
<tr>
<td>Automotive Electrical Systems</td>
<td>112 h</td>
<td>$326</td>
</tr>
<tr>
<td>Automotive Brake Systems</td>
<td>112 h</td>
<td>$326</td>
</tr>
<tr>
<td><strong>General Automotive Service Technician</strong></td>
<td></td>
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<tr>
<td>544 hours, $1,554</td>
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<td></td>
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<tr>
<td><strong>Automotive Technology - Plus</strong></td>
<td></td>
<td></td>
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<tr>
<td>Steering &amp; Suspension Systems</td>
<td>112 h</td>
<td>$302</td>
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<tr>
<td>Automotive Services</td>
<td>96 h</td>
<td>$232</td>
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<tr>
<td><strong>Certified Logistics Associate</strong></td>
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<tr>
<td>Global Logistics</td>
<td>36 h</td>
<td>$530</td>
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<tr>
<td>MSSC Certified Logistics Associate Test</td>
<td>3 h</td>
<td>$153</td>
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<tr>
<td><strong>Certified Logistics Technician</strong></td>
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<tr>
<td>Global Logistics</td>
<td>36 h</td>
<td>$530</td>
</tr>
<tr>
<td>MSSC Certified Logistics Technician Test</td>
<td>3 h</td>
<td>$153</td>
</tr>
<tr>
<td><strong>Professional Truck Driver (CDL)</strong></td>
<td></td>
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</tr>
<tr>
<td>Commercial Drivers License Written Skills</td>
<td>64 h</td>
<td>$929</td>
</tr>
<tr>
<td>Professional Truck Driver I</td>
<td>80 h</td>
<td>$1,153</td>
</tr>
<tr>
<td>Professional Truck Driver II</td>
<td>80 h</td>
<td>$1,153</td>
</tr>
<tr>
<td>Commercial Drivers License Exam Preparation</td>
<td>16 h</td>
<td>$248</td>
</tr>
</tbody>
</table>

Linked with a credit course. See page 5 for requirements.
Automotive Brake Systems

AUMTC 2101001 112 Contact Hours $326
Operation and repair of drum/disk type brake systems. Emphasis on safe use of modern equipment. Topics include break theory, diagnosis and repair of power, manual, anti-lock brake systems, and parking brakes. May be taught manufacturer specific. This course is linked to AUMT 1410. Must have high school diploma, successful completion of GED or be in the early admissions program.
Prerequisite: Automotive Electrical Systems.

LSC-Conroe Center
17514 AUMTC 2101001 C081 M Th 8/29/10/23 11:00 am-1:30 pm
Hybrid class requires some online participation. Class held 8/29/2016-10/23/2016 at LSC-Conroe Center. Instruction Type: Hybrid, Internet.

LSC-North Harris
15458 AUMTC 2101001 1003 MW 8/29/12/18 8:30 am-11:30 am APTC 128
Registration requires online application and departmental approval. To apply go to http://fs4.formsite.com/sheclay/form4/index.html. To register see advisors in AT102. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
15456 AUMTC 2101001 1001 T Th 8/29/12/18 8:00 am-11:00 am APTC 130
Registration requires online application and departmental approval. To apply go to http://fs4.formsite.com/sheclay/form4/index.html. To register see advisors in AT102. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.

Automotive Electrical Systems

AUMTC 2100701 112 Contact Hours $326
An overview of automotive electrical systems including topics in operational theory, testing, diagnosis, and repair of batteries, charging and starting systems, and electrical accessories. Emphasis on electrical schematic diagrams and service manuals. May be taught manufacturer specific. Must have high school diploma, successful completion of GED or be in the early admissions program. This course is linked to AUMT 1407.

LSC-Conroe Center
17508 AUMTC 2100701 C081 M Th 10/24/12/18 7:00 am-9:30 am
Hybrid class requires some online participation. Class held 10/24/2016-12/18/2016 at LSC-Conroe Center. Instruction Type: Hybrid, Internet.
17512 AUMTC 2100701 C981 M Th 10/24/12/18 2:30 pm-5:00 pm
Hybrid class requires some online participation. Class held 10/24/2016-12/18/2016 at LSC-Conroe Center. Instruction Type: Hybrid, Internet.
17510 AUMTC 2100701 C083 M Th 10/24/12/18 6:00 pm-8:30 pm
Hybrid class requires some online participation. Class held 10/24/2016-12/18/2016 at LSC-Conroe Center. Instruction Type: Hybrid, Internet.

LSC-North Harris
15449 AUMTC 2100701 1001 MW 8/29/12/18 12:00 pm-3:00 pm APTC 130
Registration requires online application and departmental approval. To apply go to http://fs4.formsite.com/sheclay/form4/index.html. To register see advisors in AT102. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
15452 AUMTC 2100701 1003 T Th 8/29/12/18 12:30 pm-3:30 pm APTC 125
Registration requires online application and departmental approval. To apply go to http://fs4.formsite.com/sheclay/form4/index.html. To register see advisors in AT102. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
15454 AUMTC 2100701 1005 T Th 8/29/12/18 6:30 pm-9:30 pm APTC 130
Registration requires online application and departmental approval. To apply go to http://fs4.formsite.com/sheclay/form4/index.html. To register see advisors in AT102. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.

Automotive Engine Repair

AUMTC 2101901 112 Contact Hours $326
Fundamentals of engine operations, diagnosis and repair including lubrication systems and cooling systems. Emphasis on overhaul of selected engines, identification and inspection, measurements, and disassembly, repair, and reassembly of the engine. May be taught manufacturer specific. Must have high school diploma, successful completion of GED or be in the early admissions program. This course is linked to AUMT 1419.
Prerequisite: Intro to Automotive Technology.

LSC-North Harris
16748 AUMTC 2101901 1001 MW 8/29/12/18 8:00 am-11:00 am APTC 126
To register see advisors in AT 102. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.

Automotive Technology, Introduction

AUMTC 2100501 112 Contact Hours $326
An introduction to the automotive industry including automotive history, safety practices, shop equipment and tools, vehicle subsystems, service publications, fasteners, professional responsibilities, and automotive maintenance. May be taught manufacturer specific. Must have high school diploma, successful completion of GED or be in the early admissions program. This course is linked to AUMT 1405.

LSC-Conroe Center
17502 AUMTC 2100501 C081 M Th 8/29/10/23 7:00 am-9:30 am APTC 130
Registration requires online application and departmental approval. To apply go to http://fs4.formsite.com/sheclay/form4/index.html. To register see advisors in AT102. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
17506 AUMTC 2100501 C083 M Th 8/29/10/23 2:30 pm-5:00 pm
Hybrid class requires some online participation. Class held 8/29/2016-10/23/2016 at LSC-Conroe Center. Instruction Type: Hybrid, Internet.
17504 AUMTC 2100501 C085 M Th 8/29/10/23 6:00 pm-8:30 pm
Instruction Type: Hybrid, Internet.

LSC-North Harris
15440 AUMTC 2100501 1001 MW 8/29/12/18 8:00 am-11:00 am APTC 130
Registration requires online application and departmental approval. To apply go to http://fs4.formsite.com/sheclay/form4/index.html. To register see advisors in AT102. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
15445 AUMTC 2100501 1005 MW 8/29/12/18 6:30 pm-9:30 pm APTC 130
Registration requires online application and departmental approval. To apply go to http://fs4.formsite.com/sheclay/form4/index.html. To register see advisors in AT102. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
15442 AUMTC 2100501 1003 T Th 8/29/12/18 8:30 am-11:30 am APTC 125
Registration requires online application and departmental approval. To apply go to http://fs4.formsite.com/sheclay/form4/index.html. To register see advisors in AT102. Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
Commercial Drivers License Exam Preparation
CVOPC 2101500 16 Contact Hours $248
Preparation for the federally mandated Commercial Drivers License Examination. CDL Class “A”. This course is a component of the preparation required for testing and issuance of a commercial driver’s license, Class A from the Texas Department of Public Safety.

Offsite - In District
1566 CVOPC 2101500 1026 MTh 8/29/19-9/19/19 7:00 am-3:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
1547 CVOPC 2101500 1023 MTh 8/29/19-9/19/19 7:00 am-3:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
1565 CVOPC 2101500 1022 MTh 9/19/19-10/29/19 7:00 am-5:00 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
2029 CVOPC 2101500 1030 TW 9/27/19-10/29/19 7:00 am-8:20 am TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.

Commercial Drivers License Written Skills
CVOPC 2100500 64 Contact Hours $929
Overview of the State of Texas Class A Commercial Drivers License written test. In depth coverage of air brakes, combination vehicle, double and triples, tankers and hazardous materials. Includes preparation for mastery of the Commercial Drivers License written examination. Textbooks, license and permit fees are not included in the cost of the course. Day and weekend classes are available. For further information on how to register, please call (281) 765.7750. Student support specialists will help you complete registration. This course is a component of the preparation required for testing and issuance of a Commercial Driver’s License, Class A from the Texas Department of Public Safety.

Offsite - In District
2041 CVOPC 2100500 1034 MTh 9/19/19-10/10/19 7:00 am-3:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
2046 CVOPC 2100500 1036 MTh 10/10/19-11/11/19 7:00 am-3:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
16607 CVOPC 2100500 1040 MTh 11/11/19-12/12/19 7:00 am-3:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.

Professional Truck Driver I
CVOPC 2101300 80 Contact Hours $1153
Overview of the State of Texas Class A Commercial Driver’s License written test. Includes presentation for mastery of the Commercial Driver’s License written examination, general truck driving skills with hands-on component, and instruction coordinated with the Department of Transportation. This course provides the trainee with the basic knowledge and skills test which includes pre-trip inspection, basic control skills test, straight line backing, parallel parking and alley docking. The purpose of the Commercial Driver’s License is to certify basic skills in actually operating a commercial vehicle. Day and weekend classes are available. For further information on how to register, please call 281.765.7750. Student support specialists will help you complete registration. Commercial Driver’s License Written Skills, Professional Truck Driver I, Professional Truck Driver II, and Commercial Driver’s License Exam Preparation must be taken concurrently.

Offsite - In District
2022 CVOPC 2101300 1030 MTh 8/29/19-9/19/19 7:00 am-4:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
2037 CVOPC 2101300 1032 MTh 9/19/19-10/19/19 7:00 am-5:00 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
2042 CVOPC 2101300 1034 MTh 9/19/19-10/19/19 7:00 am-4:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
2047 CVOPC 2101300 1036 MTh 10/19/19-11/19/19 7:00 am-4:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
16608 CVOPC 2101300 1040 MTh 12/5/19-1/6/20 7:00 am-4:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.

Professional Truck Driver II
CVOPC 2104001 80 Contact Hours $1153
A continuation of Professional Truck Driver I. General truck driving with hands-on skill development and instruction coordinated with the Department of Transportation. This course provides the trainee with the basic knowledge and skills test which includes pre-trip inspection, basic control skills test, driving. The purpose of the Commercial Driver’s License is to certify basic skills in actually operating a commercial vehicle. Day and weekend classes are available. For further information on how to register, please call 281.765.7750. Student support specialists will help you complete registration. Commercial Driver’s License Written Skills, Professional Truck Driver I, Professional Truck Driver II, and Commercial Driver’s License Exam Preparation must be taken concurrently.

Offsite - In District
2025 CVOPC 2104001 1030 MTh 8/29/19-9/19/19 7:00 am-4:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
2026 CVOPC 2104001 1031 MTh 8/29/19-9/19/19 7:00 am-4:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
2038 CVOPC 2104001 1032 MTh 9/19/19-10/19/19 7:00 am-5:00 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
2039 CVOPC 2104001 1033 MTh 9/19/19-10/19/19 7:00 am-5:00 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
2043 CVOPC 2104001 1034 MTh 9/19/19-10/19/19 7:00 am-4:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
2044 CVOPC 2104001 1035 MTh 9/19/19-10/19/19 7:00 am-4:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
2048 CVOPC 2104001 1036 MTh 10/19/19-11/19/19 7:00 am-4:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
2049 CVOPC 2104001 1037 MTh 10/19/19-11/19/19 7:00 am-4:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
16609 CVOPC 2104001 1040 MTh 12/5/19-1/6/20 7:00 am-4:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.
16610 CVOPC 2104001 1041 MTh 12/5/19-1/6/20 7:00 am-4:30 pm TRANS INST 102
Department consent required. Contact the CTE office at a LSC campus to register.

Suspension and Steering
AUMTC 2101601 112 Contact Hours $326
The course covers the theory and operation of automotive suspension and steering systems including tire and wheel problem diagnosis, component repair, and alignment procedures. May be taught manufacturer specific. This course is linked to AUMT 1416. Student must have high school diploma, successful completion of GED or be in the early admissions program. Prerequisite: Automotive Electrical Systems.
Professional Truck Driver (CDL) Grant Opportunity

As an additional opportunity Lone Star College offers a separate professional truck driver program in an intensive 3-week format that guarantees employment to those who successfully complete and meet the eligibility requirements. Classes below are part of this grant funded intensive schedule. Schedule an orientation today to see if you meet the eligibility requirements to join this Professional Truck Driver (CDL) program. For more information, call 281.765.7750.

Professional Truck Driver I
CVOPC 1101301 80 Contact Hours
Funding available check with Continuing Education Office
Overview of the State of Texas Class A Commercial Driver’s License written test. Includes preparation for mastery of the Commercial Driver’s License written examination, general truck driving skills with hands-on skill component, and instruction coordinated with the Department of Transportation. This course provides the trainee with the basic knowledge and skills test which includes pre-trip inspection, basic control skills test, and road test. The purpose of the Commercial Driver’s License is to certify basic skills in actually operating a commercial vehicle. Professional Truck Driver I Permit A and Professional Truck Driver II Permit A must be taken concurrently.

Offsite - In District
17567 CVOPC 1101301 1158 MWF 8/29/12-8/29/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17568 CVOPC 1101301 1159 MWF 8/29/12-8/29/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17569 CVOPC 1101301 1160 MWF 9/6/12-9/6/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17570 CVOPC 1101301 1161 MWF 9/12/12-9/12/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17571 CVOPC 1101301 1162 MWF 9/19/12-9/19/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17572 CVOPC 1101301 1163 MWF 9/26/12-9/26/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17573 CVOPC 1101301 1164 MWF 10/3/12-10/3/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17574 CVOPC 1101301 1165 MWF 10/10/12-10/10/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.

Professional Truck Driver II
CVOPC 1104001 50 Contact Hours
Funding available check with Continuing Education Office
A continuation of Professional Truck Driver I. General truck driving with hands-on skill development and instruction coordinated with the Department of Transportation. Students will test at the Department of Public Safety and be issued upon successful completion a Commercial Driver License “A”.

Offsite - In District
17558 CVOPC 1104001 1156 MWF 8/28/12-8/28/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17559 CVOPC 1104001 1157 MWF 8/29/12-8/29/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17560 CVOPC 1104001 1158 MWF 9/5/12-9/5/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17561 CVOPC 1104001 1159 MWF 9/12/12-9/12/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17562 CVOPC 1104001 1160 MWF 9/19/12-9/19/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17563 CVOPC 1104001 1161 MWF 9/26/12-9/26/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17564 CVOPC 1104001 1162 MWF 10/3/12-10/3/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17565 CVOPC 1104001 1163 MWF 10/10/12-10/10/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17566 CVOPC 1104001 1164 MWF 10/17/12-10/17/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17567 CVOPC 1104001 1165 MWF 10/24/12-10/24/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17568 CVOPC 1104001 1166 MWF 10/31/12-10/31/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17569 CVOPC 1104001 1167 MWF 11/7/12-11/7/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17570 CVOPC 1104001 1168 MWF 11/14/12-11/14/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17571 CVOPC 1104001 1169 MWF 11/21/12-11/21/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17572 CVOPC 1104001 1170 MWF 11/28/12-11/28/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17573 CVOPC 1104001 1171 MWF 12/5/12-12/5/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
17574 CVOPC 1104001 1172 MWF 12/12/12-12/12/12 7:00 am-5:30 pm TRANS INST 101 Department consent required. Contact the CTE office at a LSC campus to register.
Industry Certification & Exam Prep

Overview

Lone Star College’s Career and Technical Education industry certification prep programs can help you stand out to current or potential employers because you will be trained and certified by the highest industry standards.

For more information, including course lists for each program, go to LoneStar.edu/Industry-Certification-Prep

Linked with a credit course. See page 5 for requirements.

Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>CompTIA A+ Certification</td>
<td>96</td>
<td>$1281</td>
</tr>
<tr>
<td>Oracle Database 11g: Introduction to SQL</td>
<td>40</td>
<td>$1,544</td>
</tr>
<tr>
<td>Oracle Database 11g: Admin Workshop I</td>
<td>40</td>
<td>$1,544</td>
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<tr>
<td>Oracle Database 11g: Admin Workshop II</td>
<td>40</td>
<td>$1,544</td>
</tr>
<tr>
<td>Project Management Certification</td>
<td>35</td>
<td>$1,566</td>
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<tr>
<td>Welding Inspector Exam Prep</td>
<td>96</td>
<td>$1,314</td>
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<tr>
<td>Lean Six Sigma Black Belt</td>
<td>62</td>
<td>$3,324</td>
</tr>
<tr>
<td>Lean Six Sigma Green Belt Certification</td>
<td>57</td>
<td>$1,933</td>
</tr>
</tbody>
</table>

CompTIA NET+ Certification

See Industry Certification & Exam Prep

TBD hours, $TBD

CompTIA NET+ Certification

See Industry Certification & Exam Prep

TBD hours, $TBD

Electrician - Journeyman: Exam Review

Journeyman Electrician Review

32 hours, $440

Electrician - Master: Exam Review

Master Electrician Exam Review I

48 hours, $657

Master Electrician Exam Review II

48 hours, $657

Oracle Certification

Oracle Database 11g: Introduction to SQL

40 hours, $1,544

Oracle Database 11g: Admin Workshop I

40 hours, $1,544

Oracle Database 11g: Admin Workshop II

40 hours, $1,544

Project Management Certification

PMP Certification Exam Preparation

35 hours, $1,566

Welding Inspector Exam Prep

Welding Inspector Part I

48 hours, $657

Welding Inspector Part II

48 hours, $657

Lean Six Sigma Black Belt

Lean Six Sigma Black Belt

62 hours, $3,324

Lean Six Sigma Green Belt Certification

Lean Six Sigma Green Belt Certification

57 hours, $1,933

For more information, including course lists for each program, go to LoneStar.edu/Industry-Certification-Prep
**PMP Certification Exam Preparation**

BMGX 5000134 35 Contact Hours $1566

Methods for planning and controlling projects. Includes project management concepts and models, critical path, analysis of time/cost benefits, and resource utilization. If you have work-related experience, this class is for you. We will help you hone your expertise to a razor sharp edge during our comprehensive review of the ten major project management subject areas from the PMBOK® 5th Edition. This course prepares you to take the Project Management Professional (PMP®) exam and satisfies the 35-contact hour requirement needed to qualify to take the PMP® exam. Structure: Environment: Seminar/Classroom/ Workshop/ Online. Three days of classroom instruction followed by two days of online practice questions and comprehensive feedback (at your own pace). Includes a new Amazon Kindle, lunch and refreshments.

