

# Accounting

## Associate of Applied Science in Accounting Technology - Tech Prep-AT2

Accounting, which is often called the "language of business," provides essential information about the economic activities of a business to its owners, its creditors, and other groups. The two-year accounting technology program is designed to prepare students for mid-level accounting positions, such as full-charge bookkeepers or clerical supervisors in business and industry. Emphasis is placed on generally accepted accounting principles and internal accounting procedures, as well as computer applications.

Although the degree plan contains courses which may be applicable to a four-year accounting degree, it is primarily designed to prepare the student for immediate job placement. Students pursuing a bachelor's degree in accounting should refer to the Associate of Science in Business Administration sections of this catalog and see a counselor prior to registration.

Students desiring a less comprehensive program that includes some accounting procedures and practices should consider the Accounting Technician Certificate or Advanced Accounting Technician Certificate.

Students who have not had high school accounting or who have not worked in accounting may wish to take ACNT 1303, Introduction to Accounting I, before taking ACCT 2401, Principles of Accounting I-Financial.

Students should plan to take a capstone course, as listed below, in their last semester and should speak with an accounting advisor prior to registering for the final semester.

FIRST SEMESTER		SCH
—	ACCT 2401 Principles of Accounting I-Financial	4
—	<b>ENGL 1301 English Composition I</b>	<b>3</b>
—	<b>POFI 1401 Computer Applications I</b>	<b>4</b>
—	POFT 1321 Business Math	3
—	ACNT 1331 Federal Income Tax: Individual	3
		<b>17</b>
SECOND SEMESTER		
—	ACCT 2402 Principles of Accounting II-Managerial	4
—	POFT 2312 Business Correspondence & Communication	3
—	ACNT 1311 Introduction to Computerized Accounting	3
—	ACNT 1329 Payroll & Business Tax Accounting	3
—	----- Business Elective *	3
		<b>16</b>
THIRD SEMESTER		
—	ACNT 2303 Intermediate Accounting I	3
—	ACNT 1313 Computerized Accounting Applications	3
—	BUSI 1301 Business Principles	3
—	<b>SPCH 1315 Principles of Public Speaking</b>	
	or	
—	<b>SPCH 1321 Business and Professional Communications</b>	<b>3</b>
—	---- <b>Natural Science/Mathematics</b>	<b>4</b>
		<b>16</b>
FOURTH SEMESTER		
—	ACNT 2304 Intermediate Accounting II	3
—	BUSI 2301 Business Law	3
—	ACNT 2309 Cost Accounting	3
—	---- <b>Social/Behavioral Science</b>	<b>3</b>
—	---- <b>Humanities/Fine Arts</b>	<b>3</b>
—	● ACNT 2389 Internship-Accounting	
	or	
—	● ACNT 2302 Accounting Capstone	3
		18
<b>Total Semester Credit Hours for Degree</b>		<b>67</b>

\* Business elective to be chosen from ACNT, BUSI, or BUSG courses.

## Certificate of Completion in Accounting Technician-TA1

The certificate programs in accounting are composed of course work designed to prepare the student for entry-level accounting positions, such as accounts receivable clerk, accounts payable clerk, small office bookkeeper, cashier, or payroll clerk. The programs are designed for the student who plans to seek employment at the end of two or three semesters of training. All courses may apply toward the Associate of Applied Science (AAS) in Accounting Technology degree.

Students who have not had high school accounting or who have not worked in accounting may wish to take ACNT 1303, Introduction to Accounting I, before taking ACCT 2401, Principles of Accounting I - Financial.

FIRST SEMESTER		SCH
—	ACCT 2401 Principles of Accounting I-Financial	4
—	POFT 1321 Business Math	3
—	POFI 1401 Computer Applications I	4
—	ACNT 1331 Federal Income Tax: Individual	3
—	POFT 1301 Business English	
	or	
—	ENGL 1301 English Composition I	3
		<b>17</b>
SECOND SEMESTER		
—	ACCT 2402 Principles of Accounting II-Managerial	4
—	ACNT 1311 Introduction to Computerized Accounting	3
—	POFT 2312 Business Correspondence & Communication	3
—	ACNT 1329 Payroll & Business Tax Accounting	3
—	ACNT 1313 Computerized Accounting Applications	3
—	● ACNT 2386 Internship-Accounting Technician	
	or	
—	● ACNT 2302 Accounting Technician Capstone	3
		19
<b>Total Semester Credit Hours for Certificate</b>		<b>36</b>

## Certificate of Completion in Advanced Accounting Technician-AT1

FIRST SEMESTER		SCH
—	ACCT 2401 Principles of Accounting I-Financial	4
—	POFT 1321 Business Math	3
—	POFI 1401 Computer Applications I	4
—	ACNT 1331 Federal Income Tax: Individual	3
—	POFT 1301 Business English	
	or	
—	ENGL 1301 English Composition I	3
		<b>17</b>
SECOND SEMESTER		
—	ACCT 2402 Principles of Accounting II-Managerial	4
—	ACNT 1311 Introduction to Computerized Accounting	3
—	POFT 2312 Business Correspondence & Communication	3
—	ACNT 1329 Payroll and Business Tax Accounting	3
—	BUSI 1301 Business Principles	3
		<b>16</b>
THIRD SEMESTER		
—	ACNT 2303 Intermediate Accounting I	3
—	ACNT 1313 Computerized Accounting Applications	3
—	ACNT 2309 Cost Accounting	3
—	BUSI 2301 Business Law	3
—	● ACNT 2387 Internship-Accounting Technician	
	or	
—	● ACNT 2302 Accounting Technician Capstone	3
		15
<b>Total Semester Credit Hours for Certificate</b>		<b>48</b>

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type. ♦ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Agribusiness

## Associate of Science in Agribusiness-AG3

Students will gain a basic understanding of how agriculture fits into the global marketplace, as well as learning accounting practices.

