

Workforce Degrees and Certificates

Designed primarily for students desiring
Associate of Applied Science (AAS) Degrees and Certificates

★ *Total Certificate or Degree Offered* ☆ *Some Courses Offered*

DEGREES AND CERTIFICATES CLUSTERS CF K M NH T DL

DEGREES AND CERTIFICATES CLUSTERS	CF	K	M	NH	T	DL
Business Management & Leadership						
Accounting (page 103)						
AAS Degree (AAS_ACCS)	★	☆	★	★	★	☆
Accounting Certificate (C1_ACC1)	★	☆	★	★	★	☆
Advanced Technical Certificate, Accounting CPA Exam Prep (C4_ACC4)	★	☆	★	★	★	☆
Marketable Skills Award, Taxation Certificate (MSC_TAXC)	★	★	★	★	★	
Aviation Management (page 107)						
AAS Degree (AAS_AVIM)				★		☆
Logistics Management (page 143)						
Logistics Management, Tech Prep (AAS_LOMT)	★					☆
Certificate, First Line Logistics Leader (C1_LLL1)	★					★
Marketable Skills Award, Basic Logistics Certificate (MSC_LOMT)	★					★
Management (page 144)						
AAS Degree, Tech Prep (AAS_MGMT)	★	★	★	★	★	★
AAS Degree, Hospitality Management, Tech Prep (AAS_HSMG) (page 135)				★		☆
Certificate, Hospitality Operations (C1_HOP1) (page 136)				★		☆
Certificate, General Business (C1_GBA1)	★	★	★	★	★	★
Certificate, Human Resource (C1_HRM1)	★	★	★	★	★	★
Certificate, International Business (C1_MIB1)	★	★	☆	★	★	☆
Certificate, Small Business Management (C1_MSB1)	★	★	★	★	★	★
Certificate, Marketing (C1_MMK1)	★	★	★	★	★	☆
Marketable Skills Award, Entrepreneurship Certificate (MSC_MAEN)	★	★	★	★	★	
Professional Office Technology (page 167)						
AAS Degree, Bus Administrative Support Spec, Tech Prep (AAS_BADS)	☆	★	☆	★	☆	★
Certificate, Administrative Assistant (C2_ADA2)	☆	★	☆	★	☆	★
Certificate, Administrative Support (C1_ADS1)	☆	★	☆	★	☆	★
Certificate, Bilingual Office (C1_BOS1)	☆	☆	☆	★	☆	★
Certificate, Office Assistant (C1_OAS1)	☆	★	☆	★	☆	★
Legal Office Technology (page 170)						
Legal Office, Tech Prep (AAS_OLOS)		★	☆	☆	☆	★
Certificate, Legal Administrative Assistant (C2_LAD2)		★	☆	☆	☆	★
Certificate, Legal Office Assistant (C1_LES1)		★	☆	☆	☆	★
Certificate, Legal Office Receptionist (C1_LOR1)		★	☆	☆	☆	★
Computer Technology						
Audio Visual Systems Specialist (page 104)						
AAS Degree, Tech Prep (AAS_AVSS)			★			☆
Certificate, Audio Visual Systems Specialist, Level II (C2_AVS2)			★			
Certificate, Audio Visual Systems Specialist, Level I (C1_AVS1)			★			