LSC-University Park
5423 BMGX 5000134 6001 MW 9/12-9/14 8:00 am-5:00 pm
Instruction Type: Hybrid, Internet.

5423 BMGX 5000134 6001 9/15-9/19 8:00 am-5:00 pm
Instruction Type: Hybrid, Internet.

5428 BMGX 5000134 6002 MW 10/17-10/19 8:00 am-5:00 pm
Instruction Type: Hybrid, Internet.

5428 BMGX 5000134 6002 10/20-10/21
Instruction Type: Hybrid, Internet.

5429 BMGX 5000134 6003 MW 12/5-12/7 8:00 am-5:00 pm
Instruction Type: Hybrid, Internet.

5429 BMGX 5000134 6003 12/8-12/9
Instruction Type: Hybrid, Internet.

**Welding Inspection Preparation Part I**

NDTEC 2201102 48 Contact Hours $657

General principles of welding inspection including welding processes, terms and definitions, welding discontinuities, duties and responsibilities of inspectors, destructive and nondestructive testing, quality assurance/quality control, welding codes and blueprints, procedures, and case studies. An overview of welding tools and equipment, metallurgy, chemistry, and joint design.

LSC-Conroe Center
10645 NDTEC 2201102 C001 Sa 8/27-10/8 8:00 am-4:00 pm CC 200
Department consent required. Contact the CTE office at a LSC campus to register.

**Welding Inspection Preparation Part II**

NDTEC 2201103 48 Contact Hours $657

General principles of welding inspection including welding processes, terms and definitions, welding discontinuities, duties and responsibilities of inspectors, destructive and nondestructive testing, quality assurance/quality control, welding codes and blueprints, procedures, and case studies. An overview of welding tools and equipment, metallurgy, chemistry, and joint design.

LSC-Conroe Center
10649 NDTEC 2201103 C001 Sa 10/15-11/19 8:00 am-4:00 pm CC 200
Department consent required. Contact the CTE office at a LSC campus to register. Closed 11/25 to 11/27.

**Wedding Planner Certification**

BUSGC 2109124 40 Contact Hours $924

The Wedding Planning Institute’s fast-track certification program is the industry standard for individuals looking to get started in the wedding and event planning business right away. Topics include, business planning for the wedding planner, wedding styles, signatures and themes. Wedding etiquette in America, vendors and contracts, stationery, attire, public relations, introduction to sales and marketing, reception logistics, cakes and desserts, music, photography, decorations, wedding favors, pre-and post-celebrations and expanding business revenue streams will also be presented. Prepares for the LWPI’s [Lovegevity’s] Wedding Planning Institute) certification exam. PC or laptop required as tablets do not work with the online system.

LSC-North Harris
1871 BUSGC 2109124 1001 M 9/12-11/28 6:00 pm-9:30 pm CMED 206
Overview

Update your skills, discover a new talent, or chart a new career path at your own pace in the comfort of your own home or office. Online courses start at only $104 per course and can be taken through Lone Star College, Champions School of Real Estate, or through ed2go.

See the following pages for a list of available courses and information on how to register.

🔗 Linked with a credit course. See page 5 for requirements.
Champions School of Real Estate

Real Estate Courses

Lone Star College has partnered with Champions School of Real Estate for students interested in a real estate profession. Courses are conveniently available through fast-track correspondence, correspondence-online and home study correspondence, and are designed for salesperson licensing and apprentice education. To register or for more information, visit www.ChampionsSchool.com or call 281.496.7386.

LSC-Online

Career & Technical Education Courses
These courses are offered through Lone Star College online. To register for these classes, just follow the same process you would to register for a class on campus, and choose “Fully Online 100%” as Mode of Instruction.

Access Complete
Access I
Access II
Accounting I, Intermediate
Accounting I, Introduction
Accounting I, Principles
Accounting II, Intermediate
Accounting II, Principles
Accounting, Government and Not-for-Profit
Adult Basic Education & GED Preparatory
Anatomy and Physiology I, Review
Anatomy and Physiology II, Review
Art Appreciation
AutoCAD, Advanced
AutoCAD, Intermediate
AutoCAD, Introduction
Business Communications
Business Ethics
Business Law I
Business Principles
Clinical Teaching
Communication Skills for Managers
Components of Special Education
Computer Illustration
Creating Successful Classrooms
Design Communications I
Digital Imaging I
Digital Publishing I
Emergency Services
Districts’ Practices
Employee Performance Review
Excel Complete
Excel I
Excel II
Federal Income Tax, Individual
Federal Income Tax, Partnerships/Corporations
Fitness and Wellness
Generalist Teacher Preparation
Google Sketchup

Health Occupations
Professionalism WP
Human Resource Management
Information and Project Management
Lead Effective Meetings
Leading Strategically
Lean Six Sigma Black Belt Certification
Lean Six Sigma Green Belt
Legal Issues for Supervisors
Management, Principles
MCAS Exam (Access)
MCAS Exam (Excel)
MCAS Exam (PowerPoint)
MCAS Exam (Word)
Nitrous Oxide Sedation
Monitoring
Pedagogy and Professional Responsibilities (PPR)
Personal Finance
Photoshop I
Photoshop II
PowerPoint Complete
PowerPoint I
PowerPoint II
Problem Solving
Professionalism in the Workplace
Project Scheduling using MS Project
Public Budgets & Management
Small Business Management
Spanish I, Beginning
Spanish II, Beginning
Supervision, Introduction
TCP Internship Extension
TCP Internship I
TCP Internship II
Team Building in the Workplace
TExES Review: PPR EC-12
Time Management
Web Page Creation
Word Complete
Word I
Word II
Workplace Microbiology

Appraisal I & II Basic
Appraisal Principles
Appraisal III, Residential Market Analysis
Broker Responsibility
Brokerage
Commercial Real Estate
Easy Steps to the Buyer’s Representation Agreement
Farm and Ranch Real Estate
Investment Strategy
Keeping Current with Texas Real Estate
Law of Agency
Law of Contracts
Math I Closing Costs
Personal Performance Management
Positively Outstanding Service
Power House New Agent Training
Promulgated Contract Form
Property Management
Prospering with Trends and Strategies
Real Estate Finance I, II, III, IV
Real Estate Game Changers
Real Estate Hot Technology Tips
Real Estate Law
Real Estate Mandatory TREC Ethics
Real Estate Mandatory TREC Legal Update
Real Estate Marketing I, II, III
Real Estate Principle I, II, III
Real Estate Resources for the Successful Salesperson
Residential Appraisal
Residential Inspection
Sellers Disclosure Notices and DTPA
Selling to Different Generations
Texas Real Estate Contracts
The 3 T’s to Success in Today’s Marketplace
The Insider’s Guide to Commercial Real Estate

Health Occupations
Professionalism WP
Human Resource Management
Information and Project Management
Lead Effective Meetings
Leading Strategically
Lean Six Sigma Black Belt Certification
Lean Six Sigma Green Belt
Legal Issues for Supervisors
Management, Principles
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Access Complete
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Accounting I, Intermediate
Accounting I, Introduction
Accounting I, Principles
Accounting II, Intermediate
Accounting II, Principles
Accounting, Government and Not-for-Profit
Adult Basic Education & GED Preparatory
Anatomy and Physiology I, Review
Anatomy and Physiology II, Review
Art Appreciation
AutoCAD, Advanced
AutoCAD, Intermediate
AutoCAD, Introduction
Business Communications
Business Ethics
Business Law I
Business Principles
Clinical Teaching
Communication Skills for Managers
Components of Special Education
Computer Illustration
Creating Successful Classrooms
Design Communications I
Digital Imaging I
Digital Publishing I
Emergency Services
Districts’ Practices
Employee Performance Review
Excel Complete
Excel I
Excel II
Federal Income Tax, Individual
Federal Income Tax, Partnerships/Corporations
Fitness and Wellness
Generalist Teacher Preparation
Google Sketchup

Health Occupations
Professionalism WP
Human Resource Management
Information and Project Management
Lead Effective Meetings
Leading Strategically
Lean Six Sigma Black Belt Certification
Lean Six Sigma Green Belt
Legal Issues for Supervisors
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Word Complete
Word I
Word II
Workplace Microbiology
ed2go
Lone Star College is partnered with ed2go, an online instruction center that offers a wide range of highly interactive online courses. All of the courses are led by expert instructors, many of whom are nationally known authors. The online courses are affordable, fun, fast, convenient, and geared just for you.

View & Register for Classes

1. Get online. Go to ed2go.com/LoneStar

2. Find a class. Browse the catalog or search for a specific course. You can select a course to view more info.

3. Enroll. Click “Enroll Now” to enroll and complete the process.

4. Check your email. You will receive a confirmation email from ed2go, and within two business days, you will receive an email from Lone Star College with the course registration number and instruction on how to pay for the course. Full access will be given on start date after payment is made to Lone Star College.

Questions? Contact Noemi Silva at 281.290.5991.
ed2go Featured Courses

View the complete course catalog online at ed2go.com/LoneStar.

Basic Computer Literacy
- Computer Skills for the Workplace
- Linux
- Keyboarding
- Navigating the Internet

Business Communication & Leadership
- Achieving Success with Difficult People
- Building Teams That Work
- Interpersonal Communication
- Keys to Effective Communication
- Leadership

Business Fundamentals
- Business Applications
- Business Fundamentals
- Supervision and Management
- Technical Writing
- Total Quality Fundamentals

Business Writing
- Business and Marketing Writing
- Resume Writing Workshop
- Writing Great Technical Documents

Certification Prep
- CompTIA A+ Certification Prep
- Microsoft Windows Certification Prep

Children, Parents and Family
- Assisting Aging Parents
- Everyday Math
- Genealogy Basics
- Guiding Kids on the Internet
- Handling Medical Emergencies
- Homeschool with Success
- Ready, Set, Read!
- Understanding Adolescents

Computer Programming
- Alice 2.0 Programming
- ASP.NET
- C# Programming
- C++ Programming
- Java Programming
- Perl Programming
- PHP and MySQL
- Python Programming
- Ruby Programming
- Visual Basic

Creative Writing
- Fiction Writing
- Forensic Science for Writers
- Grammar Refresher
- Internet Writing Markets
- Journaling
- Mystery Writing
- Pleasures of Poetry
- Research Methods for Writers
- Romance Writing Secrets
- The Craft of Magazine Writing
- The Keys to Effective Editing
- Travel Writing
- Write Fiction Like a Pro
- Write Your Life Story
- Writer’s Guide to Descriptive Settings
- Writer’s Guides
- Writer’s Workshop
- Writerific

Writing for Children

Database Management
- Database Development
- Oracle
- SQL

Digital Photography
- Discovery Digital Photography
- Making Movies with Windows XP
- Photoshop Elements
- Secrets of Better Photography

Finance and Personal Wealth
- Debt Elimination Techniques That Work
- Get Paid to Travel
- Introduction to Stock Options
- Keys to Successful Money Management
- Personal Finance
- Real Estate Investing
- Stocks, Bonds, and Investing: Oh, My!
- The Analysis and Valuation of Stocks
- Where Does All My Money Go?

Grant Writing and Nonprofit
- A to Z Grant Writing
- Becoming a Grant Writing Consultant
- Get Grants!
- Grant Proposal Writing
- Marketing Your Nonprofit
- Nonprofit Management
- Wow, What a Great Event!
- Writing Effective Grant Proposals

Health Science and Wellness
- Anatomy & Physiology I & II, Review
- Certificate in Bioenergy and Spiritual Healing
- CPR
- Healing Through Hypnosis
- Human Anatomy and Physiology
- Luscious, Low-Fat, Lighting-Quick Meals
- Medical Coding
- Medical Terminology
- Medical Transcription
- Natural Health and Healing
- Nitrous Oxide Sedation Monitoring
- Occupational Performance
- Occupational Therapy Management
- Optical Assistant
- Physical Function in Occupational Therapy
- Physical Therapy Aide
- Workplace Microbiology

Home-Based Business

HTML Courses
- Creating User Requirements Documents
- Creating Web Pages
- CSS and XHTML
- Designing Effective Websites
- Resume Writing Workshop
- Twelve Steps to a Successful Job Search

Languages
- Braille Transcription
- Conversational French
- Conversational Japanese
- Instant Italian
- Spanish in the Classroom
- Speed Spanish

Law and Legal
- Business Law for the Small Business Owner

Constitutional Law: Bill of Rights
- Employment Law Fundamentals
- Evidence Law
- Introduction to Criminal Law
- Legal Nurse Consulting
- Real Estate Law
- Winning Strategy for the Courtroom
- Worker’s Compensation

Microsoft & Adobe Courses
- Access
- Adobe Acrobat
- CorelDRAW X3
- Dreamweaver
- Excel
- Flash
- FrontPage
- Illustrator
- Microsoft Office Accounting Professional
- Microsoft Project
- Microsoft Publisher
- Microsoft Visio
- Outlook
- Performing Payroll
- Photoshop
- PowerPoint
- What’s New in Microsoft Office
- Windows Vista
- Windows XP
- Word

Networking and Security
- Networking
- PC Security
- PC Troubleshooting
- Wireless Networking

Publishing
- Guide to Getting Published
- Internet Writing Markets
- Publish it Yourself

Sales and Marketing
- Effective Selling
- Principles of Sales Management
- Professional Sales Skills

Start Your Own Business
- Creating a Successful Business Plan
- Get Paid to Travel
- Growing Plants for Fun and Profit
- Secrets of the Caterer
- Start and Operate your own Home-Based Business
- Start Your Own Arts and Craft Business
- Start Your Own Small Business
- Starting a Consulting Practice

Teaching
- Creating the Inclusive Classroom
- The Creative Classroom
- Differentiated Instruction in the Classroom
- Solving Classroom Discipline Problems
- Survival Kit for New Teachers
- Teaching ESL/EFL
- Teaching ESL/EFL Grammar
- Teaching ESL/EFL Reading
- Teaching ESL/EFL Vocabulary
- Understanding Adolescents
English for Speakers of Other Languages

About / Acerca de los Programas

Lone Star College offers a wide variety of ESOL programs to meet the diverse needs of the community. Classes are offered during the day, at night, and on weekends.

Requirements

- See an Advisor or Program Coordinator at a campus.
- Take a placement test (may not apply to all students)

Available Programs

- English for Workplace & Everyday Life: Designed to help students with reading, writing, speaking and listening skills. Courses are designed for professionals preparing to enter the workforce.
- Basic English Skills: Designed for learners with low literacy level who have little or no English learning background. These courses are free to students who qualify.
- Academic Preparation: Designed for academically bound students.

For additional information, contact a campus near you or go to LoneStar.edu/esol-ce

Lone Star College ofrece una amplia variedad de programas de ESOL para satisfacer las necesidades de la comunidad local. Nosotros ofrecemos clases durante el día, la noche, los fines de semana y en línea.

Requisitos

- Póngase en contacto con el departamento de Educación Continua y pida hablar con un consejero académico de ESOL.
- Para determinar su nivel de inglés usted deberá tomar un examen (Quizás este examen no se aplique a todos los estudiantes)

Programas Disponibles

- Inglés para el Trabajo y para la Vida Diaria: Estos cursos están diseñados para ayudarle con la lectura, la escritura y la conversación en inglés. Los cursos del departamento de Educación Continua se dirigen a estudiantes quienes se están preparando para ingresar a las carreras vocacionales técnicas.
- Inglés Básico: Estos cursos de inglés están dirigidos a los estudiantes que tienen muy poco o ningún conocimiento del idioma inglés. Estos cursos gratuitos están disponibles para los estudiantes que califiquen para el programa.
- Preparación Académica: Los cursos de ESOL académico están dirigidos para los estudiantes que quieren inscribirse en la universidad.

Para más información, hay que ponerse en contacto con el colegio donde quiere tomar el curso.

Linked with a credit course. See page 5 for requirements.
ESOL Grammar I
ESOLC 3000801 64 Contact Hours $213
This course is designed to help students with very little English proficiency to understand and use basic English grammar correctly in both written and spoken communication. Students develop control of fundamental structures including basic tenses, parts of speech and simple sentences. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. Placement by exam. This course is linked to ESOL 0391.

LSC-CyFair
14815 ESOLC 3000801 5005 MW 8/29-12/18 5:40 pm-7:35 pm CASA 210
Department consent required. Contact the CTE office at a LSC campus to register.

14810 ESOLC 3000801 5001 Th 8/29-12/18 8:30 am-10:20 am CASA 210
Department consent required. Contact the CTE office at a LSC campus to register.

14812 ESOLC 3000801 5003 Th 8/29-12/18 2:30 pm-4:20 pm CASA 210
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Fairbanks Center
15011 ESOLC 3000801 F001 MW 9/12-12/18 12:00 pm-2:10 pm FAIR 217
Department consent required. Contact the CTE office at a LSC campus to register.

15014 ESOLC 3000801 F003 MW 9/12-12/18 5:30 pm-7:40 pm FAIR 215
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood
4083 ESOLC 3000801 2440 Th 8/29-12/18 8:30 am-10:20 am
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Montgomery
7122 ESOLC 3000801 4001 MW 8/29-12/18 9:00 am-10:50 am MCG 6222

LSC-North Harris
15309 ESOLC 3000801 1301 MW 8/29-12/18 6:00 pm-7:50 pm ACAD 128
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-University Park
10248 ESOLC 3000801 6003 Th 8/29-12/18 8:00 am-9:50 am UP13 323

ESOL Grammar II
ESOLC 3000802 64 Contact Hours $213
This course continues to develop English grammar skills by providing extensive and varied practice that encourages growth in all areas of language use. Emphasis is placed on the use of verb tenses, modal verbs, nouns, adjectives and adverbs. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. 3201085712 This course is linked to ESOL 0392. Prerequisite: ESOL 0391 or Placement by exam.