FIRST SEMESTER				SCH
—	<b>ENGL 1301</b>	<b>English Composition I</b>		<b>3</b>
—	<b>ECON 2301</b>	<b>Principles of Economics: Macroeconomics</b>		<b>3</b>
—	<b>BIOL ----</b>	<b>Biology *</b>		<b>4</b>
—	ACCT 2401	Principles of Accounting I - Financial		4
				<b>14</b>
SECOND SEMESTER				
—	<b>ENGL 1302</b>	<b>English Composition II</b>		<b>3</b>
—	<b>KINE ----</b>	<b>Health, Wellness &amp; Kinesiology</b>		<b>1</b>
—	<b>BIOL ----</b>	<b>Biology *</b>		<b>4</b>
—	----	<b>Computer Literacy</b>		<b>3/4</b>
—	ACCT 2402	Principles of Accounting II - Managerial		4
—	ECON 2302	Principles of Economics: Microeconomics		3
				<b>18</b>
THIRD SEMESTER				
—	<b>GOVT 2301</b>	<b>American Government I</b>		
		or		
	<b>GOVT 2302</b>	<b>American Government II</b>		<b>3</b>
—	<b>SPCH ----</b>	<b>Communication: Other</b>		<b>3</b>
—	----	<b>Humanities: Other</b>		<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>		<b>3</b>
—	AGRI 2317	Introduction to Agriculture Economics		3
				<b>15</b>
FOURTH SEMESTER				
—	<b>GOVT 2301</b>	<b>American Government I</b>		
		or		
	<b>GOVT 2302</b>	<b>American Government II</b>		<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>		<b>3</b>
—	<b>MATH 1414</b>	<b>College Algebra **</b>		<b>4</b>
—	----	<b>Humanities: Visual/Performing Arts</b>		<b>3</b>
—	CHEM 1411	General Chemistry II		4
				<b>17</b>
				<b>64</b>
		<b>Total Semester Credit Hours for Degree</b>		<b>64</b>

\* BIOL may be chosen from BIOL 1406, 1407, 1411, or 1413.

\*\* Most programs require MATH 2442 Elementary Statistics. Students who qualify should take this course.

# Architecture

## Associate of Arts in Architecture-AR3

The curriculum is offered for students who are studying for a four- or five-year Bachelor of Architecture degree. Students will gain a basic understanding of architecture and design and be able to create a portfolio of their work. The courses selected are representative of those required during the first two years of study leading to a professional degree in architecture. It is the responsibility of the student to contact the transfer university to obtain its specific course requirements, see an advisor, and enroll in appropriate lower division courses. Upon transfer, students may be required to submit a portfolio of their work for review and acceptance by the selected university.

FIRST SEMESTER			SCH
—	ARTS 1316	Drawing I	
		<i>or</i>	
	ARCH 2301	Architectural Freehand Drawing I	3
—	ARCH 1303	Architectural Design I	3
—	<b>ARCH 1311</b>	<b>Introduction to Architecture</b>	<b>3</b>
—	<b>ENGL 1301</b>	<b>English Composition I</b>	<b>3</b>
—	----	<b>Social/Behavioral Science: Other</b>	<b>3</b>
—	<b>GOVT 2301</b>	<b>American Government I</b>	<b>3</b>
			<b>18</b>
SECOND SEMESTER			
—	ARCH 1304	Architectural Design II	3
—	ARCH 1307	Architectural Graphics I	3
—	<b>MATH 1414</b>	<b>College Algebra or higher **</b>	<b>4</b>
—	<b>SPCH 1315</b>	<b>Principles of Public Speaking</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
			<b>16</b>
THIRD SEMESTER			
—	ARCH 1301	Architectural History I	
		<i>or</i>	
	ARCH 1302	Architectural History II	3
—	<b>PHYS 1401</b>	<b>College Physics I</b>	<b>4</b>
—	<b>ENGL 1302</b>	<b>English Composition II</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	----	<b>Humanities: Other</b>	<b>3</b>
			<b>16</b>
FOURTH SEMESTER			
—	----	<b>Computer Literacy</b>	<b>3-4</b>
—	ARCH ----	Architectural elective	
		<i>or</i>	
	ARTS ----	Arts elective	3
—	<b>PHYS 1402</b>	<b>College Physics II</b>	<b>4</b>
—	<b>GOVT 2302</b>	<b>American Government II</b>	<b>3</b>
—	<b>KINE - - -</b>	<b>Health, Wellness, Kinesiology</b>	<b>1</b>
			<b>14-15</b>
<b>Total Semester Credit Hours for Degree</b>			<b>64/65</b>

\*\* Most architecture programs require MATH 2412 Precalculus or equivalent as the math requirement. Students who qualify should take this course.

- Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.
- ◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Automotive Technology

These programs offer a certificate program that will give students the opportunity to learn entry level skills in the automotive field. With classes held in the Stuart Career Center of Goose Creek Consolidated ISD, the program is designed for both high school dual enrollment students and the community. Due to the nature of the classes, students may need permission to enroll. For more information, contact the Chief Academic Officer at 281-425-6445 or the Counseling Center at 281-425-6384.

## Certificate of Completion in Auto Body Repair Technician-ABR1

FIRST SEMESTER			SCH
—	ABDR 1455	Minor Metal Repair	4
—	ABDR 1458	Intermediate Refinishing	4
—	ABDR 1380	Cooperative Education Autobody/Collision & Repair	3
			<b>11</b>
SECOND SEMESTER			SCH
—	ABDR 1441	Structural Analysis & Damage Repair I	4
—	ABDR 1442	Structural Analysis & Damage Repair II	4
—	ABDR 1381	Cooperative Education Autobody/Collision & Repair	3
			<b>11</b>
THIRD SEMESTER			SCH
—	ABDR 2402	Auto Body Mechanical & Electrical Service	4
—	ABDR 2255	Collision Repair-Estimating	2
—	ABDR 2380	Cooperative Education Autobody/Collision & Repair <i>or</i>	
—	ABDR 2381	Cooperative Education Autobody/Collision & Repair	3
			<b>9</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>31</b>

## Certificate of Completion in Automotive Technician-AUT1

FIRST SEMESTER			SCH
—	AUMT 1349	Automotive Electronics Theory	3
—	AUMT 2305	Automotive Engine Theory	3
—	AUMT 2315	Automotive Engine Performance Analysis Theory I	3
—	AUMT 2388	Internship-Automobile/Automotive Mechanics	3
			<b>12</b>
SECOND SEMESTER			SCH
—	AUMT 1407	Automotive Electrical Systems	4
—	AUMT 1357	Automotive Brake Systems Theory	3
—	AUMT 1480	Cooperative Education Automobile/Automotive Mechanics	4
—	AUMT 1313	Automotive Suspension & Steering Systems Theory	3
			<b>14</b>
THIRD SEMESTER			SCH
—	AUMT 1416	Automotive Suspension & Steering Systems	4
—	ABDR 2402	Auto Body Mechanical & Electrical Service	4
—	AUMT 2317	Automotive Engine Performance Analysis I	3
—	AUMT 2389	Internship-Automobile/Automotive Mechanics	3
			<b>14</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>40</b>

# Business Administration and Management

## Associate of Science in Business Administration-B3

The Associate of Science in Business Administration degree is designed to provide students with the freshman and sophomore courses that will transfer to Texas public universities for a bachelor of arts (BA/BBA) or bachelor of science (BS) degree in business.

FIRST SEMESTER	SCH
— ENGL 1301 English Composition I	3
— COSC 1301 Microcomputer Applications	3
— BUSI 1301 Business Principles	3
— ---- Health, Wellness, Kinesiology	1
— MATH 1324 Finite Math with Business Applications	3
— ---- Humanities: Visual/Performing Arts	3
	16
SECOND SEMESTER	SCH
— ENGL 1302 English Composition II	3
— BUSI 2301 Business Law	3
— ---- Natural Science	4
— SPCH 1321 Business and Professional Communications	3
— MATH 1425 Calculus with Business Applications	4
	17
THIRD SEMESTER	SCH
— ACCT 2401 Principles of Accounting I - Financial	4
— ECON 2301 Principles of Economics: Macroeconomics	3
— GOVT 2301 American Government I	3
— HIST 1301 History of the United States to 1877	3
— ---- Humanities: Other	3
	16
FOURTH SEMESTER	SCH
— ACCT 2402 Principles of Accounting II - Managerial	4
— ECON 2302 Principles of Economics: Microeconomics	3
— GOVT 2302 American Government II	3
— ---- Natural Science	4
— HIST 1302 History of the United States Since 1877	3
	17
<b>Total Semester Credit Hours for Degree</b>	<b>66</b>

## Associate of Applied Science in Management - Tech Prep-MN2

FIRST SEMESTER	SCH
— BMGT 1301 Supervision	3
— ENGL 1301 English Composition I	3
— COSC 1301 Microcomputer Applications	
or	
— BCIS 1405 Business Computer Applications	3/4
— HRPO 1311 Human Relations	3
— BMGT 1341 Business Ethics	3
	15/16
SECOND SEMESTER	SCH
— SPCH 1321 Business and Professional Communications	3
— BUSI 1301 Business Principles	3
— ACNT 1303 Intro to Accounting	
or	
— ACCT 2401 Accounting Principles I	3/4
— HRPO 2301 Human Resource Management	3
— MRKG 1311 Principles of Marketing	3
	15/16
THIRD SEMESTER	SCH
— BMGT 1331 Production and Operations Management	3
— BMGT 1325 Office Management	3
— ---- Social/Behavioral Science	3
— ENGL 2311 Technical Report Writing	3
— IBUS 1305 Introduction to International Business	3
— BMGT 1307 High Performance Work Teams	3
	18
FOURTH SEMESTER	SCH
— BUSI 2301 Business Law	3
— ---- Natural Science/Mathematics	4
— BUSG 2309 Small Business Management *	3
— ---- Humanities/Fine Arts	3
— BMGT 1327 Principles of Management	3
	16
<b>Total Semester Credit Hours for Degree</b>	<b>64/66</b>

\* Students who are not employed in qualifying jobs may select from BMGT 2309 or MRKG 2333 in lieu of BMGT 1383; BUSG 2309 will be the capstone course in lieu of BMGT 2383.