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	CF	K	M	NH	T	DL
Computer Information Technology (page 109)						
Certificate, Information Technology (C1_CIT1)	★	★	★	★	★	★
Networking – Cisco and Microsoft (page 111)						
Computer Networking Specialization, Microsoft Tech Prep (AAS_CNMS)	★	★	☆	★	★	☆
Computer Networking Specialization, Cisco Tech Prep (AAS_CNCI)	★	★	☆	★	★	
Certificate, Network Administrator, MS level I (C1_MCSA)	★	★	☆	★	★	★
Certificate, Network Administrator, CCNA (C1_CCNA)	★	★	☆	★	★	
Certificate, Network Engineer, MS level II (C1_MCSE)	★	★	☆	★	★	★
Certificate, Network Engineer, CCNP (C1_CCNP)	★	★	☆	★	★	
Computer Programming (page 112)						
Programming Specialist, Tech Prep (AAS_CSPS)	★	★	★	★	★	★
Enhanced Skills Certificate, C++ Programming Cert (C3_CCP3)	★	★		★	★	★
Certificate, Programming Specialist Certificate (C1_CPS1)	★	★	★	★	★	★
Computer Applications (page 113)						
E-Business Web Developer, Tech Prep (AAS_EBUS)	★	★		★		☆
Enhanced Skills Certificate, Visual Basic Certification (C3_CVB3)	★	★		★	★	★
Certificate, E-Business Web Developer (C1_WEB1)	★	★	★	★		☆
Certificate, PC Desktop Specialist (C1_PCDS)	★	★	★	★	★	★
Certificate, Microsoft Office Specialist (C1_MSO1)	★	★	★	★	★	★
Certificate, Computer-Aided Design Operator/Drafting (C1_EDD1)	★			★		
Computer Engineering Techn Specialization, Tech Prep (AAS_CETS)	★	☆		☆		
PC Helpdesk (page 112)						
Certificate, PC Support Specialist (C2_PCSS)	★	★	★	★	★	★
Geographic Information Systems (page 130)						
AAS Degree, Tech Prep (AAS_GINS)	★			☆		☆
Certificate, Geographic Information Systems Analyst (C1_GIA1)	★			☆		☆
Certificate, Geographic Information Systems Technician (C1_GIT1)	★			☆		☆
Marketable Skills Award, Geographic Information Systems (MSC_GINS)	★					☆
Visual Communication (page 176)						
Visual Communication, Tech Prep	★	★	☆	★	☆	☆
3D Animation Track (AAS_VSC3)	☆	☆	☆	★	☆	
Graphic Design Track (AAS_VSCG)	★	★	☆	★	☆	☆
Multimedia Track (AAS_VSCM)	★	★	☆	★	☆	
Video and Post-Production Track (AAS_VSCV)	★	★	☆	★	☆	
Web Design Track (AAS_VSCW)	☆	☆	☆	★	☆	
Enhanced Skills Certificate, Digital Photography (C3_DPHT)	★	★		★		
Certificate, Graphic Design (C2_GRP2)	★	★	☆	★	☆	☆
Certificate, Multimedia Designer (C1_MDE1)	★	★	☆	★	☆	☆
Certificate, Video and Post Production (C1_VPP1)	★	★	☆	★	☆	☆
Certificate, Web Design (C1_MWD1)	☆	☆	☆	★	☆	☆
Certificate, 3D Animation (C2_ANI2)	☆	☆	☆	★	☆	☆
Certificate, Motion Graphics (C1_MTG1)	★	★	☆	★	☆	
Game Design and Simulation (page 128)						
Game Designer (Artist) Track (AAS_GDSA)		★			☆	
Game Developer (Programming) Track (AAS_GDSP)		★			☆	