LSC-CyFair
14859 ESOLC 3000802 5007 MW 8/29-12/18 5:40 pm-7:35 pm CASA 211
Department consent required. Contact the CTE office at a LSC campus to register.

14842 ESOLC 3000802 5001 Th 8/29-12/18 8:30 am-10:20 am CASA 211
Department consent required. Contact the CTE office at a LSC campus to register.

14851 ESOLC 3000802 5003 Th 8/29-12/18 10:30 am-12:20 pm TECH 217
Department consent required. Contact the CTE office at a LSC campus to register.

14855 ESOLC 3000802 5005 Th 8/29-12/18 2:30 pm-4:20 pm CASA 211
Department consent required. Contact the CTE office at a LSC campus to register.

ESOL Grammar III
ESOLC 3000803 64 Contact Hours $213
This course continues to develop the existing knowledge of grammatical structures and helps students to acquire new ones. Emphasis is placed on the complex verb tenses, passive voice, and compound sentences. This course will help students apply grammatical accuracy to their writing and speaking. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. 3201085912 This course is linked to ESOL 0393. Prerequisite: ESOL 0392 or Placement by exam.

LSC-CyFair
14876 ESOLC 3000803 5005 MW 8/29-12/18 5:40 pm-7:35 pm CASA 212
Department consent required. Contact the CTE office at a LSC campus to register.

14872 ESOLC 3000803 5001 Th 8/29-12/18 8:30 am-10:20 am CASA 212
Department consent required. Contact the CTE office at a LSC campus to register.

14874 ESOLC 3000803 5003 Th 8/29-12/18 2:30 pm-4:20 pm CASA 212
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Fairbanks Center
15041 ESOLC 3000803 F001 MW 9/12-12/18 12:00 pm-2:10 pm FAIR 217
Department consent required. Contact the CTE office at a LSC campus to register.

15063 ESOLC 3000803 F003 MW 9/12-12/18 5:30 pm-7:40 pm FAIR 217
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood
4281 ESOLC 3000803 2360 MW 8/29-12/18 1:30 pm-3:20 pm LIB 203
Department consent required. Contact the CTE office at a LSC campus to register.

4280 ESOLC 3000803 2140 Th 8/29-12/18 8:30 am-10:20 am LIB 201
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Montgomery
7131 ESOLC 3000803 4001 MW 8/29-12/18 9:00 am-10:50 am MCG G119

7134 ESOLC 3000803 4003 MW 8/29-12/18 9:00 am-10:50 am MCG G212

7137 ESOLC 3000803 4005 9/12-12/18
Instruction Type: Online.

LSC-North Harris
15331 ESOLC 3000803 1101 MW 8/29-12/18 8:00 am-9:50 am ACAD 213
Department consent required. Contact the CTE office at a LSC campus to register.
ESOL 0393 or Placement by exam. This course is linked to ESOL 0394. Prerequisite: not transfer and will not be used to meet degree requirements. Students continue the study of grammatical structures required for quality oral and written academic communication. They develop skills in understanding form, meaning and usage of complex grammatical structures including gerunds and infinitives, conditionals and complex sentences with noun, adjective and adverb clauses. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. 3201085912 This course is linked to ESOL 0395. Prerequisite: ESOL 0393 or Placement by exam.

**LSC-University Park**

10270 ESOLC 3000803 6003 TTh 8/29-12/18 8:00 am-9:50 am UP13 421
10265 ESOLC 3000803 6001 TTh 8/29-12/18 6:00 pm-7:50 pm UP13 323
10275 ESOLC 3000803 6005 TTh 9/12-12/18 2:00 pm-4:10 pm UP13 613

**ESOL Grammar V**

ESOLC 3000805 64 Contact Hours $213
Focuses on Standard English grammar usage for academic purposes. Open only to non-native speakers. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. 3201085712 This course is linked to ESOL 0395. Prerequisite: ESOL 0394 or Placement by exam.

**LSC-CyFair**

14900 ESOLC 3000805 5001 Th 8/29-12/18 12:00 pm-1:50 pm CASA 311
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-Kingwood**

4301 ESOLC 3000805 2440 TTh 8/29-12/18 8:30 am-10:20 am CUB 127
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-North Harris**

15323 ESOLC 3000805 1101 MW 8/29-12/18 10:00 am-11:50 am DTEC 210
Department consent required. Contact the CTE office at a LSC campus to register.
15325 ESOLC 3000805 1301 MW 8/29-12/18 6:00 pm-7:50 pm ACAD 215
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-University Park**

10298 ESOLC 3000805 6001 Th 8/29-12/18 12:00 pm-1:50 pm UP13 613

**ESOL Language Skills Workshop**

ESOLC 3000800 64 Contact Hours $213
This course refines the use of communication skills necessary for personal, academic, and business communication. It incorporates negotiated student/instructor-generated content and accommodates individual goals in a workshop format. Open lab available. This course carries institutional credit but will not transfer and may not be used to meet degree requirements. This course is linked to ESOL 0308.

**LSC-CyFair**

14374 ESOLC 3000800 5005 Th 8/29-12/18 6:30 pm-8:20 pm CASA 311
Department consent required. Contact the CTE office at a LSC campus to register.
14366 ESOLC 3000800 5001 F 9/9-12/18 8:55 am-12:55 pm CASA 313
Department consent required. Contact the CTE office at a LSC campus to register.
14378 ESOLC 3000800 5007 Sa 9/9-12/18 8:30 am-12:30 pm ISC 113
Department consent required. Contact the CTE office at a LSC campus to register.
14372 ESOLC 3000800 5003 MW 9/12-12/18 2:15 pm-4:30 pm CASA 311
Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-Fairbanks Center**

14909 ESOLC 3000800 F003 FAIR 207
Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
14905 ESOLC 3000800 F001 MW 9/12-12/18 10:00 am-11:40 am FAIR 207
Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.

**LSC-Kingwood**

3313 ESOLC 3000800 2020 F 8/29-12/18 9:00 am-1:00 pm LIB 201
Department consent required. Contact the CTE office at a LSC campus to register. This is a basic integrated skills course for students who place below Level 1.
3314 ESOLC 3000800 2021 F 8/29-12/18 9:00 am-1:00 pm CLB 129
Department consent required. Contact the CTE office at a LSC campus to register. This is a pronunciation course for ESOL students who are placed in Basic through Level 2.
3315 ESOLC 3000800 2022 F 8/29-12/18 9:00 am-1:00 pm CLB 127
Department consent required. Contact the CTE office at a LSC campus to register. This is a pronunciation course for ESOL students who are placed in Level 3 through Level 5.
3316 ESOLC 3000800 2590 MW 9/12-12/18 6:00 pm-8:15 pm CLB 129
Department consent required. Contact the CTE office at a LSC campus to register. This is a basic integrated skills course for students who place below Level 1.
English for Speakers of Other Languages

In this course English-language students increase proficiency in the spoken language necessary for basic personal, academic, and professional communication. Students communicate with a growing degree of fluency, using newly acquired vocabulary with some degree of accuracy, and master basic language functions. Students acquire and practice strategies for comprehending statements and short spoken passages. This course carries institutional credit but will not transfer and may not be used to meet degree requirements. This course is linked to ESOL 0382. Pre-requisite: ESOL 0381 or placement by testing.

ESOL Oral Communication I
ESOLC 3008101  64 Contact Hours  $213

In this course beginning English-language students learn the key vocabulary and structures necessary for adequate basic oral communication. Students refine listening and speaking skills and increase control of the English sound system to minimize miscommunication due to pronunciation. Students who enroll in this course should have basic literacy skills in their native language and be familiar with Roman script. This course carries institutional credit but will not transfer and may not be used to meet degree requirements. This course is linked to ESOL 0381. Pre-requisite: placement by testing.

ESOL Oral Communication II
ESOLC 3008201  64 Contact Hours  $213

In this course English-language students increase proficiency in the spoken language necessary for basic personal, academic, and professional communication. Students communicate with a growing degree of fluency, using newly acquired vocabulary with some degree of accuracy, and master basic language functions. Students acquire and practice strategies for comprehending statements and short spoken passages. This course carries institutional credit but will not transfer and may not be used to meet degree requirements. This course is linked to ESOL 0382. Pre-requisite: ESOL 0381 or placement by testing.

Community Education
Course Descriptions
English for Speakers of Other Languages
ESOL Oral Communication III
ESOLC 3008301  64 Contact Hours  $213
This course continues to provide dynamic communicative practice for English-language students. Students increase their degree of fluency, accuracy, and comprehension in listening and speaking skills necessary for personal, academic, and professional communication. They develop skills at using functional language in a variety of relevant contexts. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. This course is linked to ESOL 0383. Prerequisite: ESOL 0382 or placement by testing.

LSC-CyFair
14785 ESOLC 3008301 5001 MW 8/29-12/18 10:35 am-12:30 pm CASA 212
Department consent required. Contact the CTE office at a LSC campus to register.
14787 ESOLC 3008301 5003 MW 8/29-12/18 12:40 pm-2:35 pm CASA 212
Department consent required. Contact the CTE office at a LSC campus to register.
14789 ESOLC 3008301 5005 TTh 8/29-12/18 6:00 pm-7:50 pm CASA 212
Department consent required. Contact the CTE office at a LSC campus to register.
14791 ESOLC 3008301 5007 Sa 9/9-12/18 8:30 am-12:30 pm HSCI 118
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Fairbanks Center
14499 ESOLC 3008301 F001 TTh 9/12-12/18 12:00 pm-2:10 pm F001
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood
3601 ESOLC 3008301 2130 MW 8/29-12/18 11:00 am-12:50 pm CLB 127
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Montgomery
7112 ESOLC 3008301 4001 TTh 8/29-12/18 12:00 pm-1:50 pm MG6 G119
7114 ESOLC 3008301 4003 TTh 8/29-12/18 12:00 pm-1:50 pm MG6 G222

LSC-North Harris
14102 ESOLC 3008301 1201 TTh 8/29-12/18 8:00 am-9:50 am ACAD 213
Department consent required. Contact the CTE office at a LSC campus to register.
14104 ESOLC 3008301 1401 TTh 8/29-12/18 8:00 am-9:50 am ACAD 167
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-University Park
10180 ESOLC 3008301 6003 MW 8/29-12/18 10:00 am-11:50 am UP13 421
10171 ESOLC 3008301 6001 MW 8/29-12/18 8:00 am-9:50 pm UP13 613
10187 ESOLC 3008301 6005 MW 9/12-12/18 2:00 pm-4:10 pm UP13 233

ESOL Oral Communication IV
ESOLC 3008401  64 Contact Hours  $213
Develops listening and speaking skills in speakers of languages other than English and prepares them to function in educational, vocational and/or personal English-speaking contexts. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. This course is linked to ESOL 0384. Prerequisite: ESOL 0383 or placement by testing.

LSC-CyFair
14799 ESOLC 3008401 5001 MW 8/29-12/18 10:35 am-12:30 pm CASA 313
Department consent required. Contact the CTE office at a LSC campus to register.
14802 ESOLC 3008401 5003 MW 8/29-12/18 12:40 pm-2:35 pm CASA 313
Department consent required. Contact the CTE office at a LSC campus to register.
14805 ESOLC 3008401 5005 TTh 8/29-12/18 6:00 pm-7:50 pm CASA 313
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Fairbanks Center
15005 ESOLC 3008401 F001 TTh 9/12-12/18 12:00 pm-2:10 pm F001
Department consent required. Contact the CTE office at a LSC campus to register.

ESOL Reading I
ESOLC 3006101  64 Contact Hours  $213
This course is designed for English-language students who are beginning to read and comprehend printed English for the first time. Emphasis is placed on basic reading skills and the development of strategies to increase reading comprehension. Materials are vocabulary-controlled and based on concrete topics. Students practice reading and comprehending simple short stories and articles, writing related sentences, and developing basic library skills. Focus is on literal comprehension and developing a personally relevant vocabulary base. Students who enroll in this course should have basic literacy skills in their native language and be familiar with Roman script. This course carries institutional credit but will not transfer and may not be used to meet degree requirements. This course is linked to ESOL 0361. Prerequisite: Placement by testing.

LSC-CyFair
14387 ESOLC 3006101 5001 MW 8/29-12/18 8:30 am-10:25 am CASA 210
Department consent required. Contact the CTE office at a LSC campus to register.
14389 ESOLC 3006101 5003 MW 8/29-12/18 2:45 pm-4:40 pm CASA 210
Department consent required. Contact the CTE office at a LSC campus to register.
14391 ESOLC 3006101 5005 TTh 8/29-12/18 8:00 pm-9:50 pm CASA 210
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Fairbanks Center
14911 ESOLC 3006101 F001 TTh 9/12-12/18 9:30 am-11:40 am F001
Department consent required. Contact the CTE office at a LSC campus to register.
14913 ESOLC 3006101 F003 TTh 9/12-12/18 5:30 pm-7:40 pm F003
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood
3405 ESOLC 3006101 2110 MW 8/29-12/18 9:00 am-10:50 am CLB 210
Class Topic: LAB 2B10Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Montgomery
6784 ESOLC 3006101 4001 TTh 8/29-12/18 9:00 am-10:50 am MG6 G224

LSC-North Harris
13943 ESOLC 3006101 1201 TTh 8/29-12/18 10:00 am-11:50 am ACAD 212
Department consent required. Contact the CTE office at a LSC campus to register.
13946 ESOLC 3006101 1401 TTh 8/29-12/18 6:00 pm-7:50 pm ACAD 215
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-University Park
9631 ESOLC 3006101 6005 MW 8/29-12/18 8:00 am-9:50 am UP13 611
9607 ESOLC 3006101 6003 MW 8/29-12/18 12:00 pm-1:50 pm UP13 507
9600 ESOLC 3006101 6001 MW 8/29-12/18 6:00 pm-7:50 pm UP13 613
**ESOL Reading II**

**ESOLC 3006201**

64 Contact Hours  $213

In this course English-language students continue to develop the reading and vocabulary skills necessary for personal, academic, and professional purposes using materials based on high interest topics. The course includes practice in reading and comprehending multi-paragraph descriptive and narrative articles, stories, reports, and dictionary entries. Focus is on literal comprehension, word analysis, vocabulary expansion, dictionary skills, and the use of library resources. Writing is required to complement varied reading activities. This course is linked to ESOL 0362. Prerequisite: placement by testing.

### LSC-CyFair

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### LSC-University Park

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**ESOL Reading IV**

**ESOLC 3006401**

64 Contact Hours  $213

Development of reading and higher order thinking skills necessary for college readiness. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. This course is linked to ESOL 0364. Prerequisite: ESOL 0363 or placement by testing.

### LSC-CyFair

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### LSC-Kingwood

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### LSC-Montgomery

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<td>8/29-12/18 9:00 am-10:50 am</td>
<td>MCG 6212</td>
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### LSC-North Harris

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<tr>
<th>Code</th>
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<td>MW</td>
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<td>ACAD 132</td>
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**ESOL Reading III**

**ESOLC 3006301**

64 Contact Hours  $213

This course continues to develop English-language students' reading and vocabulary skills for personal, academic and professional purposes using a wide variety of text types and topics. The course includes extensive practice in reading and comprehending multi-page articles, narratives, reports, editorials, opinion essays, and reference materials, and writing related responses. Focus is on interpretation of factual material, drawing inferences and conclusions, and paraphrasing and summarizing selected passages. Writing is required to complement reading activities. This course is linked to ENGL 0363. Prerequisites: ENGL 0362 or placement by exam.
ESOLC 3006501 64 Contact Hours $213
Develops English reading proficiency and vocabulary for academic, career, or personal purposes in speakers of languages other than English and prepares them to function in a multicultural, multilingual society. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. This course is linked to ESOL 0365. Pre-requisite: ESOL 0364 or placement by testing.

LSC-CyFair 14448 ESOLC 3006501 5001 TTh 8/29-12/18 10:00 am-11:50 am CASA 311 Department consent required. Contact the CTE office at a LSC campus to register.
14454 ESOLC 3006501 5003 MW 9/12-12/18 12:30 pm-2:20 pm CASA 311 Department consent required. Contact the CTE office at a LSC campus to register.
14458 ESOLC 3006501 5005 9/12-12/18 Department consent required. Contact the CTE office at a LSC campus to register.
Instruction Type: Online.

LSC-Kingwood 3443 ESOLC 3006501 2110 MW 8/29-12/18 9:00 am-10:50 am LIB 201 Department consent required. Contact the CTE office at a LSC campus to register.

ESOLC 3007101 64 Contact Hours $213
In this course beginning English-language students develop, practice and apply the basic structures of English to perform simple writing tasks. Students who enroll in this course should have basic literacy skills in their native language and be familiar with Roman script. This course carries institutional credit but will not transfer and may not be used to meet degree requirements. This course is linked to ESOL 0371. Pre-requisite: placement by testing.

LSC-CyFair 14497 ESOLC 3007101 5005 MW 8/29-12/18 7:45 pm-9:40 pm CASA 210 Department consent required. Contact the CTE office at a LSC campus to register.
14498 ESOLC 3007101 5001 TTh 8/29-12/18 10:30 am-12:20 pm CASA 210 Department consent required. Contact the CTE office at a LSC campus to register.
14492 ESOLC 3007101 5003 TTh 8/29-12/18 12:30 pm-2:20 pm CASA 210 Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Fairbanks Center 14943 ESOLC 3007101 F001 MW 9/12-12/18 9:30 am-11:40 am FARR 216 Department consent required. Contact the CTE office at a LSC campus to register.
14945 ESOLC 3007101 F003 MW 9/12-12/18 7:50 pm-10:00 pm FARR 216 Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Montgomery 6832 ESOLC 3007101 4001 MW 8/29-12/18 12:00 pm-1:50 pm MCG G222 Department consent required. Contact the CTE office at a LSC campus to register.

ESOLC 3007201 64 Contact Hours $213
In this course English-language students increase proficiency in the writing skills necessary for basic personal, academic, and professional communication. Students use process writing techniques to write simple paragraphs and gain mastery in the use of the basic structures of the language. This course carries institutional credit but will not transfer and may not be used to meet degree requirements. This course is linked to ESOL 0372. Pre-requisite: ESOL 0371 or placement by testing.