## Certificate of Completion in Business-BU1

FIRST SEMESTER	SCH
— BUSI 1301 Business Principles	3
— BMGT 1327 Principles of Management	3
— BUSI 2301 Business Law	3
— MRKG 1311 Principles of Marketing	3
— BMGT 1331 Production and Operations Management	3
	15
<b>Total Semester Credit Hours for Certificate</b>	<b>15</b>

## Certificate of Completion in International Business-IB3

FIRST SEMESTER	SCH
— BUSI 1301 Business Principles	3
— BMGT 1327 Principles of Management	3
— MRKG 1311 Principles of Marketing	3
— ● IBUS 1305 Introduction to International Business and Trade	3
— ---- Social/Behavioral Science	3
	15
<b>Total Semester Credit Hours for Certificate</b>	<b>15</b>

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester.  
 Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underline. If both core and FOS, courses are shown in bold & underline type.  
 † Students completing a high school Tech Prep program may receive credit for indicated courses.



## Certificate of Completion in Management-MN1

FIRST SEMESTER			SCH
__	BMGT 1301	Supervision	3
__	BMGT 1327	Principles of Management	3
__	BMGT 1307	High Performance Work Teams	3
__	HRPO 2301	Human Resource Management	3
__	HRPO 1311	Human Relations	3
			<b>15</b>
SECOND SEMESTER			
__	BMGT 1325	Office Management	3
__	BMGT 1331	Production And Operations Management	3
__	BUSG 2309	Small Business Management	3
__	ACNT 1303	Introduction to Accounting	
		<i>or</i>	
__	ACCT 2401	Accounting Principles I	3
			<b>12</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>27</b>

## Certificate of Completion in Entrepreneurship-BE1

The Certificate of Entrepreneurship is designed for individuals who plan to open their own business and/or those students who want to work for a small organization (usually one with less than fifty full-time employees) in a leadership role. With the assistance of the Management Faculty Advisor, these courses can become part of an AAS in Management for students who want to continue their education.

FIRST SEMESTER			SCH
__	BMGT 1301	Supervision	3
__	ACNT 1303	Introduction to Accounting	
		<i>or</i>	
__	ACCT 2401	Accounting Principles I	3/4
__	BUSI 1301	Business Principles	3
__	MRKG 1311	Principles of Marketing	3
			<b>12/13</b>
SECOND SEMESTER			
__	BUSI 2301	Business Law	3
__	IMED 2309	Internet Commerce	3
__	IBUS 1305	Intro to International Business	3
__●	BUSG 2309	Small Business Management	3
			<b>12</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>24/25</b>

## Certificate of Completion in Supervision-SU1

FIRST SEMESTER			SCH
__	BMGT 1301	Supervision	3
__	MRKG 1311	Principles of Marketing	3
__	BMGT 1307	High Performance Work Teams	3
			<b>9</b>
SECOND SEMESTER			
__	HRPO 2301	Human Resource Management	3
__	BMGT 1331	Production and Operations Management	
		<i>or</i>	
__	BMGT 1325	Office Management	3
			<b>6</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>15</b>

## Certificate of Completion in Marketing-MK1

FIRST SEMESTER			SCH
__	MRKG 1311	Principles of Marketing	3
__	BUSI 1301	Business Principles	3
__	GISC 1311	Introduction to GIS	3
			<b>9</b>
SECOND SEMESTER			
__	IMED 2309	Internet commerce	3
__	BUSI 2301	Business Law	3
__	IBUS 1305	Intro to international Business	3
			<b>9</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>18</b>

# Career Pilot Technology

To be eligible for reduced aircraft usage (rental) rates, each student will register in two ground school courses and one flight course during the regular semesters, and one ground school course and one flight course during the summer semesters.

## Certificate of Completion in Career Pilot-CP1

FIRST SEMESTER	SCH
— AIRP 1215 Private Flight	2
— AIRP 1345 Aviation Safety	3
— AIRP 1317 Private Pilot Ground School	3
	<b>8</b>
SECOND SEMESTER	
—● AIRP 1255 Intermediate Flight	2
— AIRP 1343 Aerodynamics	3
— AIRP 1301 Air Navigation	3
	<b>8</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>16</b>

## Certificate of Completion in Instrument Pilot-PI1

FIRST SEMESTER	SCH
— AIRP 1255 Intermediate Flight	2
— AIRP 1351 Instrument Ground School	3
— AIRP 1307 Aviation Meteorology	3
	<b>8</b>
SECOND SEMESTER	
—● AIRP 2250 Instrument Flight	2
— AIRP 1341 Advanced Air Navigation	3
— AIRP 2331 Advanced Meteorology	3
	<b>8</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>16</b>