WORKFORCE DEGREES AND CERTIFICATES

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Certificate, Game Designer (Artist) (C2_GDA2)	☆	★	☆	☆	★	
Certificate, Game Developer (Programming) (C2_GDP2)	☆	★	☆	☆	★	
Integrated Technology (page 110)						
AAS Degree, Integrated Technology, Tech Prep (AAS_ITEC)	☆	☆	☆	★	☆	☆
Certificate, Integrated Technology Advanced (C2_ITA2)	☆	☆	☆	★	☆	☆
Certificate, Integrated Technology Basic (C1_ITB1)	☆	☆	☆	★	☆	☆
Health Science Professions						
Biotechnology (page 108)						
AAS Degree (AAS_BIOT)		☆	★		☆	☆
Biotechnology, Advanced Technical Certificate (C4_BIO4)			★			
Dental Hygiene (page 117)						
AAS Degree, Dental Hygiene (AAS_DNHY)		★				
Diagnostic Medical Sonography (page 118)						
AAS Degree (AAS_SONO)	★					
AAS Degree, Echocardiography (AAS_ECHO)	★					
Enhanced Skills Certificate, Non-Invasive Vascular Technology (C3_NIV3)	★					
Advanced Technical Certificate, Sonography (C4_SON4)	★					
Emergency Medical Services Professions (page 121)						
AAS Degree, Tech Prep (AAS_EMST)	★			★		
Certificate, Emergency Medical Services Prof Paramedic (C1_EMP1)	★	☆		★	☆	
Certificate, Emergency Medical Services Prof Intermediate (C1_EMI1)	★	☆	★	★	☆	
Health Information Technology (page 132)						
AAS Degree, Tech Prep (AAS_HINT)				★		☆
Medical Assisting (page 147)						
Certificate, Medical Assisting (C1_MED1)	★			★		
Medical Coding (page 133)						
Certificate, Physician Office-Based Billing & Coding (C1_POB1)				★		☆
Certificate, Hospital-Based Coding (C2_HBC2)				★		☆
Medical Office Technology (page 169)						
Medical Office Administrator, Tech Prep (AAS_MOAD)		★	☆	★	★	☆
Certificate, Medical Administrative Assistant (C2_MAA2)		★	★	★	★	☆
Certificate, Medical Office Receptionist (C1_MOR1)		★	★	★	★	★
Certificate, Medical Front Office (C1_MFO1)		★	★	★	★	★
Medical Radiologic Technology (page 148)						
AAS Degree (AAS_MRDR)	★		★			
Advanced Technical Certificate, Magnetic Resonance Imaging (C4_MRI4)	★					
Nursing (page 153)						
Associate Degree Nursing (integrated curriculum), Tech Prep (AAS_AADN)		★	★	★	★	☆
Associate Degree Nursing (block curriculum) (AAS_ADNB)	★					
Transition to Prof Nursing for Articulating Students (integrated curr) (AAS_PRNR)		★	★	★	★	☆
Certificate, Nursing Assistant (C1_ANA1)		★	★	★	★	☆
Certificate, Vocational Nursing ADN to VN (C2_AVN2)				★		☆
Certificate, Vocational Nursing (C2_PRN2)	★	★	★		★	☆

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	CF	K	M	NH	T	DL
Occupational Therapy Assistant (page 161)						
AAS Degree (AAS_OCTA)		★			★	
Pharmacy Technology (page 163)						
AAS Degree, Pharmacy Technology (AAS_PHRT)				★	☆	
Certificate, Pharmacy Technology (C1_PHR1)				★	★	
Physical Therapist Assistant (page 166)						
AAS Degree (AAS_PHTA)			★			
Respiratory Care (page 172)						
AAS Degree (AAS_RESC)		★				
Surgical Technologist (page 173)						
Certificate, Surgical Technologist (C1_SGT1)					★	
Veterinary Technology (page 174)						
AAS Degree, Tech Prep (AAS_VETT)					★	
Certificate, Veterinary Technology (C1_VET1)					★	☆
Service Professions						
Cosmetology (page 114)						
AAS Degree (AAS_COSM)		★		★		
Cosmetology Facial (AAS_COSF)		★		★		
Cosmetology Instructor (AAS_COSI)		★		★		
Certificate, Facial Specialist (C1_FCL1)		★		★		
Certificate, Cosmetology Instructor (C1_CIN1)		★		★		
Certificate, Cosmetology Operator (C1_COP1)		★		★		
Facilities Management (page 139)						
AAS Degree, Tech Prep (AAS_FCMT)		★				☆
Fire Science Technology (page 128)						
AAS Degree (AAS_FSCT)	★		★			
Certificate, Basic Structural Firefighter (C1_BFF1)	★	★	★			
Human Services (page 136)						
General Human Services Track (AAS_HSGN)			★			☆
Substance Abuse Counseling Track (AAS_HSSA)			★			
Certificate, Basic Chemical Dependency Counselor (C1_HBCD)			★			
Certificate, Human Services (C1_HSC1)			★			
Interior Design Technology (page 138)						
AAS Degree (AAS_IDES)		★				☆
Certificate, Design Essentials (C1_DSE1)		★				☆
Interpreter Training Technology (page 141)						
AAS Degree, Tech Prep (AAS_INTP)	★			★		
Certificate, ASL Communication Skills (C1_INT1)	★			★		
Paralegal Studies (page 162)						
AAS Degree, Tech Prep (AAS_PLGL)				★		☆
Advanced Technical Certificate, Paralegal Studies (C4_PLG4)				★		☆