LSC-CyFair 14536 ESOLC 3007201 5007 MW 8/29-12/18 7:45 pm-9:40 pm CASA 211 Department consent required. Contact the CTE office at a LSC campus to register.
14521 ESOLC 3007201 5001 TTh 8/29-12/18 10:30 am-12:20 pm CASA 211 Department consent required. Contact the CTE office at a LSC campus to register.
14526 ESOLC 3007201 5003 TTh 8/29-12/18 12:30 pm-2:20 pm TECH 217 Department consent required. Contact the CTE office at a LSC campus to register.
14532 ESOLC 3007201 5005 TTh 8/29-12/18 12:30 pm-2:20 pm CASA 211 Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Fairbanks Center 14948 ESOLC 3007201 F001 MW 9/12-12/18 9:30 am-11:40 am FARR 217 Department consent required. Contact the CTE office at a LSC campus to register.
14951 ESOLC 3007201 F003 MW 9/12-12/18 7:50 pm-10:00 pm FARR 215 Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood 3493 ESOLC 3007201 2220 TTh 8/29-12/18 10:30 am-12:20 pm LIB 201 Department consent required. Contact the CTE office at a LSC campus to register.
3495 ESOLC 3007201 2240 TTh 8/29-12/18 1:30 pm-3:20 pm CUB 127 Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Montgomery 6843 ESOLC 3007201 4001 MW 8/29-12/18 12:00 pm-1:50 pm MCG G218
6844 ESOLC 3007201 4003 MW 8/29-12/18 12:00 pm-1:50 pm MCG G218
6848 ESOLC 3007201 4301 MW 8/29-12/18 6:00 pm-7:50 pm MCG G116

LSC-North Harris 14053 ESOLC 3007201 1103 MW 8/29-12/18 12:30 pm-2:20 pm ACM 128 Department consent required. Contact the CTE office at a LSC campus to register.
14057 ESOLC 3007201 1301 MW 8/29-12/18 8:00 pm-9:50 pm ACM 213 Department consent required. Contact the CTE office at a LSC campus to register.

LSC-University Park 9967 ESOLC 3007201 6003 TTh 8/29-12/18 10:00 am-11:50 am UP1 276
9972 ESOLC 3007201 6005 TTh 8/29-12/18 12:00 pm-1:50 pm UP1 421
9964 ESOLC 3007201 6001 TTh 8/29-12/18 8:00 pm-9:50 pm UP1 613
ESOL Writing III

ESOLC 3007301 64 Contact Hours $213
This course continues to develop English-language students’ writing skills for personal, academic and professional purposes. Students use more sophisticated grammar structures in writing well-developed paragraphs and/or essays using process writing techniques. This course carries institutional credit but will not transfer and may not be used to meet degree requirements. This course is linked to ESOL 0373. Pre-requisite: ESOL 0372 or placement by testing.

LSC-CyFair
14567 ESOLC 3007301 5005 MW 8/29/12-18 7:45 pm-9:40 pm CASA 212
Department consent required. Contact the CTE office at a LSC campus to register.
14556 ESOLC 3007301 5001 TTh 8/29/12-12 10:30 am-12:20 pm CASA 212
Department consent required. Contact the CTE office at a LSC campus to register.
14561 ESOLC 3007301 5003 TTh 8/29/12-12 12:30 pm-2:20 pm CASA 212
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Fairbanks Center
14957 ESOLC 3007301 F001 MW 9/12/12-12 9:30 am-11:40 am FMK 214
Department consent required. Contact the CTE office at a LSC campus to register.
14960 ESOLC 3007301 F003 MW 9/12/12-12 7:50 pm-10:00 pm FMK 214
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood
3522 ESOLC 3007301 2220 TTh 8/29/12-18 10:30 am-12:20 pm LB 203
Department consent required. Contact the CTE office at a LSC campus to register.
3523 ESOLC 3007301 2240 TTh 8/29/12-18 1:30 pm-3:20 pm LB 203
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Montgomery
6852 ESOLC 3007301 4001 MW 8/29/12-12 12:00 pm-1:50 pm MC6 6116
6855 ESOLC 3007301 4003 MW 8/29/12-12 12:00 pm-1:50 pm MC6 6124
6858 ESOLC 3007301 4301 MW 8/29/12-12 6:00 pm-7:50 pm MC6 6116

LSC-North Harris
14071 ESOLC 3007301 1101 MW 8/29/12-10 10:00 am-11:50 am DTEC 114
Department consent required. Contact the CTE office at a LSC campus to register.
14073 ESOLC 3007301 1103 MW 8/29/12-12 12:30 pm-2:20 pm ACAD 212
Department consent required. Contact the CTE office at a LSC campus to register.
14075 ESOLC 3007301 1301 MW 8/29/12-12 8:00 pm-9:50 pm ACAD 167
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-University Park
9981 ESOLC 3007301 6003 TTh 8/29/12-12 10:00 am-11:50 am UP13 323
9985 ESOLC 3007301 6005 TTh 8/29/12-12 12:00 pm-1:50 pm UP13 323
9977 ESOLC 3007301 6001 TTh 8/29/12-12 8:00 pm-9:50 pm UP13 323

ESOL Writing IV

ESOLC 3007401 64 Contact Hours $213
Development of college-level writing focusing on idea generation, drafting, organization, revision, and utilization of standard English. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. This course is linked to ESOL 0374. Pre-requisites: ESOL 0373 or placement by testing.

LSC-CyFair
14691 ESOLC 3007401 5005 MW 8/29/12-12 7:45 pm-9:40 pm CASA 313
Department consent required. Contact the CTE office at a LSC campus to register.
14676 ESOLC 3007401 5001 TTh 8/29/12-12 10:30 am-12:20 pm CASA 313
Department consent required. Contact the CTE office at a LSC campus to register.
14685 ESOLC 3007401 5003 TTh 8/29/12-12 12:30 pm-2:20 pm CASA 313
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Fairbanks Center
14964 ESOLC 3007401 F001 MW 9/12/12-12 9:30 am-11:40 am FMK 214
Department consent required. Contact the CTE office at a LSC campus to register.

ESOL Writing V

ESOLC 3007501 64 Contact Hours $213
Focuses on strategies and techniques of writing and composition. Open only to non-native speakers. This course carries institutional credit but will not transfer and will not be used to meet degree requirements. This course is linked to ESOL 0375. Pre-requisite: ESOL 0374 or placement by testing.

LSC-CyFair
14714 ESOLC 3007501 5005 MW 8/29/12-12 7:15 pm-9:10 pm CASA 311
Department consent required. Contact the CTE office at a LSC campus to register.
14708 ESOLC 3007501 5001 TTh 8/29/12-12 10:00 am-11:50 pm CASA 311
Department consent required. Contact the CTE office at a LSC campus to register.
14711 ESOLC 3007501 5003 MW 9/12/12-12 9:25 am-11:40 am CASA 311
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood
3528 ESOLC 3007501 2220 TTh 8/29/12-12 10:30 am-12:20 pm LB 129
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris
14087 ESOLC 3007501 1101 MW 8/29/12-12 10:00 am-11:50 pm ACAD 128
Department consent required. Contact the CTE office at a LSC campus to register.
14090 ESOLC 3007501 1103 MW 8/29/12-12 12:30 pm-2:20 pm ACAD 215
Department consent required. Contact the CTE office at a LSC campus to register.
14092 ESOLC 3007501 1301 MW 8/29/12-12 8:00 pm-9:50 pm ACAD 215
Department consent required. Contact the CTE office at a LSC campus to register.

Basic English Skills

ESL New Student Orientation
ORTAC 6920001 4 Contact Hours $0
New student orientation for Basic ESL students. This orientation introduces students to the expectations of this class, their responsibilities, and general rules of participation. Students are assessed for placement and work on their individual academic goals for the semester.

Caney Creek High School
Caney Creek High School, 16840 Fm 2090, Conroe, TX 77306.

Ford Elementary
13801 ORTAC 6920001 4001 M 9/19 5:00 pm-9:00 pm
Communication for Workplace I

**COMGC 2100073** 64 Contact Hours $225

Designed for students whose primary language is other than English. Presentation of industry-related basic reading, writing, speaking, and listening skills. Emphasis on high-frequency vocabulary (basic sight words) and phonics; refining oral and written production and listening skills for enhanced job productivity; and increasing control of the English sound system to minimize on the job miscommunication or misperception due to foreign accent. The course provides learners with coping skills and cultural information necessary for written and oral workplace communication. It offers learners the opportunity to develop, practice and apply the basic structures of English, and to perform simple speaking, reading, and writing job-related tasks. Students enrolled in this course should have basic literacy skills in their native language and be familiar with Roman script.

**LSC-Conroe Center**

4798 COMGC 2100073 C001 Mt-Th 9/12-10/17 9:00 am-12:00 pm

4799 COMGC 2100073 C002 Th 9/20-12/6 6:00 pm-9:00 pm

Hybrid class with computer literacy component. Burlington English Software provided in classroom, no textbook is required, students need to purchase seat for $48 for 6 months. No class week of 11/21-11/25. Instruction Type: Hybrid, Internet.

**LSC-CyFair**

4935 COMGC 2100073 5002 NWF 8/22/9/28 6:00 pm-10:00 pm

Department consent required. Contact the CTE office at a LSC campus to register.

4934 COMGC 2100073 5001 Th 8/23/12/13 9:00 am-11:00 am

Department consent required. Contact the CTE office at a LSC campus to register.

**LSC-Kingwood**

4096 COMGC 2100073 2001 MtTh 9/19-11/10 6:00 pm-8:00 pm

**LSC-Montgomery**

4796 COMGC 2100073 4001 Th 9/20-12/6 9:00 am-12:00 pm

No class week of 11/21-11/25.

4797 COMGC 2100073 4002 Th 9/20-12/6 6:00 pm-9:00 pm

Hybrid class with computer literacy component. Burlington English Software provided in classroom, no textbook is required, students need to purchase seat for $48 for 6 months. No class week of 11/21-11/25. Instruction Type: Hybrid, Internet.

**LSC-North Harris**

2384 COMGC 2100073 1001 M-Th 9/6/10/19 8:30 am-10:30 am

Department consent required. Contact the CTE office at a LSC campus to register.

2387 COMGC 2100073 1004 Th 9/6/12/6 6:30 pm-9:00 pm

Department consent required. Contact the CTE office at a LSC campus to register.

2386 COMGC 2100073 1003 Th 10/13-12/15 6:30 pm-9:00 pm

Department consent required. Contact the CTE office at a LSC campus to register.

2385 COMGC 2100073 1002 M-Th 10/24-12/9 8:30 am-10:30 am

Department consent required. Contact the CTE office at a LSC campus to register.

**Communication for Workplace II**

**COMGC 2100148** 64 Contact Hours $225

Provides on-the-job dynamic communicative practice for students whose primary language is other than English, exposing students to the uses of language in a variety of relevant job-related contexts. This course helps increase proficiency in speaking and writing skills necessary for successful communication. Students gain mastery in the use of the basic structures of the language and can perform practical work-related oral and written tasks. The course focuses on continued emphasis on high-frequency vocabulary and phonics; and extensive practice in occupational reading, comprehension, listening, and speaking.

**LSC-Conroe Center**

4806 COMGC 2100148 C002 Th 9/20-12/6 6:00 pm-9:00 pm

Department consent required. Contact the CTE office at a LSC campus to register. Hybrid class with computer literacy component. Burlington English Software provided in classroom, no textbook is required, students need to purchase seat for $48 for 6 months. No class week of 11/21-11/25. Instruction Type: Hybrid, Internet.

4804 COMGC 2100148 C001 Mt-Th 10/31-12/12 9:00 am-12:00 pm

Department consent required. Contact the CTE office at a LSC campus to register. No class week of 11/21-11/25.

**LSC-CyFair**

4938 COMGC 2100148 5001 NWF 10/3-11/7 6:00 pm-10:00 pm

Department consent required. Contact the CTE office at a LSC campus to register.

4939 COMGC 2100148 5002 Th 10/18-12/13 9:00 am-1:00 pm

Department consent required. Contact the CTE office at a LSC campus to register.
Communication for Workplace III

COMGC 2100456  64 Contact Hours  $225

Improve in reading vocabulary/comprehension skills, as well as speaking, writing, and listening skills for job success. Focus on recognition and comprehension of idioms, analogies, antonyms, and synonyms, and context clues. Interpretation of factual material and inferences associated with job-related communication. Students increase their degree of fluency, accuracy, and comprehension in listening, speaking, writing, and reading skills necessary to satisfy the job demands. The course expands students' active vocabulary and comprehension of short paragraphs and enables them to work toward mastery of the major structures of the language as well as the basic mechanics of writing for professional communication.

LSC-Conroe Center

4852 COMGC 2100456  C001  M-Th  9/19-10/24  9:00 am-12:00 pm  Department consent required. Contact the CTE office at a LSC campus to register.

4853 COMGC 2100456  C002  MW  9/19-10/24  6:00 pm-9:00 pm  Department consent required. Contact the CTE office at a LSC campus to register. Hybrid class with computer literacy component. Burlington English Software provided in classroom, no textbook is required, students need to purchase seat for $48 for 6 months. No class week of 10/24-11/28. Instruction Type: Hybrid, Internet.

LSC-CyFair

4941 COMGC 2100456  5001  MWF  9/12-10/11  12:00 pm-2:00 pm  Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood

1274 COMGC 2100456  2001  M-Th  9/19-11/10  8:00 am-10:00 am  Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Montgomery

4849 COMGC 2100456  4001  MW  9/12-10/17  9:00 am-12:00 pm  Department consent required. Contact the CTE office at a LSC campus to register. No class week of 10/24-11/28.

4850 COMGC 2100456  4002  MW  9/12-10/17  6:00 pm-9:00 pm  Department consent required. Contact the CTE office at a LSC campus to register. No class week of 10/24-11/28.

4851 COMGC 2100456  4003  MW  9/12-10/17  6:00 pm-9:00 pm  Department consent required. Contact the CTE office at a LSC campus to register. Hybrid class with computer literacy component. Burlington English Software provided in classroom, no textbook is required, students need to purchase seat for $48 for 6 months. No class week of 10/24-11/28. Instruction Type: Hybrid, Internet.

LSC-North Harris

2408 COMGC 2100456  1001  MW  9/12-10/17  9:00 am-12:00 pm  Department consent required. Contact the CTE office at a LSC campus to register.

2413 COMGC 2100456  1003  MW  9/12-10/17  6:00 pm-9:00 pm  Department consent required. Contact the CTE office at a LSC campus to register.

2412 COMGC 2100456  1002  MW  10/24-12/9  10:30 am-12:30 pm  Department consent required. Contact the CTE office at a LSC campus to register.

Communication for Workplace IV

COMGC 2100562  64 Contact Hours  $225

Designed for students whose primary language is other than English. Focus on comprehending challenging industrial and job-related materials. Emphasis on industry-related vocabulary development and skills acquisition, including determining meaning from context, identifying word forms and variation in meaning, synonyms and antonyms, context clues, connotation and denotation, and fact and opinion. This course continues to provide dynamic communicative practice, exposing students to the uses of language in a variety of job-related contexts. This course enhances student’s ability to interact and exchange information, take surveys, role-play situations, and discuss various everyday situations and job-related topics.

LSC-Conroe Center

6007 COMGC 2100562  C002  MW  9/19-10/24  9:00 am-12:00 pm  Department consent required. Contact the CTE office at a LSC campus to register. Hybrid class with computer literacy component. Burlington English Software provided in classroom, no textbook is required, students need to purchase seat for $48 for 6 months. No class week of 10/24-11/28. Instruction Type: Hybrid, Internet.

6003 COMGC 2100562  C001  M-Th  10/31-12/12  9:00 am-12:00 pm  Department consent required. Contact the CTE office at a LSC campus to register. No class week of 11/21-11/25.

LSC-CyFair

4943 COMGC 2100562  5001  MWF  11/7-12/23  2:00 pm-6:00 pm  Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Montgomery

5996 COMGC 2100562  4001  MW  9/19-10/24  9:00 am-12:00 pm  Department consent required. Contact the CTE office at a LSC campus to register. No class week of 10/24-11/28.

5998 COMGC 2100562  4002  MW  9/19-10/24  9:00 am-12:00 pm  Department consent required. Contact the CTE office at a LSC campus to register. No class week of 10/24-11/28.

6001 COMGC 2100562  4003  MW  9/19-10/24  6:00 pm-9:00 pm  Department consent required. Contact the CTE office at a LSC campus to register. Hybrid class with computer literacy component. Burlington English Software provided in classroom, no textbook is required, students need to purchase seat for $48 for 6 months. No class week of 10/24-11/28. Instruction Type: Hybrid, Internet.

LSC-North Harris

2383 COMGC 2100562  1001  M-Th  10/24-12/9  10:30 am-12:30 pm  Department consent required. Contact the CTE office at a LSC campus to register.
Communication for Workplace, Basic  
COMGC 2100308  48 Contact Hours  $177
This course addresses essential listening, speaking, reading, writing, and computational skills required by business and industry. Improvement of communication skills as well as study skills related to successful job performance. The course is designed as the workplace literacy course for non-native speakers who have no formal training in English.

LSC-Conroe Center  
4809 COMGC 2100308 C001 M-Th 9/26-11/3  10:00 am-12:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Fairbanks Center  
4920 COMGC 2100308 F002 MW 8/22-10/10  6:00 pm-9:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
4919 COMGC 2100308 F001 TTh 8/23-9/29  9:00 am-1:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood  
4097 COMGC 2100308 2001 M-Th 9/12-10/20  8:00 pm-10:00 pm

LSC-Montgomery  
4808 COMGC 2100308 4001 M-Th 9/26-11/3  10:00 am-12:00 pm

LSC-North Harris  
2401 COMGC 2100308 1003 TTh 8/30-10/12  6:30 pm-9:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
2397 COMGC 2100308 1001 M-Th 9/6-10/17  8:30 am-10:30 am
Department consent required. Contact the CTE office at a LSC campus to register.
2399 COMGC 2100308 1002 M-Th 10/24-12/6  8:30 am-10:30 am
Department consent required. Contact the CTE office at a LSC campus to register.