## Certificate of Completion in Commercial Pilot-PC1

FIRST SEMESTER	SCH
— AIRP 1255 Intermediate Flight	2
— AIRP 2333 Aircraft Systems	3
— AIRP 2337 Commercial Ground School	3
	<b>8</b>
SECOND SEMESTER	
—● AIRP 2239 Commercial Flight	2
— AIRP 1343 Aerodynamics	3
— AIRP 2331 Advanced Meteorology	3
	<b>8</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>16</b>

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester.  
 Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.  
 ♦ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Communications

## Associate of Applied Science in Audio Engineering Technology–AET2

FIRST SEMESTER			SCH
—	MUSC 1427	Audio Engineering I	4
—	<b>MUSC 1331</b>	<b>MIDI I *</b>	<b>3</b>
—	MUSB 1305	Survey of Music Business	3
—	<b>MUSI 1301</b>	<b>Music Fundamentals</b>	
		<i>or</i>	
—	MUSI 1311	Music Theory I	3
—	MUSI 1181	Class Piano I	1
—	<b>ENGL 1301</b>	<b>English Composition I</b>	<b>3</b>
			<b>17</b>

SECOND SEMESTER			SCH
—	MUSC 1323	Audio Electronics	3
—	MUSC 2427	Audio Engineering II	4
—	MUSC 2355	MIDI II	3
—	MUSI 1306	Music Appreciation	
		<i>or</i>	
—	MUSI 1310	Contemporary American Music	3
—	<b>SPCH ----</b>	<b>Oral Communications</b>	<b>3</b>
			<b>16</b>

THIRD SEMESTER			SCH
—	MUSC 2447	Audio Engineering III	4
—	RTVB 1321	TV Field Production	3
—	MUSC 1335	Commercial Music Software	3
—	MUAP ----	Applied Music Elective	1
—	<b>---- ----</b>	<b>Social/Behavioral Science</b>	<b>3</b>
—	<b>MATH 1332</b>	<b>Contemporary Math I</b>	
		<i>or</i>	
—	<b>MATH 1414</b>	<b>College Algebra</b>	<b>3/4</b>
			<b>17/18</b>

FOURTH SEMESTER			SCH
—	MUAP ----	Applied Music Elective	1
—	MUSC 2448	Audio Engineering IV	4
—	MUSB 2350	Commercial Music Project	3
—	MUSC 2386	Internship-Recording Arts Technology/Technician	3
—	MUSC 1396	Special Topics in Recording Arts Technology	
		<i>or</i>	
—	MUSC ----	Elective	3/4
			<b>14/15</b>

**Total Semester Credit Hours for Degree** **64/66**  
 \* MUSC 1331 will satisfy the Computer Literacy core.

## Associate of Science in Communications: Audio Recording–CM3

Students will gain a basic understanding of the audio recording industry and be able to create a CD.

FIRST SEMESTER			SCH
—	<b>ENGL 1301</b>	<b>English Composition I</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	<b>KINE ----</b>	<b>Health, Wellness, Kinesiology</b>	<b>1</b>
—	<b>COSC 1301</b>	<b>Microcomputer Applications</b>	<b>3</b>
—	MUAP ----	Elective ***	1
—	COMM 2303	Beginning Audio Recording Techniques	3
—	MUSI 1301	Fundamentals of Music	
		<i>or</i>	
—	MUSI 1311	Music Theory I	3
			<b>17</b>

SECOND SEMESTER			SCH
—	<b>ENGL 1302</b>	<b>English Composition II</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	<b>---- ----</b>	<b>Humanities: Visual/Performing Arts *</b>	<b>3</b>
—	<b>---- ----</b>	<b>Social/Behavioral Science: Other **</b>	<b>3</b>
—	<b>---- ----</b>	<b>Mathematics ###</b>	<b>3</b>
—	COMM 2324	Intermediate Recording Techniques	3
			<b>18</b>

THIRD SEMESTER			SCH
—	<b>GOVT 2301</b>	<b>American Government I</b>	<b>3</b>
—	<b>---- ----</b>	<b>Natural Science ##</b>	<b>4</b>
—	<b>---- ----</b>	<b>Communication: Other</b>	<b>3</b>
—	MUAP ----	Elective	1
—	COMM 2325	Electronic Music I (Editing Hard Disk)	3
—	COMM 2326	Electronic Music II (MIDI Interface)	3
			<b>17</b>

FOURTH SEMESTER			SCH
—	<b>GOVT 2302</b>	<b>American Government II</b>	<b>3</b>
—	<b>---- ----</b>	<b>Natural Science ##</b>	<b>4</b>
—	COMM 2220	Advanced Recording and Production Techniques	2
—	COMM 2289A	Audio Recording Cooperative	2
—	<b>---- ----</b>	<b>Humanities: Other^</b>	<b>3</b>
			<b>14</b>

**Total Semester Credit Hours for Degree** **66**

\* MUSI 1306 or 1310 preferred  
 \*\* Economics courses preferred  
 ^ Philosophy preferred  
 \*\*\* Check with Transfer University  
 ## General Physics 1405, 1407 or check with Transfer University (College Physics 1401 and 1402 require MATH 1414 or equivalent.)  
 ### Math to be chosen from Math 1316, 1324, and 1332.