DEGREES AND CERTIFICATES CLUSTERS

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Manufacturing and Industrial Professions						
Automotive Technology (page 105)						
AAS Degree, Tech Prep (AAS_AUTO)				★		
Certificate, Chassis and Electrical Technician Specialization (C1_CET1)				★		
Certificate, Power Train and Driveability Specialization (C1_PTD1)				★		
Certificate, General Service Technician (C1_GST1)		★	★			
Electrician (page 120)						
Residential/Commercial Electrician Certification (C1_REC1)					★	
Marketable Skills Award, Solar Photovoltaic System Electrician (MSC_SPSE)					★	
Marketable Skills Award, Fuel Cell Systems Electrician (MSC_FCSE)					★	
Marketable Skills Award, Wind Turbine System Electrician (MSC_WTSE)					★	
Engineering Technology (page 125)						
Architectural Engineering Technology, Tech Prep (AAS_EDAE)	★	☆	☆	★		
Mechanical Engineering Technology, Tech Prep (AAS_EDME)	★	☆	☆	★		
Pre-Engineered Metl Bldg Draft/Design Specialz, Tech Prep (AAS_EDMB)	★			★		
Certificate, Basic Electronics (C1_ELTE)	★			☆	☆	
Heating, Ventilation, AC & Refrigeration Technology (page 134)						
AAS Degree, Tech Prep (AAS_AIRC)				★		
Certificate, Heating, Ventilation, AC Residential Servicing (C1_AIR1)				★		
Certificate, Heating, Ventilation, AC Commercial Servicing (C1_HCS1)				★		
Certificate, Heating, Ventilation, AC Occupational Entry (C1_HOC1)				★		
Land Surveyor (page 141)						
AAS Degree, Land Surveying & Mapping Technology (AAS_SRVY)			★			
Certificate, Land Surveyor Level 1 (C1_SRV1)			★			
Marketable Skills Award, Land Surveyor (MSC_SRVY)			★			
Machining Technology (page 144)						
Certificate, Computer Numeric Control Operator I (C1_CNA1)	★			★		
Certificate, Computer Numeric Control Operator II (C1_CNB1)	★			★		
Certificate, Machinist I (C1_MAC1)	★			★		
Mechatronics Technology (page 146)						
Certificate, Mechatronics Technology-Level II (C2_MET2)	★			★		
Certificate, Mechatronics Technology-Level I (C1_MET1)	★			★		
Marketable Skills Award, Mechatronics Technology (MSC_METC)	★			★		
Marketable Skills Award, Oil Field Service Technician (MSC_OFST)	★			★		
Welding and Inspection Technology (page 179)						
AAS Degree, Welding Technology, Tech Prep (AAS_WELD)	★			★		
Certificate, Welding Technology Advanced (C1_WTA1)	★			★		
Certificate, Welding Technology Intermediate (C1_WTI1)	★			★		
Certificate, Welding Technology Basic (C1_WTB1)	★			★		
AAS Degree, Inspection Technology (AAS_INSP)				★		
Certificate, Inspection Technology (C1_INS1)				★		

Requirements for the Associate of Applied Science:

A course cannot count toward more than one requirement of the degree, with one exception – the multicultural requirement. See individual program or certificate degree plans for specific courses.