Conversation for Workplace  
COMGC 2100366  40 Contact Hours  $144
Addresses essential listening, speaking, reading, writing, and computational skills required by business and industry. Improvement of communication skills as well as study skills related to successful job performance. The focus of this course is improvement of speaking skills of students whose primary language is other than English. The objective of this course is helping students to develop the skills needed for participating in conversations related to high-interest work-related and social situations.

LSC-Conroe Center  
4857 COMGC 2100366 C001 TTh 9/13-11/17  12:30 pm-2:30 pm
Levels 1/2.

LSC-Montgomery  
4855 COMGC 2100366 4002 MW 9/12-11/16  12:30 pm-2:30 pm
Department consent required. Contact the CTE office at a LSC campus to register.
Levels 3/4.
4856 COMGC 2100366 4003 MW 9/12-11/16  12:30 pm-2:30 pm
Department consent required. Contact the CTE office at a LSC campus to register.
Levels 3/4.
4854 COMGC 2100366 4001 TTh 9/13-11/17  12:30 pm-2:30 pm
Levels 1/2.

LSC-North Harris  
2402 COMGC 2100366 1001 M-Th 9/14-10/18  12:30 pm-2:30 pm
Department consent required. Contact the CTE office at a LSC campus to register.
2405 COMGC 2100366 1003 TTh 10/11-12/6  6:30 pm-9:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
2403 COMGC 2100366 1002 M-Th 11/1-12/7  12:30 pm-2:30 pm
Department consent required. Contact the CTE office at a LSC campus to register.

Grammar and Writing for the Workplace I  
COMGC 2100561  64 Contact Hours  $225
Designed for students whose primary language is other than English. Focus on comprehending challenging industrial and job-related materials. Emphasis on industry-related vocabulary development and skills acquisition, including determining meaning from context, identifying word forms and variation in meaning, synonyms and antonyms, context clues, connotation and denotation, and fact and opinion. This course enhances student’s mastery of the grammar structures and writing skills necessary for workplace communication, and provides dynamic communication in a variety of workplace contexts.

LSC-Montgomery  
6153 COMGC 2100561 4001 MW 9/12-12/12  12:30 pm-3:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
No class week of 11/21-11/25. Advanced levels.

Pronunciation for the Workplace I  
COMGC 2100671  30 Contact Hours  $114
Mastery of a selected vocabulary of technical/ occupational terms, including appropriate pronunciation of terms and use of English language structures required by business and industry for successful on-the-job performance. This course is designed to improve non-native English speaker’s pronunciation skills by increasing control of the English sound system.

LSC-Montgomery  
6018 COMGC 2100671 4001 F 9/9-12/2  9:00 am-11:30 am
No class 11/25. Levels 1/2.

Pronunciation for the Workplace II  
COMGC 2100672  30 Contact Hours  $114
Mastery of a selected vocabulary of technical/occupational terms, including appropriate pronunciation of terms and use of English language structures required by business and industry for successful on-the-job performance. This course is a continuation of Pronunciation for the Workplace I. Students increase control of the English sound system to minimize miscommunication or misperception due to foreign accent.

LSC-Montgomery  
6033 COMGC 2100672 4001 F 9/9-12/2  9:00 am-11:30 am
Department consent required. Contact the CTE office at a LSC campus to register.
7705 COMGC 2100672 4002 F 9/9-12/2  9:00 am-11:30 am
Department consent required. Contact the CTE office at a LSC campus to register.
7709 COMGC 2100672 4003 F 9/9-12/2  12:30 pm-3:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
No class 11/25. Advanced class for students who have taken Pronunciation I prior to Summer 2016.
LANGUAGES

Overview

Whether you would like to learn a language for travel or to increase your employability, the ability to speak another language is increasingly important in the Houston area. Discover how learning a language can enrich your life.

Specialized Courses

We live in a multicultural, ethnically-diverse nation, making learning multiple languages more important than ever. Lone Star College has a variety of courses and programs designed to help at home, school or work.

For more information, go to LoneStar.edu/CE.

Linked with a credit course. See page 5 for requirements.
Arabic

Arabic I, Conversational
LANGC 3300001 24 Contact Hours $156
Senior Fee: $129.60
Emphasis is on Egyptian Arabic while developing vocabulary and phraseology used for business and other communication needs. Instruction in selected vocabulary, pronunciation and basic structures used by those employed.
LSC-Tomball 8193 LANGC 3300001 3001 T 9/6-10/25 6:00 pm-9:00 pm

Arabic I, Beginning
ARABC 3000001 80 Contact Hours $276
This course includes beginner’s punctuation, oral practice, conversation, development of listening comprehension, basic principles of grammar, simple exercises in composition, easy reading which includes cultural material. This course is linked to ARAB 1411.
LSC-Tomball 10308 ARABC 3000001 3001 So 9/9-12/18 8:30 am-1:50 pm S 205
Department consent required. Contact the CTE office at a LSC campus to register.

Arabic II, Beginning
ARABC 3101101 80 Contact Hours $276
This course is a continuation of ARAB 1411 with increased emphasis on conversation while developing Arabic vocabulary and phraseology used for business, travel and other communication needs. Instruction in selected vocabulary, pronunciation and basic structures used by those employed.
LSC-University Park 16731 ARABC 3101101 6001 Sa 9/9-12/18 1:00 pm-4:10 pm UP13 507
This is a hybrid class that requires independent online work and face to face class participation. Internet access is required. This class will meet on Saturdays beginning Sept 10. Instruction Type: Hybrid, Internet.

Chinese

Chinese I, Beginning
CHINC 3101101 80 Contact Hours $272
An introduction to modern spoken and written Mandarin Chinese. Beginners speaking, listening comprehension and basic principles in grammar along with simple exercises in composition and reading which include cultural material. Students will write Chinese characters. This course is linked to CHIN 1411. Prerequisite: ENGL 0305 or ENGL 0316 AND ENGL 0307 or 0326, OR higher level course (ENGL 1301), OR placement by testing.
LSC-University Park 14885 CHINC 3101101 4001 MW 9/9-12/18 9:00 am-11:50 am
Classroom instruction in Chinese. Lab hours are included in lecture component.

Chinese II, Beginning
CHINC 3101102 80 Contact Hours $272
A continuation of CHIN 1411 as an introduction to modern spoken and written Mandarin Chinese. Increased emphasis on speaking, listening comprehension, and basic principles in grammar along with simple exercises in compositions and reading which include cultural material. Students will write Chinese characters. This course is linked to CHIN 1412. Prerequisite: College Level Readiness in Reading AND Writing; Completion of CHIN 1411.
LSC-Tomball 10334 CHINC 3101102 3001 MW 8/29-12/18 6:30 pm-8:45 pm S 279
Department consent required. Contact the CTE office at a LSC campus to register.

French

French I, Conversational
FRENC 3100114 24 Contact Hours $453
Senior Fee: $426.60
Emphasis is on conversation while developing French vocabulary and phraseology used for business, travel and other communication needs. Instruction in selected vocabulary, pronunciation and basic structures used by those employed.
LSC-Tomball 2999 FRENC 3100114 3001 TTh 9/20-10/13 6:00 pm-9:00 pm

French II, Conversational
FRENC 3100115 24 Contact Hours $453
Senior Fee: $426.60
Emphasis is on conversation while developing French vocabulary and phraseology used for business, travel and other communication needs. Instruction in selected vocabulary, pronunciation and basic structures used by those employed. Prerequisite: French I or its equivalent.
LSC-Tomball 3001 FRENC 3100115 3001 TTh 10/18-11/10 6:00 pm-7:20 pm

French I, Beginning
FRENC 3141101 80 Contact Hours $260
This course includes beginner’s pronunciation, oral practice, conversation, use of recordings for ear training, basic principles of grammar, simple exercises in composition, easy reading which includes cultural material. This course is linked to FREN 1411. Prerequisite: ENGL 0305 or ENGL 0316 AND ENGL 0307 or 0326 or 0356, OR higher level course (ENGL 1301), OR placement by testing.
LSC-Creekside Center 10705 FRENC 3141101 K001 MW 9/12-12/18 9:30 am-12:10 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Montgomery 14930 FRENC 3141101 4301 MW 8/29-12/18 6:00 pm-8:25 pm MC6G 122
Students with previous French experience take placement test. Classroom instruction in French. Lab hours are included in lecture component. Includes 10-min break.

LSC-North Harris 15675 FRENC 3141101 1201 TTh 8/29-12/18 9:00 am-11:20 am SB 205
German I, Conversational
GERMC 3100181 24 Contact Hours $453
Senior Fee: $426.60
Emphasis is on conversation while developing German vocabulary and phraseology used for business, travel, and other communication needs.

LSC-Tomball
3003 GERMC 3100181 3001 W 8/24-10/12 6:00 pm-9:00 pm

German II, Conversational
GERMC 3100182 24 Contact Hours $453
Senior Fee: $426.60
This course is a continuation of German I. Continued emphasis is on conversation while developing German vocabulary and phraseology used for business, travel, and other communication needs.

LSC-Tomball
16543 GERMC 3100182 3001 TTh 9/12/18 12:30 pm-1:50 pm UP13 431
This is a hybrid 14 week late start class meeting 9/12/16-12/18/16. This class requires online work and face to face class participation. Internet access required. Instruction Type: Hybrid, Internet.

Italian

Italian I, Conversational
ITALC 3100193 24 Contact Hours $453
Senior Fee: $426.60
Learn the romance language. Emphasis is on conversation while developing vocabulary and phraseology used for business, travel and pleasure.

LSC-Tomball
3004 ITALC 3100193 3001 W 10/19-12/14 6:00 pm-9:00 pm

Italian II, Conversational
ITALC 3100194 24 Contact Hours $453
Senior Fee: $426.60
A continuation of Italian conversational comprehension and speaking skills with a focus on idiomatic expressions and sentence structure. Prerequisite: Italian I.

LSC-Tomball
3007 ITALC 3100194 3001 Th 9/6-9/29 6:00 pm-9:00 pm
Japanese

Japanese I, Beginning
JAPNC 3101101 80 Contact Hours $260
Beginner’s oral practice and dictation. Conversation, use of recordings for ear training, basic principles of grammar, simple exercises in composition, easy reading which includes cultural material. This course is linked to JAPN 1411. Prerequisite: ENGL0305 or ENGL 0316 AND ENGL 0307 or 0326, OR higher level course [ENGL 1301], OR placement by testing.

LSC-Tomball
10663 JAPNC 3101101 3001 MW 8/29/12/18 9:00 am-11:15 am S 205
Department consent required. Contact the CTE office at a LSC campus to register.

Japanese II, Beginning
JAPNC 3101201 80 Contact Hours $260
A continuation of JAPN 1411 with increased emphasis on comprehension, speaking, reading and writing. Intensive drills to increase vocabulary and knowledge of structure. This course is linked to JAPN 1412. Prerequisite: JAPN 1411 or 2 years high school language in the preceding two years, ENGL 0305 OR (ENGL 0316 and ENGL 0307 or 0326), OR higher level course [ENGL 1301], OR placement by testing.

LSC-Kingwood
13853 JAPNC 3101201 2001 TTh 8/29/12/18 8:30 am-10:50 am LIB 225
Students must have textbook by third day of semester.

LSC-Tomball
10666 JAPNC 3101201 3001 MW 8/29/12/18 12:00 pm-2:15 pm S 205
Department consent required. Contact the CTE office at a LSC campus to register.

Spanish

Spanish I, Conversational
SPANC 3100134 24 Contact Hours $453
Senior Fee: $426.60
Emphasis is on conversation while developing Spanish vocabulary and phraseology used for business, travel and other communication needs. Instruction in selected vocabulary, pronunciation and basic structures used by those employed.

LSC-Kingwood
4121 SPANC 3100134 2001 MW 9/12/10/19 6:00 pm-8:00 pm

LSC-Montgomery
4503 SPANC 3100134 4001 TTh 9/6/10/13 12:30 pm-2:30 pm
Department consent required. Contact the CTE office at a LSC campus to register.
4506 SPANC 3100134 4002 MW 9/7/10/17 6:00 pm-8:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Tomball
8227 SPANC 3100134 3003 TTh 8/30/10/6 9:00 am-11:00 am
8235 SPANC 3100134 3004 TTh 8/30/10/6 6:30 pm-8:30 pm
8207 SPANC 3100134 3001 Th 9/10/10/20 1:00 pm-4:00 pm
8217 SPANC 3100134 3002 Sa 9/3/10/22 8:00 am-11:00 am

Spanish II, Conversational
SPANC 3100135 24 Contact Hours $453
Senior Fee: $426.60
This class provides a continuation of Spanish conversational skills focusing on idiomatic expressions and sentence structure. Instruction in selected vocabulary, pronunciation, and basic structures used by those employed. Prerequisite: Spanish I or its equivalent.

LSC-Montgomery
4508 SPANC 3100135 4001 Th 10/20/12/6 12:30 pm-2:30 pm
Department consent required. Contact the CTE office at a LSC campus to register.
No class week of 11/21 - 11/25.
4510 SPANC 3100135 4002 MW 10/24/12/7 6:00 pm-8:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
No class week of 11/21 - 11/25.

LSC-Tomball
8242 SPANC 3100135 3001 Th 10/11/11/17 9:00 am-11:00 am
8247 SPANC 3100135 3002 TTh 10/11/11/17 6:30 pm-8:30 pm

Spanish III, Conversational
SPANC 3100136 24 Contact Hours $453
Senior Fee: $426.60
This course is designed to amplify the basic concepts learned in Spanish II with drills for mastery in basic structural patterns and functional vocabulary, pronunciation, and basic structures used by those employed. Prerequisite: Spanish II, Conversational or its equivalent.

LSC-Montgomery
4514 SPANC 3100136 4001 Th 10/20/12/6 9:00 am-11:00 am
Department consent required. Contact the CTE office at a LSC campus to register.
No class week of 11/21 - 11/25.

Spanish I, Beginning
SPANC 3141101 80 Contact Hours $260
This course includes beginner’s pronunciation, oral practice, conversation, use of recordings for ear training, basic principles of grammar, simple exercises in composition, easy reading which includes cultural material. This course is linked to SPAN 1411. Prerequisite: ENGL 0305 AND ENGL 0307 or 0356, OR higher level course [ENGL 1301], OR placement by testing.

LSC-Kingwood
13860 SPANC 3141101 2001 MW 8/29/12/18 9:00 am-10:50 am LIB 225
Students must have textbook by third day of semester.

LSC-Montgomery
7370 SPANC 3141101 4003 MW 8/29/12/18 10:00 am-12:25 pm MC G 6122
Students with previous Spanish experience take placement test. Classroom instruction in Spanish. Lab hours are included in Lecture component.
7391 SPANC 3141101 4001 3001 MW 8/29/12/18 6:00 pm-8:25 pm MC G 6105
Students with previous Spanish experience take placement test. Classroom instruction in Spanish. Lab hours are included in Lecture component. Includes 10 min break.
7366 SPANC 3141101 4001 3001 MW 8/29/12/18 9:00 am-10:30 am MC G 6105
Students with previous Spanish experience take placement test. Classroom instruction in Spanish. Lab hours are included in Lecture component.
7385 SPANC 3141101 4009 Th 8/29/12/18 9:00 am-11:25 am MC G 6105
Students with previous Spanish experience take placement test. Classroom instruction in Spanish. Lab hours are included in Lecture component.
7377 SPANC 3141101 4005 8/29/12/18
Students with previous Spanish experience take placement test. Classroom instruction in Spanish. Lab hours are included in Lecture component. Instruction
Spanish I, Intermediate

SPANC 3231101 48 Contact Hours $198
This course stresses both oral and written exercises to increase vocabulary, expansion of grammar principles, and short themes written on a variety of topics. Selected readings are included to improve comprehension in Spanish. This course is linked to SPAN 2311. Prerequisites: SPAN 1412 or SPANC 3101201 or placement exam; ENGL 0305 and ENGL 0307 or higher level course (ENGL 1301) or placement by testing.

LSC-Montgomery
7439 SPANC 3231101 4001 8/29-10/23
Instruction Type: Online.

LSC-University Park
1657 SPANC 3231101 6001 9/12-12/18
This is an online 14 week late start class meeting 9/12/18-12/18/16. Internet access is required. Access your online course at www.LoneStar.edu/lsc-online. Instruction Type: Online.

Spanish II, Intermediate

SPANC 3323102 80 Contact Hours $260
This course provides a continuation of Spanish I, Beginning with increased emphasis on comprehension, speaking, reading and writing. Included are intensive drills to increase vocabulary and knowledge of structure. Spanish I, Beginning or 2 years of high school language study within the preceding two years is a prerequisite. This course is linked to SPAN 1412. Prerequisite: SPAN 1411 or SPANC 3101101 and ENGL 0305 or ENGL 0365 and ENGL 0307 or ENGL 0375 or higher level course (ENGL 1301) or placement by testing.

LSC-Montgomery
7421 SPANC 3141201 4001 MWF 8/29-12/18 11:00 am-12:30 pm MC-G 105
This is a hybrid class that requires independent online work and face to face class participation. Internet access is required. Instruction Type: Hybrid, Internet.

LSC-Unciversity Park
1656 SPANC 3141201 6001 TTh 8/29-12/18 10:00 am-12:25 pm UP13 507
This is a 14 week late start class meeting 9/12/16-12/18/16.

LSC-Montgomery
7430 SPANC 3141201 4003 TTh 8/29-12/18 10:00 am-12:25 pm MC-G 105
Spanish 1411 or placement test required. Lab hours are included in Lecture component.

LSC-University Park
1654 SPANC 3141201 6001 9/12-12/18
This is an online 14 week late start class meeting 9/12/16-12/18/16. Internet access is required. Instruction Type: Online.

Spanish II, Beginning

SPANC 3231101 80 Contact Hours $260
This course provides a continuation of Spanish I, Beginning with increased emphasis on comprehension, speaking, reading and writing. Included are intensive drills to increase vocabulary and knowledge of structure. Spanish I, Beginning or 2 years of high school language study within the preceding two years is a prerequisite. This course is linked to SPAN 1412. Prerequisite: SPAN 1411 or SPANC 3101101 and ENGL 0305 or ENGL 0365 and ENGL 0307 or ENGL 0375 or higher level course (ENGL 1301) or placement by testing.

LSC-Montgomery
7421 SPANC 3141201 4001 MWF 8/29-12/18 11:00 am-12:30 pm MC-G 105
This is a hybrid class that requires independent online work and face to face class participation. Internet access is required. Instruction Type: Hybrid, Internet.