## Certificate of Completion in Audio Engineering Technology–AET1

FIRST SEMESTER		SCH
—	MUSC 1427 Audio Engineering I	4
—	MUSC 1331 MIDI I	3
—	MUSB 1305 Survey of Music Business	3
—	MUSI 1301 Music Fundamentals	
	<i>or</i>	
—	MUSI 1311 Music Theory I	3
—	MUSI 1181 Class Piano I	1
		<b>14</b>
SECOND SEMESTER		
—	MUSC 2427 Audio Engineering II	4
—	MUSC 2355 MIDI II	3
—	MUSC 1335 Commercial Music Software	3
—	MUSI 1306 Music Appreciation	
	<i>or</i>	
—	MUSI 1310 Contemporary American Music	3
		<b>13</b>
THIRD SEMESTER		
—	MUSC 2447 Audio Engineering III	4
—	MUSC 1323 Audio Electronics	3
—	RTVB 1321 Intro to Video Production	3
—	MUSC 1396 Special Topics in Recording Arts Technology/Technician	3/4
		<b>13/14</b>
FOURTH SEMESTER		
—	MUSC 2448 Audio Engineering IV	4
—	MUSB 2350 Commercial Music Project	3
—	MUSC 2386 Internship-Recording Arts Technology/Technician	3
—	MUAP ---- Applied Music	1
		<b>11</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>51/52</b>

## Certificate of Completion in Music Studio Production–MSP1

FIRST SEMESTER		SCH
—	MUSC 1427 Audio Engineering I	4
—	MUSC 1331 MIDI I	3
—	MUSB 1305 Survey of Music Business	3
—	MUSI 1301 Music Fundamentals	
	<i>or</i>	
—	MUSI 1311 Music Theory I	3
—	MUSI 1181 Class Piano I	1
		<b>14</b>
SECOND SEMESTER		
—	MUSC 2427 Audio Engineering II	4
—	MUSC 2355 MIDI II	3
—	MUSC 1335 Commercial Music Software	3
—	MUSI 1306 Music Appreciation	
	<i>or</i>	
—	MUSI 1310 Contemporary American Music	3
		<b>13</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>27</b>

## Certificate of Completion in Sound Reinforcement Technology–SRT1

The Sound Reinforcement Technology certificate prepares students for a career in the live sound industry. Students will learn the skills necessary to operate, maintain, design, and install sound systems in a variety of settings. Career opportunities include working with touring companies, concert venues, sports facilities, theaters, houses of worship, convention halls, and many other kinds of venues. Students completing this program are TSI responsible.

FIRST SEMESTER		SCH
—	MUSC 1427 Audio Engineering I	4
—	MUSC 1405 Live Sound I	4
—	MUSC 2402 Sound Systems Technician	4
—	MUSB 1305 Survey of the Music Business	3
		<b>15</b>
SECOND SEMESTER		
—	MUSC 2427 Audio Engineering II	4
—	MUSC 2403 Live Sound II	4
—	MUSC 2459 Sound System Optimization	4
—	RTVB 1321 TV Field Production	3
		<b>15</b>
THIRD SEMESTER		
—	MUSC 2386 Internship-Recording Arts Technology/Tech	3
—	MUSC 2453 Live Sound III	4
		<b>7</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>37</b>

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.

◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Computer Information Systems

## Associate of Applied Science in Personal Computer Support Specialist-PC2

### FIRST SEMESTER

___	<b>ITSC</b>	<b>1309</b>	<b>Integrated Software Applications I</b>	
			<i>or</i>	
___	<b>BCIS</b>	<b>1405</b>	<b>Business Computer Applications</b>	<b>3-4</b>
___	ARTC	1453	Computer Illustration	4
___	CPMT	1411	Introduction to Computer Maintenance	4
___	ITCC	1402	CCNA 1: Networking Basics	4
___	IMED	1316	Web Page Design I	3
				<b>18/19</b>

### SECOND SEMESTER

___	ITSC	2321	Integrated Software Applications II	3
___	IMED	1445	Interactive Multimedia I	4
___	ARTC	2440	Computer Illustration II	4
___	ARTC	1413	Digital Publishing I	4
				<b>15</b>

### THIRD SEMESTER

___	<b>ENGL</b>	<b>1301</b>	<b>English Composition I</b>	<b>3</b>
___	----	----	<b>Social/Behavioral Science</b>	<b>3</b>
___	ITSW	2337	Advanced Database	3
___	----	----	<b>Natural Science/Mathematics</b>	<b>4</b>
___	COSC	1436	Programming Fundamentals I	
			<i>or</i>	
___	ITSE	1331	Introduction to Visual BASIC Programming	3/4
				<b>16/17</b>

### FOURTH SEMESTER

___	----	----	<b>Oral Communications</b>	<b>3</b>
___	ITSE	1350	System Analysis and Design	3
___	ITSC	2335	Application Problem Solving	
			<i>or</i>	
___●	ITSC	2339	Personal Computer Help Desk	3
___	----	----	<b>Humanities/Fine Arts</b>	<b>3</b>
___	----	----	Elective *	3-4
				<b>15/16</b>

**Total Semester Credit Hours for Degree 64/67**

\* Select electives from COSC 1437, IMED 2309, IMED 2315 or ITSC 1364.