See individual programs for specific information

Core Component (General Education courses)	Course Options	Semester credit hours
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COMPOSITION	ENGL 1301	3 hours
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MATH/NATURAL SCIENCES ¹	BIOL 1406 or 1408, 1407 or 1409, 2401, 2402, 2404, 2406, 2416, 2420, 2421; CHEM 1405, 1411, 1412, 1419, 2423, 2425; ENVR 1401, 1402; GEOL 1403, 1404, 1405, 1445, 2307; MATH 1314, 1316, 1324, 1325, 1332, 1342, *1350, *1351, 2320, 2412, 2413, 2414, 2415; PHYS 1401, 1402, 1403, 1404, 1410, 2425, 2426	3 hours
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SOCIAL/BEHAVIORAL SCIENCES	ANTH 2301, <u>2346</u> , <u>2351</u> ; CRJ 1301, 1307; ECON 2301, 2302; GEOG 1300, <u>1303</u> ; GOVT 2301, 2302, 2304; HIST 1301, 1302, 2301, 2311, 2312, <u>2321</u> , <u>2322</u> ; PSYC 2301, 2306, 2308; SOCL <u>1301</u> , 1306, 2301, <u>2319</u> , 2326	3 hours
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HUMANITIES/FINE ARTS	ARTS <u>1301</u> , <u>1303</u> , <u>1304</u> , 1311, 1316, 2346, 2356; DANC 2303; DRAM 1120, 1121, <u>1310</u> , 1330, 1351, 1352, 2120, 2331, <u>2361</u> , <u>2362</u> , <u>2366</u> ; ENGL 2307, 2322, 2323, 2327, 2328, <u>2332</u> , <u>2333</u> , 2341, <u>2342</u> , <u>2343</u> , <u>2351</u> ; HUMA <u>1301</u> , <u>1302</u> ; MUSI 1301, <u>1306</u> , <u>1308</u> , <u>1309</u> , <u>1310</u> ; PHIL 1301, <u>1304</u> , 2306, 2321; FREN <u>2311</u> , <u>2312</u> ; GERM <u>2311</u> , <u>2312</u> ; ITAL <u>2311</u> , <u>2312</u> ; SPAN <u>2311</u> , <u>2312</u> , <u>2313</u> , <u>2315</u>	3 hours
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ELECTIVE	To meet LSCS core requirements (general education courses), see individual program degree plans for specific course.	3 hours
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SPECIFIC WORKFORCE OR SUPPORT PROGRAM COURSES		45-57 hours
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MULTICULTURAL REQUIREMENTS	Students must take one of the above underlined courses to meet the multicultural requirement of this degree, or master the multicultural competencies contained in a specific degree program, or take one of the following courses to meet the multicultural requirement of this degree. FREN 1300, 1310, 1411, 1412; GERM 1411, 1412; ITAL 1411, 1412; JAPN 1411, 1412; SGNL 1401, 1402, 2301, 2302; SPAN 1300, 1310, 1411, 1412, 2306.	
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TOTAL (individual programs vary) 60-72 hours

¹ Students must meet math competency. In AAS awards that include natural sciences rather than math courses, students must complete or place out of MATH 0308.

NOTE: Students must also meet computer literacy, wellness and communication competencies. The core component of this degree is 15 semester hours.

* Specifically designed for elementary and middle school teachers. Please see graduation requirements.

Prefixes Assigned to Programs & Disciplines

Accounting.....	ACCT, ACNT	Heating, Ventilation, Air Conditioning and Refrigeration.....	ELPT, HART, IEIR
Agriculture	AGRI	History.....	HIST
American Sign Language.....	SGNL	Hospitality Management.....	HAMG, RSTO
Anthropology	ANTH	Humanities.....	HUMA
Arabic.....	ARAB	Human Development.....	HUMD
Art.....	ARTS	Human Services.....	CMSW, DAAC, GERS, SCWK
Audio Visual Systems Specialist.....	AVTS	Interior Design Technology.....	INDS
Automotive Technology.....	AUMT	Interpreter Training Technology.....	SGNL, SLNG
Aviation Management.....	AIRP, AVIM	Italian.....	ITAL
Biology.....	BIOL	Japanese.....	JAPN
Biotechnology.....	BITC	Journalism.....	COMM
Business/Management.....	BMGT, BUSG, BUSI, HRPO, IBUS, MRKG	Kinesiology.....	KINE
Chemistry.....	CHEM	Land Surveyor.....	SRVY
Chinese.....	CHIN	Logistics Management.....	LMGT
Computer Information Technology.....	BCIS, COSC, INEW, ITCC, ITMT, ITNW, ITSC, ITSE, ITSW, ITSY	Machining Technology.....	DFTG, INMT, MCHN
Cosmetology.....	CSME	Management.....	BMGT, BUSG, HRPO, IBUS, MRKG
Criminal Justice.....	CRJ	Mathematics.....	MATH, TECM
Dance.....	DANC	Mechatronics.....	HYDR, INMT, PTRT, RBTC
Dental Hygiene.....	DHYG	Medical Assisting.....	MDCA, ECRD
Diagnostic Medical Sonography.....	DSVT, DSAE, DMSO	Medical Radiologic Technology....	CTMT, MRIT, RADR
Drama.....	DRAM	Music.....	MUAP, MUEN, MUSI
Economics.....	ECON	Associate Degree Nursing.....	RNSG
Education.....	EDUC, TECA	Occupational Therapy Assistant.....	OTHA
Electrician.....	ELMT, ELPT, FCEL, WIND	Paralegal Studies.....	LGLA
Emergency Medical Services Professions.....	EMSP	Pharmacy Technology.....	PHRA
Engineering.....	ENGR	Philosophy.....	PHIL
Engineering Design Graphics Technology.....	ARCE, CETT, CNBT, DFTG, ENTC, HART, IEIR, INMT, MCHN	Physical Therapist Assistant.....	PTHA
Engineering Technology.....	CETT, CPMT, DFTG, EECT, ELMT, IEIR, INMT, INTC, RBTC	Physics.....	PHYS
English.....	ENGL, ETWR	Professional Office Technology.....	ITSW, POFL, POFM, POFT
Environmental Science.....	ENVR	Psychology.....	PSYC
Fire Science Technology.....	FIRS, FIRT	Respiratory Care.....	RSPT
French.....	FREN	ROTC.....	AFSC, MSCI
Game Design and Simulation.....	GAME	Sociology.....	SOCI
Geographic Information Systems.....	GISC	Spanish.....	SPAN
Geography.....	GEOG	Speech.....	SPCH
Geology.....	GEOL	Surgical Technology.....	SRGT
German.....	GERM	Veterinary Technology.....	VTHT
Government.....	GOVT	Visual Communication.....	ARTC, ARTV, GRPH, ITSW, FLMC, IMED, PHTC, RTVB
Health Information Technology.....	HITT, HPRS, MRMT	Vocational Nursing.....	VNSG
		Welding Technology.....	METL, NDTE, QCTC, WLDG