LSC-University Park
1656 SPANC 3141201 6001 TTh 9/12-12/18 6:00 pm-8:40 pm UP13 507
This is a 14 week late start class meeting 9/12/16-12/18/16.

LSC-Montgomery
7430 SPANC 3141201 4003 TTh 8/29-12/18 10:00 am-12:25 pm MC-G 105
Spanish 1411 or placement test required. Lab hours are included in Lecture component.

LSC-University Park
1654 SPANC 3141201 6001 9/12-12/18
This is an online 14 week late start class meeting 9/12/16-12/18/16. Internet access is required. Instruction Type: Online.
**GED® Test Preparation & Test**

**Overview**

Do you need to take the GED®?

A high school diploma or its equivalent will get you into college, up the workforce ladder and closer to your personal goals. Online or face to face, full review or subject by subject, Lone Star College has a GED® for you. Lone Star College also offers test preparation for the SAT and TSIA.

For additional information, contact a campus near you or go to LoneStar.edu/College-Prep.
Adult Education GED® ORT

ABEAC 6900004  6 Contact Hours  $0
This orientation introduces students to the expectations of the class, their responsibilities, and general rules of participation. Placement testing is conducted during the orientation in order to place students in the appropriate class; AEL or CE. Registration for the orientation session prior to the scheduled orientation is required.

LSC-Conroe Center
17188 ABEAC 6900004 C002 M 10/3  6:00 pm-9:00 pm
17188 ABEAC 6900004 C002 T 10/4  9:00 am-12:00 pm

LSC-CyFair
14069 ABEAC 6900004 5001 M 9/12  9:00 am-3:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Greenspoint Center
13836 ABEAC 6900004 G001 Th 9/15  9:00 am-3:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris
13935 ABEAC 6900004 E001 Th 9/1  9:00 am-3:00 pm  EMCID 110
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Montgomery
13824 ABEAC 6900004 4001 TW 9/13/14  6:00 pm-9:00 pm

LSC-Tomball
13829 ABEAC 6900004 3001 M 8/29  9:00 am-3:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-University Park
13762 ABEAC 6900004 6001 W 8/31  9:00 am-3:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Victory Center
13835 ABEAC 6900004 V001 W 9/7  9:00 am-3:00 pm  VC 102
Department consent required. Contact the CTE office at a LSC campus to register.

Mance Park Middle School
17189 ABEAC 6900004 C003 M 9/26  6:00 pm-9:00 pm  OFFSITE-ID
Mance Park Middle School, 1010 8th St, Huntville, TX 77340.
17189 ABEAC 6900004 C003 T 9/27  9:00 am-12:00 pm  OFFSITE-ID
Mance Park Middle School, 1010 8th St, Huntville, TX 77340.

Oscar Johnson Center
17187 ABEAC 6900004 C001 M 10/10  6:00 pm-9:00 pm  OFFSITE-ID
Oscar Johnson Center, 100 Park Place, Conroe, TX 77301.
17187 ABEAC 6900004 C001 T 10/11  9:00 am-12:00 pm  OFFSITE-ID
Oscar Johnson Center, 100 Park Place, Conroe, TX 77301.

Citizenship Preparation

DEVSC 3900006  15 Contact Hours  $91.50
Senior Fee: $75
This course helps legalized permanent residents meet the objectives for the INS interview for citizenship eligibility. While focusing on the 100 questions produced by the INS for the interview, it helps students acquire basic knowledge of U.S. History and Government in order to become better and more informed citizens of this country.

LSC-Atascocita Center
4089 DEVSC 3900006 A001 F 10/7-11/11  1:00 pm-3:00 pm

GED Full Review

DEVSC 3900506  42 Contact Hours  $123
Senior Fee: $100.20
Instruction in the content areas of the GED Test: Reasoning through Language Arts, Mathematics, Social Studies, and Science. A person must be 17 years of age to take this class. The GED test must be registered for separately.

LSC-Atascocita Center
4089 DEVSC 3900506 A001 Th 9/13-10/27  3:00 pm-6:00 pm
4095 DEVSC 3900506 A002 Th 10/18-12/6  6:00 pm-9:00 pm

LSC-Conroe Center
4010 DEVSC 3900506 C001 MW 8/22-10/10  12:30 pm-3:30 pm
Department consent required. Contact the CTE office at a LSC campus to register. Closed 9/5/2016.
4002 DEVSC 3900506 C001 Th 8/26-10/6  9:00 am-12:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
4003 DEVSC 3900506 C001 Th 10/18-12/6  9:00 am-12:00 pm
Department consent required. Contact the CTE office at a LSC campus to register. Closed 11/24/2016.

LSC-CyFair
4752 DEVSC 3900506 5001 MW 8/22-10/10  6:00 pm-9:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.
4753 DEVSC 3900506 5002 Th 8/23-10/6  9:00 am-12:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-EMCID
4085 DEVSC 3900506 E001 MW 9/19-11/2  6:00 pm-9:00 pm

LSC-Fairbanks Center
4754 DEVSC 3900506 F001 F 9/2-12/9  6:00 pm-9:00 pm
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris
16827 DEVSC 3900506 1006 MW 8/22-10/10  6:00 pm-9:00 pm
5910 DEVSC 3900506 1001 Th 8/30-10/13  9:00 am-12:00 pm
5923 DEVSC 3900506 1005 Sa 10/1-12/10  9:00 am-1:40 pm
5913 DEVSC 3900506 1002 MW 10/3-11/16  6:00 pm-9:00 pm
5920 DEVSC 3900506 1004 MW 10/26-12/14  9:00 am-12:00 pm
5915 DEVSC 3900506 1003 Th 11/21-12/15  1:00 pm-4:00 pm

LSC-Tomball
2933 DEVSC 3900506 3002 MWF 8/22-9/23  9:00 am-12:00 pm  S 208
Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
2932 DEVSC 3900506 3001 MW 8/31-10/19  6:00 pm-9:00 pm  S 208
Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
2933 DEVSC 3900506 3004 MWF 9/26-10/26  9:00 am-12:00 pm  S 208
Department consent required. Contact the CTE office at a LSC campus to register. Instruction Type: Hybrid, Internet.
2934 DEVSC 3900506 3003 Th 10/6-11/22  6:00 pm-9:00 pm  S 208
Department consent required. Contact the CTE office at a LSC campus to register.
Math Prep  
DEVSC 3800002  30 Contact Hours  $84  
Senior Fee: $69

If you are planning to take a technical workforce course, a college algebra math course, need support for contextualized workforce courses, prepare for the TSIA (college entrance assessment), or the GED® Mathematical Reasoning test, but know that you need some extra help with Math skills; then this hands-on class is for you. Through exercises completed both in and outside of class, participants will strengthen their abilities to work problems covering arithmetic operations, decimals, fractions, percents, geometry, and basic algebra. Participants will receive support in software to enhance the learning experience. You must be at least 17 years of age to take this class.

LSC-Conroe Center  
4598  DEVSC 3800002  C001  Tth  8/23-10/6  1:00 pm-4:00 pm  
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-CyFair  
4749  DEVSC 3800002  5001  Sa  9/10-11/12  9:00 am-12:00 pm  
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-Kingwood  
4098  DEVSC 3800002  2001  MW  9/12-10/13  6:00 pm-9:00 pm

LSC-North Harris  
5950  DEVSC 3800002  1002  MW  10/17-11/16  6:00 pm-9:00 pm

LSC-Tomball  
7350  DEVSC 3800002  3001  Tth  9/19-11/2  9:00 am-12:00 pm

LSC-University Park  
5121  DEVSC 3800002  6001  Wf  10/19-12/14  1:00 pm-3:00 pm  
UP-ENI 215

Pre-GED  
DEVSC 3300009  42 Contact Hours  $109  
Senior Fee: $89

This course is for students with no previous high school experience. Emphasis is placed on building mathematics, writing, reading, and critical thinking skills necessary to a successful transition into a GED class. Prerequisite: ABEC1 6900004

LSC-CyFair  
4747  DEVSC 3300009  5001  F  8/26-11/11  9:00 am-3:00 pm  
Department consent required. Contact the CTE office at a LSC campus to register.

LSC-North Harris  
16826  DEVSC 3300009  1006  MW  8/22-10/10  6:00 pm-9:00 pm

LSC-Tomball  
5925  DEVSC 3300009  1001  MW  8/29-10/17  9:00 am-12:00 pm

LSC-University Park  
5927  DEVSC 3300009  1002  Th  9/6-10/20  1:00 pm-4:00 pm

5931  DEVSC 3300009  1004  Th  10/25-12/13  9:00 am-12:00 pm

5929  DEVSC 3300009  1003  MTh  11/14-12/8  1:00 pm-4:00 pm

GED® Test Preparation & Test

GED Revisión en Español  
DEVSC 3930001  42 Contact Hours  $123  
Senior Fee: $100.20

La preparación en las cinco áreas del GED en Español examen: GED matemáticas, estudios sociales de GED, GED ciencia, comprensión de lectura de GED y escritura GED. La persona interesada en este curso, debe ser de 17 años de edad al registrarse.

LSC-Conroe Center  
4600  DEVSC 3930001  C001  MTh  8/29-9/1  6:30 pm-9:30 pm  
Department consent required. Contact the CTE office at a LSC campus to register.  
Closed 9/5/2016.

LSC-North Harris  
1861  DEVSC 3930001  1001  MW  9/7-10/24  6:00 pm-9:00 pm  
DTEC 102

LSC-Tomball  
2938  DEVSC 3930001  3002  Th  8/30-10/13  9:00 am-12:00 pm  
S 207

Department consent required. Contact the CTE office at a LSC campus to register.

2937  DEVSC 3930001  3001  MW  8/31-10/19  6:00 pm-9:00 pm  
S 207  
Department consent required. Contact the CTE office at a LSC campus to register.

7386  DEVSC 3930001  3004  MW  10/17-12/5  9:00 am-12:00 pm  
S 207

7380  DEVSC 3930001  3003  Th  10/20-12/8  6:00 pm-9:00 pm  
S 207

LSC-University Park  
5123  DEVSC 3930001  6001  MW  9/6-10/20  6:00 pm-9:00 pm  
UP-ENI 214

5124  DEVSC 3930001  6002  MW  10/25-12/13  6:00 pm-9:00 pm  
UP-ENI 214

Department consent required. Contact the CTE office at a LSC campus to register.

Hybrid class some face to face meetings required  
Instruction Type: Hybrid, Internet.


GED® Test Preparation & Test

**Pre-GED in Spanish**

DEVSC 3300010 42 Contact Hours $109

Senior Fee: $89

Este curso es para estudiantes que no han tenido estudios de preparatoria previos. Este curso hace hincapié en desarrollar las habilidades de pensamiento crítico en matemáticas, escritura y lectura, necesarias para una transición efectiva a clases de GED. Prerrequisitos: ABEAC 6900004

**LSC-North Harris**

5935 DEVSC 3300010 1001 TTh 9/6-10/20 6:00 pm-9:00 pm

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**SAT Preparation**

DEVSC 3900402 32 Contact Hours $185

Senior Fee: $149.80

This course prepares high school students to take the current SAT Test. Students will learn critical thinking, and test strategies for both the verbal and math portions of the SAT test. Verbal instruction will include methods to increase reading comprehension, understanding author’s point of view, sentence completion, vocabulary emphasis, and student-written essay. Math instruction will include methods to increase problem recognition, analysis, logic utilization and deductive reasoning with an increased emphasis on topics such as linear functions, manipulations, and geometric properties.

**LSC-Atascocita Center**

4091 DEVSC 3900402 A001 MTh 9/19-9/29 6:00 pm-8:00 pm

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**Skills for Language Arts**

DEVSC 3800001 30 Contact Hours $84

Senior Fee: $69

If you are planning to take a technical workforce course, need support for contextualized workforce courses, prepare for the TSIA (college entrance assessment), or the GED® Reasoning Through Language Arts test, but know that you need some extra help with reading and writing skills; then this hands-on class is for you. Through exercises completed both in and outside of class, participants will strengthen their level of reading comprehension, critical thinking abilities, basic writing, editing, and grammar skills. This course will include contextualization of vocabulary and literature related to one or more industry programs or occupations. Participants will receive support in a traditional classroom setting to enhance the learning experience. You must be at least 17 years of age to take this class.

**LSC-North Harris**

5939 DEVSC 3800001 1002 MW 10/17-11/16 6:00 pm-9:00 pm

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**Transitions in Language Arts**

DEVSC 3940028 48 Contact Hours $138

Senior Fee: $114

Emphasis is on refining reading and writing skills required for college success. Transitions in Language Arts is aligned with Texas CCRS. Topics include critical reading skills, note-taking strategies, writing essays and research papers. In addition, understanding the importance of learning styles and time management in reading and writing will be addressed. This course is delivered in a hybrid format and employs an individualized/modularized approach so students can work on their problem areas as determined by an initial diagnostic test.

**LSC-North Harris**

5955 DEVSC 3940028 1001 TTh 9/13-10/20 1:00 pm-5:00 pm

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**Transitions Math**

DEVSC 3940027 48 Contact Hours $138

Transitions Math is aligned with Texas CCRS. This course teaches critical thinking skills and essentials math strategies needed for placement in college level mathematics. In addition, understanding the importance of learning styles and time management in math will be addressed. Course emphasis will be on fundamental mathematics, introductory and intermediate algebra, and geometry. The Transitions Math course is delivered in a hybrid format and incorporates lab activities to develop students’ problem solving and study skills as determined by an initial diagnostic test.

**LSC-North Harris**

5956 DEVSC 3940027 1001 TTh 10/25-12/6 1:00 pm-5:00 pm

---
<table>
<thead>
<tr>
<th>Credit Workforce Certificate Programs</th>
<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AGRICULTURE, FOOD &amp; NATURAL RESOURCES</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Veterinary Technology</td>
<td></td>
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<tr>
<td>Veterinary Technology, AAS</td>
<td>$27,773</td>
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<td>Veterinary Assistant Certificate Level I</td>
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<td><strong>ARCHITECTURE &amp; CONSTRUCTION</strong></td>
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<td>Electrical Technology</td>
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<td>Electrical Technology, AAS</td>
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<tr>
<td><strong>Engineering Design Technology</strong></td>
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<tr>
<td>Architectural Engineering Technology AAS Degree</td>
<td>$41,549</td>
<td>79%</td>
<td>70</td>
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<tr>
<td>Mechanical Engineering Technology AAS Degree</td>
<td>$60,506</td>
<td>24.3%</td>
<td>150</td>
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<tr>
<td>Computer-Aided Design Operator/Drafting Certificate Level I, Mechanical, Manufacturing, Product Design Discipline</td>
<td>$57,692</td>
<td>15.3%</td>
<td>55</td>
</tr>
<tr>
<td>*AutoCAD Draftsman Certificate</td>
<td>$57,692</td>
<td>15.3%</td>
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<tr>
<td>*SolidWorks Designer Certificate</td>
<td>$48,348</td>
<td>6.7%</td>
<td>90</td>
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<td><strong>Heating, Ventilation, Air Conditioning (HVAC) &amp; Refrigeration</strong></td>
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<tr>
<td>HVAC &amp; Refrigeration, AAS</td>
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<td>HVAC &amp; Refrigeration Commercial Servicing Certificate Level I</td>
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<td>HVAC &amp; Refrigeration Residential Servicing Certificate Level I</td>
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<td>HVAC Occupational Entry Certificate Level I</td>
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<td>*HVAC NCCER Certificate</td>
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<td>*HVAC Occupational Entry Certificate</td>
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<td><strong>Land Surveying &amp; Mapping Technology</strong></td>
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<td>Land Surveyor Certificate Level I</td>
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<tr>
<td><strong>ARTS, AUDIO/VISUAL TECHNOLOGY &amp; COMMUNICATION</strong></td>
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<tr>
<td>Game Design &amp; Simulaiton</td>
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<tr>
<td>Game Design &amp; Simulation Designer (Artistic) Specialization, AAS</td>
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<tr>
<td>Game Design &amp; Simulation Designer (Artistic) Certificate Level II</td>
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<td>Game Design &amp; Simulation Developer (Programming) Specialization, AAS</td>
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<td>Game Design &amp; Simulation Developer (Programming) Certificate Level II</td>
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<tr>
<td><strong>Live Entertainment Technology</strong></td>
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<tr>
<td>Live Entertainment Technology, AAS</td>
<td>$36,155</td>
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<tr>
<td>Live Entertainment Technology Certificate Level I</td>
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<tr>
<td>Live Entertainment Technology Video AAS Degree</td>
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<td>Video Production for Live Entertainment Technology Certificate Level II</td>
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<td>Video Production for Live Entertainment Technology Certificate Level I</td>
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<tr>
<td><strong>Visual Communication</strong></td>
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<tr>
<td>Visual Communication AAS, 3D Animation Track</td>
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<td>Visual Communication AAS, Graphic Design Track</td>
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<td>Visual Communication AAS, Multimedia Track</td>
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<td>Multimedia Designer Certificate Level II</td>
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<tr>
<td>Visual Communication AAS, Video and Post Production Track</td>
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<td>Video and Post Production Certificate Level II</td>
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<td>Digital Photography Enhanced Skills Certificate</td>
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<td><strong>Web</strong></td>
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<tr>
<td>Web Developer Certificate</td>
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### Median Salaries & Job Growth Projections (As of 5.24.16)