## Certificate of Completion in Personal Computer Support Specialist I-PCS1

### FIRST SEMESTER

___	ITSC	1309	Integrated Software Applications I	
			<i>or</i>	
___	BCIS	1405	Business Computer Applications	3-4
___	ARTC	1453	Computer Illustration	4
___	CPMT	1411	Introduction to Computer Maintenance	4
___	ITCC	1402	CCNA 1: Networking Basics	4
___●	IMED	1316	Web Page Design I	3
				<b>18</b>

**Total Semester Credit Hours for Certificate 18/19**

## Certificate of Completion in Personal Computer Support Specialist II-PCSS1

### FIRST SEMESTER

___	ITSC	1309	Integrated Software Applications I	
			<i>or</i>	
___	BCIS	1405	Business Computer Applications	3-4
___	ARTC	1453	Computer Illustration	4
___	CPMT	1411	Introduction to Computer Maintenance	4
___	ITCC	1402	CCNA 1: Networking Basics	4
___	IMED	1316	Web Page Design I	3
				<b>18</b>

**Total Semester Credit Hours for Certificate 18/19**

### SECOND SEMESTER

___	ITSC	2321	Integrated Software Applications II	3
___	IMED	1445	Interactive Multimedia I	4
___	ARTC	2440	Computer Illustration II	4
___●	ARTC	1413	Digital Publishing I	4
				<b>15</b>

**Total Semester Credit Hours for Certificate 33/34**

## Associate of Applied Science in E-Business Web Developer Specialist-EB2

### FIRST SEMESTER

___	<b>ITSC</b>	<b>1309</b>	<b>Integrated Software Applications I</b>	
			<i>or</i>	
___	<b>BCIS</b>	<b>1405</b>	<b>Business Computer Applications</b>	<b>3-4</b>
___	ITSE	1331	Introduction to Visual BASIC Programming	3
___	COSC	1436	Programming Fundamentals I	4
___	ARTC	1453	Computer Illustration	4
___	IMED	1316	Web Page Design I	3
				<b>17/18</b>

### SECOND SEMESTER

___	ITSC	2321	Integrated Software Applications II	3
___	ARTC	2440	Computer Illustration II	4
___	ARTC	1413	Digital Publishing I	4
___	ITSE	1350	System Analysis and Design	3
___	MRKG	1311	Principles of Marketing	3
				<b>17</b>

### THIRD SEMESTER

___	IBUS	1305	Introduction of International Business and Trade	3
___	BUSG	2309	Small Business Management	3
___	<b>ENGL</b>	<b>1301</b>	<b>English Composition I</b>	<b>3</b>
___	----	----	<b>Oral Communications</b>	<b>3</b>
___	----	----	<b>Humanities/Fine Arts</b>	<b>3</b>
				<b>15</b>

### FOURTH SEMESTER

___	IMED	1445	Interactive Multimedia I	4
___	----	----	<b>Natural Science/ Mathematics</b>	<b>4</b>
___	----	----	<b>Social/Behavioral Science</b>	<b>3</b>
___	IMED	2309	Internet Commerce	3
___	IMED	2315	Web Page Design II	
			<i>or</i>	
___●	ITSC	1364	Practicum (or Field Experience) Computer and Information Sciences, General	3
				<b>17</b>

**Total Semester Credit Hours for Degree 66/67**

## Certificate of Completion in E-Business Web Developer Specialist I-EBW1

FIRST SEMESTER			SCH
__	ITSC 1309	Integrated Software Applications I <i>or</i>	
__	BCIS 1405	Business Computer Applications	3-4
__	ITSE 1331	Introduction to Visual BASIC Programming	3
__	COSC 1436	Programming Fundamentals I	4
__	ARTC 1453	Computer Illustration	4
__●	IMED 1316	Web Page Design I	3
<b>Total Semester Credit Hours for Certificate</b>			<b>17/18</b>

## Certificate of Completion in E-Business Web Developer Specialist II-EB1

FIRST SEMESTER			SCH
__	ITSC 1309	Integrated Software Applications I <i>or</i>	
__	BCIS 1405	Business Computer Applications	3-4
__	ITSE 1331	Introduction to Visual BASIC Programming	3
__	COSC 1436	Programming Fundamentals I	4
__	ARTC 1453	Computer Illustration	4
__●	IMED 1316	Web Page Design I	3
			<b>17/18</b>
SECOND SEMESTER			
__	ITSC 2321	Integrated Software Applications II	3
__	ARTC 2440	Computer Illustration II	4
__●	ARTC 1413	Digital Publishing I	4
__	ITSE 1350	System Analysis and Design	3
__	MRKG 1311	Principles of Marketing	3
			<b>17</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>34/35</b>

## Certificate of Completion in Digital Media I-DME1

FIRST SEMESTER			SCH
__	ITSC 1309	Integrated Software Applications <i>or</i>	
__	BCIS 1405	Business Computer Applications	3-4
__	ARTC 1453	Computer Illustration	4
__●	IMED 1316	Web Page Design I	3
__	MRKG 1311	Principles of Marketing	3
__	POFT 1127	Introduction to Keyboarding	1
__	POFT 1132	Workplace Diversity	1
			<b>15/16</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>15/16</b>

## Certificate of Completion in Digital Media II-DM1

FIRST SEMESTER			SCH
__	ITSC 1309	Integrated Software Applications <i>or</i>	
__	BCIS 1405	Business Computer Applications	3-4
__	ARTC 1453	Computer Illustration	4
__	IMED 1316	Web Page Design I	3
__	MRKG 1311	Principles of Marketing	3
__	POFT 1127	Introduction to Keyboarding	1
__	POFT 1132	Workplace Diversity	1
			<b>15/16</b>
SECOND SEMESTER			
__●	ITSC 2321	Integrated Software Applications II	3
__	ARTC 2440	Computer Illustration II	4
__	IMED 1445	Interactive Multimedia I	4
__	ARTC 1413	Digital Publishing I	4
__	IMED 2311	Portfolio Development	3
			<b>18</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>33/34</b>

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester.  
 Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.  
 † Students completing a high school Tech Prep program may receive credit for indicated courses.