Crosswalk of Courses

Visit our website at LoneStar.edu/course-crosswalk.htm to see a crosswalk of course revisions. This crosswalk revision will identify the new course and the course it replaces due to course number, course prefix or title changes.

Old (2010-2011) Course

New (2011-2012) Course

AUMT 1445 Automotive Heating & Air Conditioning.....	AUMT 1445 Automotive Climate Control Systems
AUMT 2413 Manual Drive Train & Axles.....	AUMT 2413 Automotive Drive Train & Axles
AUMT 2417 Engine Performance Analysis I.....	AUMT 2417 Automotive Engine Performance Analysis I
AUMT 2434 Engine Performance Analysis II.....	AUMT 2434 Automotive Engine Performance Analysis II
CSME 1421 Principles of Facial/Esthetic Technology I.....	CSME 1421 Principles of Facial and Skin Care Technology I
CSME 1445 Principles of Facial/Esthetic Technology II.....	CSME 1445 Principles of Facial and Skin Care Technology II
CSME 2431 Principles of Facial/Esthetic Technology III.....	CSME 2431 Principles of Facials and Skin Care Technology III
COSC 1401 Microcomputer Applications.....	COSC 1401 Introduction to Computers
DSAE 2335 Advanced Echocardiography.....	DSAE 2235 Advanced Echocardiography
DSAE 2304 Echocardiographic Evaluation of Pathology I.....	DSAE 2404 Echocardiographic Evaluation of Pathology I
DSAE 2337 Echocardiographic Evaluation of Pathology II.....	DSAE 2437 Echocardiographic Evaluation of Pathology II
ENGL 2307 Creative Writing I.....	ENGL 2307 Fundamentals of Creative Writing
ENGL 2308 Creative Writing II.....	ENGL 2308 Creative Writing and Publishing
HIST 2311 History Of Western Civilization I.....	HIST 2311 Western Civilization to 1648
HIST 2312 History Of Western Civilization II.....	HIST 2312 Western Civilization from 1648
HIST 2321 World History I.....	HIST 2321 World History to 1492
HIST 2322 World History II.....	HIST 2322 World History from 1492
MUSI 1162 and 1165 Diction I and II.....	MUSI 1160, 1161, 2160, 2161 Italian, English, German and French Diction
NDTE 2311 Preparation for Welding Inspection.....	NDTE 2311 Preparation for Certified Welding Inspector Exam
PTRT 1301 Petroleum Industry.....	PTRT 1301 Introduction to Petroleum Industry