<table>
<thead>
<tr>
<th>Credit Workforce Certificate Programs</th>
<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
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<tbody>
<tr>
<td><strong>BUSINESS MANAGEMENT &amp; ADMINISTRATION</strong></td>
<td></td>
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<tr>
<td>Accounting</td>
<td></td>
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<tr>
<td>Accounting, AAS</td>
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<tr>
<td>Accounting Certificate Level II</td>
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<tr>
<td>Accounting Advanced Technical Certificate in Professional Accounting</td>
<td>$60,306</td>
<td>24.3%</td>
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<td>*Accounting Assistant/Bookkeeper Certificate</td>
<td>$35,768</td>
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<td>$38,128</td>
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<tr>
<td>*Payroll Professional Certificate</td>
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<tr>
<td>Administrative Services</td>
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<tr>
<td>Administrative Services AAS, Administrative</td>
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<tr>
<td>Administrative Support Certificate Level II, Administrative Specialty</td>
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<tr>
<td>Administrative Services AAS, Medical</td>
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<td>Administrative Support Certificate Level II, Medical Specialty</td>
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<tr>
<td>Administrative Services AAS, Office Applications</td>
<td>$29,066</td>
<td>15.9%</td>
<td>2,885</td>
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<td>Administrative Support Certificate Level II, Office Applications</td>
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<tr>
<td>Business Operations Assistant Certificate Level I</td>
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<tr>
<td><strong>Business Administration</strong></td>
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<tr>
<td>Business Administration, AAS, Business Management Specialization</td>
<td>$52,154</td>
<td>22.8%</td>
<td>1,335</td>
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<tr>
<td>Business Administration Certificate Level II, Business Management Specialization</td>
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<tr>
<td>Business Operations Certificate Level II</td>
<td>$29,066</td>
<td>15.9%</td>
<td>2,885</td>
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<tr>
<td>Business Administration, AAS, Human Resource Specialization</td>
<td>$57,692</td>
<td>20.8%</td>
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<tr>
<td>Business Administration Certificate Level II, Human Resource Specialization</td>
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<tr>
<td>Business Operations Certificate Level I</td>
<td>$29,066</td>
<td>15.9%</td>
<td>2,885</td>
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<tr>
<td>Business Administration, AAS, Marketing Specialization</td>
<td>$65,076</td>
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<tr>
<td>Business Operations Certificate Level I</td>
<td>$29,066</td>
<td>15.9%</td>
<td>2,885</td>
</tr>
<tr>
<td>Business Administration Certificate Level II, Marketing Specialization</td>
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<tr>
<td>Business Administration Certificate Level I</td>
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</tr>
<tr>
<td>Business Operations Certificate Level II</td>
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<tr>
<td>Lean Six Sigma Black Belt Certificate</td>
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<td>Lean Six Sigma Green Belt Certificate</td>
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<tr>
<td>Management Certificate</td>
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<tr>
<td>Project Management Certification</td>
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<tr>
<td><strong>Construction Supervision</strong></td>
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<tr>
<td>Construction Supervision, AAS</td>
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<td>Construction Supervision Certificate Level II</td>
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<tr>
<td>Business Operations Certificate Level I</td>
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<td>2,885</td>
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<tr>
<td><strong>Logistics Management</strong></td>
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<tr>
<td>Logistics Management, AAS</td>
<td>$86,241</td>
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<td>First Line Logistics Leader Certificate Level I</td>
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<tr>
<td>*Certified Logistics Associate Certificate</td>
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<tr>
<td>*Certified Logistics Technician Certificate</td>
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<tr>
<td><strong>EDUCATION &amp; TRAINING</strong></td>
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<tr>
<td>Education</td>
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<tr>
<td>Associate of Arts in Teaching</td>
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<td>*Substitute Teacher</td>
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<tr>
<td>Texas Teacher Certification: Clinical Teaching Track</td>
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<tr>
<td>Texas Teacher Certification: Internship Track</td>
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<tr>
<td><strong>ENERGY &amp; MANUFACTURING</strong></td>
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</tr>
<tr>
<td>Energy &amp; Manufacturing Technology</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Mechatronics Technician, AAS</td>
<td>$60,306</td>
<td>22.3%</td>
<td>45</td>
</tr>
<tr>
<td>Mechatronics Technician Certificate Level II</td>
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<tr>
<td>Industrial Diesel Technology AAS</td>
<td>$42,166</td>
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<tr>
<td>Industrial Diesel Technology Certificate Level II</td>
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<tr>
<td>Petroleum Field Service Technician AAS Degree</td>
<td>$60,506</td>
<td>24.3%</td>
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<tr>
<td>Petroleum Field Service Technician Certificate Level I</td>
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<tr>
<td>Field Service Technician Certificate Level I</td>
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</table>

**Fast-track non-credit program.**

## Median Salaries & Job Growth Projections (As of 5.24.16)

### Credit Workforce Certificate Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Data Technology AAS Degree</td>
<td>$57,633</td>
<td>29.0%</td>
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<td>Petroleum Data Technology Certificate Level 1</td>
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<tr>
<td>Process Technology AAS Degree (Effective FA/16 Pending THECB Approval)</td>
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<td>14.5%</td>
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<tr>
<td>Process Technology Certificate Level II (Effective FA/16 Pending THECB Approval)</td>
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<tr>
<td>Industrial Maintenance Assistant Certificate</td>
<td>$52,605</td>
<td>29.7%</td>
<td>100</td>
</tr>
<tr>
<td>Field Service Technician Certificate</td>
<td>$60,504</td>
<td>24.3%</td>
<td>150</td>
</tr>
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</table>

### Engineering Design Technology

<table>
<thead>
<tr>
<th>Program</th>
<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Engineering, AAS</td>
<td>$41,549</td>
<td>7.9%</td>
<td>70</td>
</tr>
<tr>
<td>Mechanical Engineering, AAS</td>
<td>$54,760</td>
<td>26.5%</td>
<td>80</td>
</tr>
<tr>
<td>Computer-Aided Design Operator/Drafting Certificate Level I: Architectural, Civil/Structural</td>
<td>$48,348</td>
<td>6.7%</td>
<td>90</td>
</tr>
<tr>
<td>Computer-Aided Design Operator/Drafting Certificate Level I: Mechanical, Manufacturing, Product Design</td>
<td>$57,692</td>
<td>15.3%</td>
<td>55</td>
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### AutoCAD Draftsman Certificate
<table>
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<tr>
<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td>$48,348</td>
<td>6.7%</td>
<td>90</td>
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</tbody>
</table>

### Machining Technology

<table>
<thead>
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<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
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</thead>
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<td>Machining Technology, AAS</td>
<td>$39,492</td>
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<tr>
<td>Machine II Certificate Level II</td>
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<tr>
<td>Machine Tool (CNC) Operator Certificate</td>
<td>$36,060</td>
<td>49.7%</td>
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</tr>
<tr>
<td>Machine Master Certificate</td>
<td>$39,492</td>
<td>37.7%</td>
<td>780</td>
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### Welding & Inspection

<table>
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<tr>
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<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
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</thead>
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<tr>
<td>Inspection Technology Specialization AAS</td>
<td>$34,816</td>
<td>27.6%</td>
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<tr>
<td>Inspection Level I</td>
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</tr>
<tr>
<td>Welding Technology Specialization AAS</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Gas Metal Arc Welding Certificate Level I</td>
<td>$37,328</td>
<td>26.3%</td>
<td>870</td>
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<tr>
<td>Gas Tungsten Arc Welding Certificate Level I</td>
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</tr>
<tr>
<td>Layout and Fabrication Welding Certificate Level I</td>
<td></td>
<td>26.3%</td>
<td>870</td>
</tr>
<tr>
<td>Pipe Fitting Certificate Level I</td>
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<tr>
<td>Pipe Welding Certificate Level I</td>
<td>$43,970</td>
<td>24.4%</td>
<td>385</td>
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</tr>
<tr>
<td>Pipe Welding Certificate Level I</td>
<td>$43,970</td>
<td>24.4%</td>
<td>385</td>
</tr>
<tr>
<td>Pipe Welding Certificate Level I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pipe Welding Certificate Level I</td>
<td>$43,970</td>
<td>24.4%</td>
<td>385</td>
</tr>
<tr>
<td>Pipe Welding Certificate Level I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AWS Welder Master Certificate</td>
<td>$37,328</td>
<td>26.3%</td>
<td>870</td>
</tr>
<tr>
<td>Welder (GMAW &amp; GMAW) Certificate</td>
<td></td>
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</tr>
<tr>
<td>Welder NCCER Certificate</td>
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<tr>
<td>Welder NCCER Certificate</td>
<td></td>
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</tr>
</tbody>
</table>

### Oil & Gas Drilling

<table>
<thead>
<tr>
<th>Program</th>
<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td>NACE Gateway Floor-Hand Roughneck Certificate</td>
<td>$34,193</td>
<td>27.4%</td>
<td>520</td>
</tr>
<tr>
<td>NACE Rig Pass</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NACE Wellbore</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### FINANCE

<table>
<thead>
<tr>
<th>Program</th>
<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting, AAS</td>
<td>$35,768</td>
<td>23.6%</td>
<td>1,125</td>
</tr>
<tr>
<td>Accounting Certificate Level I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounting Advanced Technical Certificate in Professional Accounting</td>
<td>$66,326</td>
<td>24.1%</td>
<td>1,660</td>
</tr>
<tr>
<td>Accounting Assistant/Bookkeeper Certificate</td>
<td>$35,768</td>
<td>23.6%</td>
<td>1,125</td>
</tr>
<tr>
<td>Payroll Assistant Certificate</td>
<td>$38,128</td>
<td>26.1%</td>
<td>200</td>
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</table>

### GOVERNMENT & PUBLIC ADMINISTRATION

<table>
<thead>
<tr>
<th>Program</th>
<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td>No programs offered. Individual classes are available.</td>
<td></td>
<td></td>
<td></td>
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</table>

### HEALTH SCIENCE

<table>
<thead>
<tr>
<th>Program</th>
<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental Hygiene, AAS</td>
<td>$72,066</td>
<td>31.8%</td>
<td>170</td>
</tr>
<tr>
<td>Dental Assistant Certificate</td>
<td>$33,585</td>
<td>23.8%</td>
<td>250</td>
</tr>
</tbody>
</table>

### HUMAN SERVICES

<table>
<thead>
<tr>
<th>Program</th>
<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cosmetology, AAS</td>
<td>$21,854</td>
<td>22.0%</td>
<td>415</td>
</tr>
<tr>
<td>Cosmetology Operator Certificate Level I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cosmetology Facial, AAS</td>
<td>$26,056</td>
<td>39.7%</td>
<td>65</td>
</tr>
<tr>
<td>Facial Specialist Certificate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cosmetology Instructor, AAS</td>
<td>$34,167</td>
<td>19.4%</td>
<td>110</td>
</tr>
</tbody>
</table>

*Fast-track non-credit program.
### Median Salaries & Job Growth Projections (As of 5.24.16)

#### Credit Workforce Certificate Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Human Services</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Human Services, AAS: General Human Services Concentration</td>
<td>$30,920</td>
<td>21.3%</td>
<td>145</td>
</tr>
<tr>
<td>Human Services Certificate Level I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Human Services, AAS: Substance Abuse Counseling Concentration</td>
<td>$36,334</td>
<td>28.2%</td>
<td>45</td>
</tr>
<tr>
<td>Basic Chemical Dependency Counselor Certificate Level I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Interpreter Training Technology</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interpreter Training Technology, AAS</td>
<td>$42,094</td>
<td>48.0%</td>
<td>75</td>
</tr>
<tr>
<td><strong>ASL Communications Skills Certificate Level I</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INFORMATION TECHNOLOGY</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Computing</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Applications</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microsoft Office Specialist Certificate Level I</td>
<td>$46,449</td>
<td>28.6%</td>
<td>550</td>
</tr>
<tr>
<td><strong>Computer Programming</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Programming Specialist, AAS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Programming Specialist Certificate Level II</td>
<td>$75,539</td>
<td>13.7%</td>
<td>210</td>
</tr>
<tr>
<td>Computer Programmer Certificate Level I</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>C++ Programming Enhanced Skills Certificate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual Basic Enhanced Skills Certificate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Geographic Information Systems</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geographic Information Systems, AAS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geographic Information Systems Analyst Certificate Level II</td>
<td>$55,220</td>
<td>35.5%</td>
<td>15</td>
</tr>
<tr>
<td>Geographic Information Systems Technician Certificate Level I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geographic Information Systems Marketable Skills Award</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Industrial Electronics</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial Electronics Technology AAS Degree</td>
<td>$52,605</td>
<td>29.7%</td>
<td>100</td>
</tr>
<tr>
<td><strong>Integrateed Technology</strong></td>
<td></td>
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</tr>
<tr>
<td>Converged Technology Advanced Technical Certificate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network &amp; Computer System Administrator AAS Degree</td>
<td>$78,436</td>
<td>23.3%</td>
<td>325</td>
</tr>
<tr>
<td>Network &amp; Computer System Administrator Certificate Level II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network &amp; Computer System Administrator Basic Certificate Level I</td>
<td>$65,795</td>
<td>15.0%</td>
<td>130</td>
</tr>
<tr>
<td><strong>Networking: Cisco &amp; Microsoft</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Networking Cisco, AAS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cisco Network Administrator Certificate Level II</td>
<td>$78,436</td>
<td>23.3%</td>
<td>325</td>
</tr>
<tr>
<td>Cisco Network Analyst Certificate Level I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Networking Microsoft, AAS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network and System Support Certificate Level I</td>
<td>$65,795</td>
<td>15.0%</td>
<td>130</td>
</tr>
<tr>
<td>(CSCCO) Network Administrator Certificate</td>
<td>$78,436</td>
<td>23.3%</td>
<td>325</td>
</tr>
<tr>
<td><strong>Web</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Visual Communication, AAS: Web Design Track</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Web Design Certificate Level II</td>
<td>$62,446</td>
<td>25.2%</td>
<td>105</td>
</tr>
<tr>
<td>*Web Designer Certificate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Web Developer Certificate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LAW, PUBLIC SAFETY, CORRECTIONS &amp; SECURITY</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Medical Services Professionals</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Medical Services, AAS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Medical Services Professions Paramedic Certificate Level I</td>
<td>$33,166</td>
<td>28.7%</td>
<td>195</td>
</tr>
<tr>
<td>Emergency Medical Services Professions Intermediate Certificate Level I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Emergency Medical Technician (EMT) Basic Certification</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fire Science Technology</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Science Technology, AAS</td>
<td>$45,829</td>
<td>77.7%</td>
<td>180</td>
</tr>
<tr>
<td>*Basic Structural Firefighter Certificate Level I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Law Enforcement</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law Enforcement, AAS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law Enforcement Academy Certificate Level I</td>
<td>$53,094</td>
<td>5.7%</td>
<td>510</td>
</tr>
<tr>
<td>Law Enforcement Core Certificate Level I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*TCCLE Law Enforcement Officer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Paralegal Studies</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paralegal Studies, AAS</td>
<td>$47,812</td>
<td>30.8%</td>
<td>260</td>
</tr>
<tr>
<td>Paralegal Studies Advanced Technical Certificate</td>
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</tbody>
</table>

#### Industry Certification & Exam Prep Cluster

<table>
<thead>
<tr>
<th>Program</th>
<th>Median Wage</th>
<th>Job Growth Rate</th>
<th>Job Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td>*A+ Certification</td>
<td>$46,449</td>
<td>28.6%</td>
<td>550</td>
</tr>
<tr>
<td>*AWS Welding Inspector Exam Prep Certificate</td>
<td>$34,816</td>
<td>27.6%</td>
<td>680</td>
</tr>
<tr>
<td>*CompTIA A+</td>
<td>Data is not available due to program training towards an industry certification and not a specific job title.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*CompTIA Network+</td>
<td>Data is not available due to program training towards an industry certification and not a specific job title.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Electrician - Journeyman Exam Review Certificate</td>
<td>$43,370</td>
<td>25.1%</td>
<td>640</td>
</tr>
<tr>
<td>*Electrician - Master: Exam Review Certificate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*WSSC Certified Logistics Associate</td>
<td>$86,241</td>
<td>22.9%</td>
<td>130</td>
</tr>
<tr>
<td>*WSSC Certified Logistics Technician</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*National Career Readiness (NCR)</td>
<td>Data is not available due to program training towards an industry certification and not a specific job title.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*National Institute for Metalworking Skills (NIMS)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Oracle DBA Certification</td>
<td>$74,039</td>
<td>22.6%</td>
<td>100</td>
</tr>
<tr>
<td>*OSH 10 and 30</td>
<td>Data is not available due to program training towards an industry certification and not a specific job title.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Project Management Certification</td>
<td>Data is not available for supervisor/management in general, but instead it is available by subject matter for several management &amp; first line supervisor occupations.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Texas Society of CPAs</td>
<td>Data is not available due to program training towards an industry certification and not a specific job title.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Wedding Planner Certification</td>
<td>$43,684</td>
<td>40.1%</td>
<td>100</td>
</tr>
<tr>
<td>*WorkKeys</td>
<td>Data is not available due to program training towards an industry certification and not a specific job title.</td>
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<td></td>
</tr>
</tbody>
</table>

**Fast-track non-credit program.**
### Credit Programs of Study

Credit Programs of Study are designed for students that want to join the workforce and also provide transfer credits to those students planning to continue their education to obtain a bachelor’s degree. Non-Credit programs of study are designed for students that want to obtain career training for immediate employment and generally do not include transferable college credits.

LSC Credit and Non-Credit Programs of Study are organized according to nationally recognized career clusters. Each career cluster represents a broad industry and group of occupations that require common knowledge and skills, followed by the LSC Programs of Study offered in each cluster. Each LSC Program of Study degree or certification plan details a recommended sequence of coursework based on a student’s interest and career goal. Specific Credit and Non-Credit Program of Study degree plans are available at LoneStar.edu/programs.

### Do you plan to transfer to a 4-year institution?

**Academic Transfer Degrees and Certificates**

<table>
<thead>
<tr>
<th>Degree/Certificate</th>
<th>CF</th>
<th>K</th>
<th>M</th>
<th>NH</th>
<th>T</th>
<th>UP</th>
<th>OL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate of Arts (AA) Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Business AA Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Criminal Justice AA Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Music AA Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Speech Communication AA Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>International Studies AA Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Associate of Science (AS) Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Biology AS Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Biomedical Engineering AS Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Civil Engineering AS Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Computer Science AS Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Electrical Engineering AS Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Industrial Engineering AS Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Mechanical Engineering AS Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Associate of Arts in Teaching</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
</tbody>
</table>

### Do you plan to directly enter the workforce?

<table>
<thead>
<tr>
<th>Cluster</th>
<th>CF</th>
<th>K</th>
<th>M</th>
<th>NH</th>
<th>T</th>
<th>UP</th>
<th>OL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Agriculture, Food &amp; Natural Resources</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Veterinary Technology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Veterinary Technology AAS Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Veterinary Assistant Certificate Level I</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td><strong>Architecture &amp; Construction Cluster</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Electrical Technology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical Technology AAS Degree</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
</tr>
<tr>
<td>Electrical Technology Level I</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
<td>★</td>
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<tr>
<td><strong>Engineering Design Technology</strong></td>
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</tr>
<tr>
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### Business Management & Administration Cluster

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## PROGRAMS OF STUDY

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<td>Pipefitter V Certificate</td>
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LSC Credit and Non-Credit Programs of Study are organized according to nationally recognized career clusters. Each career cluster represents a broad industry and group of occupations that require common knowledge and skills, followed by the LSC Programs of Study offered in each cluster. Each LSC Program of Study or certification plan details a recommended sequence of coursework based on a student’s interest and career goal. Specific Credit and Non-Credit Programs of Study degree plans are available at Lonestar.edu/programs-classes. Credit Programs of Study are designed for students that want to join the workforce and also provide transfer credits to four-year universities for students planning to continue their education to obtain a bachelor’s degree. Noncredit programs of Study are designed for students that want to obtain career training for immediate employment and generally do not include transferable college credits.
## Programs of Study

**Credit and Non-Credit (As of 5.20.16)**

### Finance Cluster

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<tr>
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### Government & Public Administration Cluster

No programs offered. Individual classes available.

### Health Science Cluster

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### LSC-Kingwood

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### LSC-Credit and Non-Credit Programs of Study

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**Science, Technology, Engineering & Mathematics Cluster**

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About LSC-CyFair

Cypress-Fairbanks residents voted to become part of Lone Star College in August 2000 and the new Lone Star College-CyFair opened in August 2003 as the fifth Lone Star College. LSC-CyFair now has three locations to help make education accessible and convenient for the rapidly-growing Cypress-Fairbanks area: 1) The LSC-CyFair campus on Barker Cypress Road at West Road, a 200-acre, state-of-the-art campus centered around beautiful ponds; 2) The LSC-Fairbanks Center at U.S. Highway 290 and West Little York Road, which is strategically designed for students who live or work in the southeast portion of the Cy-Fair community, and; 3) The LSC-Cypress Center, which opened in fall 2013, at Clay and Fry Roads, serves residents in the southwest area of Cypress-Fairbanks.

Highlights

- LSC-CyFair offers more than 60 areas of study for the traditional, full- or part-time student; university partnerships, academic transfer courses and degrees; and workforce development and continuing education.
- Leading-edge technology to promote relevant job skills in CISCO, Visual Communication and more.
- State-of-the-art advanced manufacturing center, preparing students for degrees in welding, manufacturing, machining, electronics, drafting, engineering technology and more.
- Exceptional healthcare programs including nursing, medical radiologic technology, medical assisting and sonography.
- Access to a comprehensive library system via a collaborative community partnership with the Harris County Public Library and LSC-CyFair.
- Training for Emergency Medical Services and Fire Science students at the Emergency Services Education Center via a collaborative community partnership with LSC-CyFair and the Emergency Services District.
- The Center for the Arts houses the visual and performing arts featuring artistic talent in many mediums displayed in the Bosque Gallery as well as choral, instrumental and theatrical performances year round.
- Comprehensive student support to assist students identify and complete their academic and career goals.
About LSC-Kingwood

When Lone Star College-Kingwood opened in August 1984 as the second Lone Star College, it was referred to as the “East Campus.” Situated on 273 beautifully landscaped wooded acres, LSC-Kingwood is conveniently located at U.S. Highway 59 and Kingwood Drive in the northeast sector of the Lone Star College.

LSC-Kingwood offers two off-site locations to better serve the rapidly-growing communities of Kingwood, Humble, Atascocita, and eastern Montgomery County. The locations include: 1) The LSC-Atascocita Center at 15903 West Lake Houston Parkway, which opened in 2011; and 2) The LSC-EMCID Center at the East Montgomery County Improvement District’s state-of-the-art, high-tech facility. In addition, LSC-Kingwood offers high school students the opportunity to earn college credits through its dual credit and early college programs.

Highlights

• LSC-Kingwood offers more than 60 areas of study for the traditional, full- or part-time student; university partnerships, academic transfer courses and degrees; and workforce development and continuing education.
• LSC-Kingwood’s Center for Civic Engagement is a unique program that encourages students, faculty, and staff to become active citizens involved in their communities by providing opportunities and resources to engage in service- oriented community activities.
• LSC-Kingwood’s Dental Hygiene Program, which is one of the top in the state of Texas, has consistently had a 100 percent pass rate on state board exams by its students.
• LSC-Kingwood offers other health-related training to prepare students for health careers including nursing, occupational therapy assistant and respiratory care therapist.
• LSC-Kingwood offers Cosmetology and Facial programs that prepare students to meet the requirements to take licensing exams for the state of Texas.
• LSC-Kingwood has its own television production studio and cable TV station (Channel 42 on Suddenlink).
• In January 2017, LSC-Kingwood will open its new Process Technology Center. Located off Beltway 8 in Atascocita, the facility will house the Process Technology Program that will prepare graduates for entry-level careers as process technologists/operators in the petrochemical, plastics, food and beverage and pharmaceutical industries.
About LSC-Montgomery

In August 1995, Lone Star College-Montgomery opened its doors as the fourth Lone Star College with a dedication ceremony led by then Texas Gov. George W. Bush. Located on 165 acres of pine forest between The Woodlands and Conroe, LSC-Montgomery was established as a comprehensive college to serve the residents of Montgomery County. In 2011, LSC-Montgomery opened three new buildings on the main campus to better serve its students, as well as a northside center in the Conroe/Willis area – the LSC-Conroe Center.

Highlights

- LSC-Montgomery offers more than 60 comprehensive areas of study for the traditional, full- or part-time student as well as workforce education and continuing education programs.
- Be a part of unique programs like Live Entertainment Technology (LET) the only one of its kind in Texas. Students can learn lighting, audio and video technology in a new state-of-the-art facility to open in 2017.
- LSC-Conroe Center brings convenient, transferable college credit classes and seven career-oriented workforce programs to northern Montgomery County residents. New automotive technology and welding labs will prepare students to diagnose the latest mechanical, electrical and electronic systems of cars and trucks. With Lone Star Corporate College, LSC-Conroe Center is also a hub for ongoing workforce support programs for companies that serve our local community.
- Start your education with us and get an advanced degree close to home! LSC-Montgomery students can earn master’s and doctoral degrees in face-to-face classes taught by instructors from university partners at LSC-University Center at The Woodlands just steps away from campus.
- The Student Tutoring And Research (STAR) Center offers citation assistance, research help and free tutoring even on weekends.
- The Write Place can help you with assignments by providing tips and techniques for brainstorming, finding a thesis, organizing, adding support, and other writing-related issues.
- Be a part of the Honors College! LSC-Montgomery is one of the few community colleges in the nation to offer an honors associate degree. Honors students get access to a dedicated honors college student center, exclusive field trips, special events and guest speakers. Chancellor’s Honors College Fellows have even traveled to Italy to do work related to their second-year capstone.
About LSC-North Harris

Since 1973, Lone Star College-North Harris has been serving residents of the Aldine and Spring school districts. It was the first and founding college of Lone Star College and set the pace with quality, affordable education. In addition to the 200-acre main campus located in north Houston, LSC-North Harris serves thousands of students via two satellite centers – LSC-Greenspoint Center and LSC-Victory Center. Industry-specific classes are also offered through the college’s two specially-designed facilities, the LSC-Health Professions Building and the CHI LSC-North Harris School of Cosmetology, both of which capitalize on local partnerships to provide valuable training in high-demand fields.

Highlights

- Flexible class schedules and first-class professors who recognize students’ need to juggle classes with work and family responsibilities. Courses are held during the day, in the evening, on weekends and in fast-track, independent, online or individualized study formats.
- More than 110 degree and certificate programs designed for both university transfer and career building.
- A comprehensive library for students and the community.
- On-campus child care facility operated by the Aldine-Greenspoint YMCA includes a pre-school program for children 3 and 4 years of age, after-school program for children 5 to 12 years of age, and Child Watch – a drop-in care for children 18 months to 5 years of age available only to currently enrolled LSC-North Harris students.
- Free tutoring, computer lab use, on-campus parking, intramural sports programs, plus a comprehensive weight training center, dance/aerobics studio, walking trail and gymnasium.
- Leading-edge technology in emerging technical job fields.
- The college’s fine arts department offers a comprehensive curriculum with programs in art, dance, theater and music.
- The Health Professions Building, located near Houston Northwest Medical Center, is home to many of the college’s medical programs.
- The CHI Lone Star College-North Harris School of Cosmetology is a unique partnership that brings the world-renowned methods and products of Farouk Systems, Inc. to the high-demand cosmetology program at LSC-North Harris and offers students up-to-date curriculum and experienced instructors.
About LSC-Tomball

Lone Star College-Tomball, the third of the six Lone Star Colleges, was the result of many years of dedication by community members to bring higher education to the Tomball and Magnolia communities. Residents of the Tomball Independent School District voted in 1982 to join the Lone Star College and LSC-Tomball opened its doors for students in 1988. Today, LSC-Tomball serves thousands of students via three locations, LSC-Tomball main campus, the LSC-Tomball Health Science Building and the LSC-Creekside Center, a new LSC-Tomball satellite center located in the Creekside area of The Woodlands, opened in January 2016. LSC-Tomball students can earn Associate of Arts, Associate of Science or Associate of Applied Science degrees, complete their general education courses for transfer to a four-year college or university, or earn workforce certificates in a variety of areas that lead to high-demand jobs.

Highlights

• The Honors program, service learning, dual credit and international studies allow LSC-Tomball students to have an advanced academic college experience. Learning spaces such as the Performing Arts Center, Health Science Building, Veterinary Technology Building, Language and Culture Center, the iClassroom, the 21st Century Classroom and the Communications Center also enhance the collegiate experience for students.

• The LSC-Tomball Community Library, a joint library with the Harris County Public Library system, houses a wide variety of resources for the community, including a children’s library, as well as a wealth of resources to serve the research needs of students.

• In addition to traditional course offerings, fast track options, “late start” and “finish early” courses, and weekend and evening courses allow students who are balancing demands of family, school and work to find classes that best suit their lifestyle.

• To support student success, LSC-Tomball offers professional advising and counseling, financial aid services, recruitment and outreach services, testing and tutoring support, and accommodations for students with disabilities. Additionally, a vibrant Student Life department provides students with many opportunities to get connected, make friends, learn leadership skills, and enhance their academic experience.

• Continuing education courses for lifelong learners are also available. Discovery College provides a safe and fun college experience during the summer for students age 6–17. The Academy for Lifelong Learning (ALL) program offers opportunities for adults age 50+ to take free or low-cost classes and participate in personal interest activities. Preparation courses for the General Educational Development (GED) test are also offered, along with other adult basic education courses.
About LSC-University Park

Lone Star College-University Park, the system’s sixth college, opened for classes in spring 2010 where Compaq Computer and Hewlett Packard’s world headquarters once were on State Highway 249 at Louetta Road. It is designed to be a college as well as an incubator for innovative partnerships between education, business and industry, and the community. Along with two-year degrees and certificates in many areas, LSC-University Park also offers bachelor’s and master’s degrees at the LSC-University Center at LSC-University Park, through partnerships with a number of four-year universities. LSC-University Park also houses LSC-Online, the Veterans Affairs Center, Lone Star Corporate College and the Lone Star College Conference Center. The Lone Star College Energy & Manufacturing Institute is also part of LSC-University Park.

LSC-University Park is one location with many opportunities, making higher education convenient, affordable and accessible to the northwest Harris County community.

Highlights

- Offers associate degrees, credit and non-credit courses, workforce training and continuing education classes and certificates in many areas.
- Paths to degrees include instruction in person, online and in hybrid formats, providing a variety of learning environments to help students succeed.
- LSC-University Park offers online classes and areas of study that fit any schedule. Students enjoy the flexible learning environment led by faculty who are skilled in online teaching and course development.
- Faculty members possess the academic credentials, business and industry experience, and student-centered focus that deepen critical and creative thinking to enhance student success.
- Interactive teaching and engaged learning.
- On-site “first-stop” student services including admissions, financial aid assistance, tutoring, advising, counseling, and assessment and placement testing.
- On-site bookstore, digital library services, computer resources and much more to help students achieve their goals.
- Specialized services available for veterans, international students, and ADA accommodations.
- University partners offer bachelor’s and master’s level classes and degrees on-site at the same facility. Current LSC-University Center at University Park partners include: University of Houston and University of Houston-Downtown.
- 2+2 programs offer seamless credit transfer – two years at Lone Star College with two years at a four-year university on site.
- Free tutoring services, free math and science homework help at The Homework Hotspot & The Science Hotspot.
The University Centers at Lone Star College

Higher Education Close to Home
The Lone Star College-University Centers offer junior, senior and graduate level classes through partnerships with several universities. Students who enroll with one of the partner universities on-site at either The Woodlands or University Park locations are able to complete a bachelor’s or master’s degree (or teaching certificate) without traveling to the university campuses.

Student success
Student success and credential completion – students completing their educational goals – is a core value for Lone Star College.

LSC works to provide proven steps and procedures to help students from the first day they step on campus until they complete their degree or credential – whatever their educational goal. In addition to associate degrees and certifications in career and technical education, Lone Star College opens doors for students who want to continue their education and obtain a four-year degree and more.

Transfer made easy
The Lone Star College University Center model is unique, innovative and is one that has been duplicated at many colleges across the country. Transferring to a four-year university partner has never been easier for Lone Star College students.

First, LSC university center partners have operations on site at the Lone Star College University Centers, which makes for a smoother transition process. Also, specific transfer programs—like the 2+2 program—allow students to take their first two years of classes at Lone Star College and then the second two years of upper-level courses at one of the university partners, without having to reapply.

As the first of the two university centers at Lone Star College, the LSC-University Center at The Woodlands has been setting the standard for on-site delivery of various upper level bachelor’s, master’s and doctoral degree programs for more than 10 years. It is conveniently located in a 78,000-square-foot building on the edge of the LSC-Montgomery campus.

Students are able to select from more than 40 programs offered by seven universities operating on site: Lamar University, National American University, Our Lady of the Lake University-Weekend College, Sam Houston State University, Stephen F. Austin State University, University of Houston Bauer College of Business and University of St. Thomas. Call 936.273.7510 or visit LoneStar.edu/UC-TheWoodlands.

Highlights
- Students are able to complete freshman and sophomore level requirements from any Lone Star College or any other Texas community college before transferring to one of the partner universities.
- In addition to junior- and senior-level courses leading to bachelor’s degrees, the four partner universities offer graduate programs for master’s and doctoral degrees on-site.
- Classes offered are identical to those offered on the university home campuses. Each university’s faculty teach courses on site at the University Center.
- Students have access to the University Center’s wireless network and a virtual library connecting them to their home university library.
- Visit LoneStar.edu/UC-TheWoodlands for detailed descriptions of programs.
Joint Admission
Students are also able to better maximize the number of courses completed at Lone Star College that can be applied toward their bachelor’s degrees by joint admission, which allows students to co-enroll at a partner university while attending Lone Star College. Benefits include a simplified application process, discounted or no application fees, and complete access to the facilities and resources of both institutions.

Reverse transfer
Lone Star College also has reverse transfer programs with its University Center partner universities, and other colleges in Texas, which establish policies and procedures for credits earned at universities to be transferred back to Lone Star College and applied toward associate degrees. Students wishing to obtain an associate degree while attending a partner university are able to transfer university credit toward the Lone Star College associate degree.

For more information visit LoneStar.edu/university-center.
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Date Residency Tuition Assistance

_____/______/20____
Term: ☐ Fall ☐ Spring ☐ Summer
I currently reside:
☐ In the state of Texas
☐ Not in the state of Texas
State:________ County:________
☐ DARS ☐ TPEG
☐ Hazelwood Exempt ☐ WIA
☐ TAA

Student Registration Information

Last Name:                                          First Name:   Middle Name: Student ID or Soc. Sec. No.*
Previous Last Name: Date of Birth: Phone No.
Address: City: State: Zip: Address Change? ☐ Yes ☐ No
Mailing Address (if different) City: State: Zip:
Email Address:
Emergency Contact Name: Relationship: Phone No:

* Social Security Number is required if you are applying for financial aid but is not required for admission. Providing a Social Security Number (SSN) will, however, speed up the processing of your application since we will not need to manually match your application with other materials such as transcripts and test scores. Supplying a SSN also ensures that you will be able to claim the Hope Tax Credit if you are eligible on your federal tax return. Lone Star College uses the SSN for compliance with federal and state reporting requirements and has a strong commitment to ensuring the privacy and confidentiality of student records and will not disclose your Social Security Number without your consent for any purpose except as allowed by law.

Demographic Questionnaire

Gender: ☐ M ☐ F The following questions are used by the state to help provide support for our programs. Although not required, your cooperation is appreciated.
Race (Check all that apply)
☐ American Indian/Alaskan Native
☐ Asian
☐ Hispanic or Latino
☐ Not Hispanic or Latino
☐ Black/African American
☐ Native Hawaiian/Pacific Islander
☐ White
Additional Information
☐ Academically disadvantaged ☐ Limited English
☐ Economically disadvantaged ☐ Displaced Homemaker
☐ Disabled: ☐ Single Parent
Type of Disability ______________________________________________
How did you hear about us?
☐ Received a schedule in the mail
☐ Picked up a schedule from a business location
☐ Business____________________________________
☐ LoneStar.edu
☐ Other
What is your primary goal?
• Personal Enrichment
☐ Leisure Learning ☐ Academy for Lifelong Learning (ALL) Member
☐ Professional Development
☐ Workforce Certificate, Which certificate? ______________________________________________
☐ Other

Course Selection

Class # Ex: 55555 Course Title Introduction to Computers Catalog # ITSCC 2100103 Campus LSC-CyFair Start Date 09/02/14 Course Fee $180

Payment is due at the time of registration.
Make all checks payable to Lone Star College System. Please read the refund policy in the schedule.
A $20 infrastructure fee is charged per semester.

Total Fee
Method of Payment
Entered by
Date
Receipt #

Student Signature: ____________________________________________

Bottom portion to be destroyed.

Charge to My:    Card No:  Expiration Date:  CID number on front or back:    Name on Card:    Authorized Signature:    Billing Address:
☐ AmEx    ☐ Discover
☐ Master Card    ☐ Visa

Visit LoneStar.edu • Affirmative Action/EEO College • For more information on bacterial meningitis please go to www.Tdh.state.tx.us
Financial Assistance is available for Continuing Education & Corporate College Fast Track Certificates in Workforce Training.

Contact your local Career & Technical Education office at any campus location (inside cover) or online at: LoneStar.edu/FA-Grants

Funds are Limited