# Computer Maintenance Technology

## Associate of Applied Science in Computer Maintenance Technology - Tech Prep-MT2

This tech prep program is designed to prepare students with concepts and skills required for entry level employment into computer support and maintenance careers. Completion prepares the student with CISCO routing skills.

FIRST SEMESTER	SCH
___ CPMT 1407 Electronic and Computer Skills	4
___ CPMT 1449 Computer Networking Technology	4
___ TECM 1341 Technical Algebra	3
___ <b>ITSC 1309 Integrated Software Applications I</b>	<b>3</b>
___ <b>CPMT 1411 Introduction to Computer Maintenance</b>	<b>4</b>
	<b>18</b>
SECOND SEMESTER	
___ CPMT 2445 Computer System Troubleshooting	4
___ TECM 1349 Technical Math Applications	3
___ ITCC 1401 Exploration: Network Fundamentals	4
___ <b>ENGL ----- Written Communication</b>	<b>3</b>
___ <b>----- Humanities/Fine Arts</b>	<b>3</b>
	<b>17</b>
THIRD SEMESTER	
___ ----- Elective *	4
___ <b>SPCH ----- Oral Communications</b>	<b>3</b>
___ POFT 2312 Business Correspondence & Communication or	
___ BUSI 1304 Business Report Writing & Correspondence	3
___ <b>----- Social/Behavioral Science</b>	<b>3</b>
___ ----- Elective*	3
	<b>16</b>
FOURTH SEMESTER	
___ ----- <b>Natural Science</b>	<b>4</b>
___ ● CPMT ----- Capstone Course **	4
___ ----- Elective *	4
	<b>12</b>
<b>Total Semester Credit Hours for Degree</b>	<b>63</b>

\* Electives should be chosen from ITCC or ITNW courses for network maintenance concentration. Otherwise, electives should be chosen from computer related areas.

\*\* The capstone experience will be assigned by the Lead Instructor as CPMT 2449 or CPMT 2488.

## Certificate of Completion in Computer Maintenance Technology-MT1

FIRST SEMESTER	SCH
___ CPMT 1407 Electronic and Computer Skills	4
___ TECM 1341 Technical Algebra	3
___ CPMT 1449 Computer Networking Technology	4
___ CPMT 1411 Introduction to Computer Maintenance	4
	<b>15</b>
SECOND SEMESTER	
___ CPMT 2445 Computer System Troubleshooting	4
___ TECM 1349 Technical Math Applications	3
___ ITCC 1401 Exploration: Network Fundamentals	4
___ ● CPMT - - - - Capstone Experience *	4
	<b>15</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>30</b>
* The capstone experience will be assigned by the Lead Instructor as CPMT 2449 or CETT 2488.	

## Certificate of Completion in Network Maintenance Technology-NET1

FIRST SEMESTER	SCH
___ ITCC 1401 Exploration: Network Fundamentals	4
___ CPMT 1411 Introduction to Computer Maintenance	4
	<b>8</b>
SECOND SEMESTER	
___ CPMT 1449 Computer Networking Technology	4
___ ITCC 1404 Cisco Exploration 2 - Routing Protocols and Concepts	4
___ CPMT 2445 Computer System Troubleshooting	4
	<b>12</b>
THIRD SMESTER	
___ ● CPMT 2449 Advanced Computer Networking Technology *	4
___ ITCC 2408 Cisco Exploration 3: LAN Switching and Wireless	4
___ ITCC 2410 Cisco Exploration 4: Accessing the WAN	4
	<b>12</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>32</b>
* Students should plan to take this capstone course in their last semester and should speak to their advisor prior to registering for the final semester.	

# Computer Programming Computer Science

## Associate of Science in Computer Science - Field of Study-CS3

This degree plan is designed for students who plan to major in Computer Science and transfer to a four-year college or university. The Field of Study courses will constitute a semester credit hour transfer block to any public Texas four-year college or university with a Computer Science major. Transferring students shall not be required to repeat courses transferred as part of the Field of Study curriculum. However, a receiving institution can require additional lower-division courses that may be necessary for specific degree programs. Students should plan very carefully and work with an advisor.

FIRST SEMESTER	SCH
— <b>ENGL 1301</b> <b>English Composition I</b>	<b>3</b>
— <b>COSC 1301</b> <b>Microcomputer Applications</b>	<b>3</b>
— <u>COSC 1436</u> <u>Programming Fundamentals I</u>	4
— <b>HIST ----</b> <b>Social/Behavioral Science: History</b>	<b>3</b>
— ---- <b>Humanities: Visual/Performing Arts</b>	<b>3</b>
	<b>16</b>
SECOND SEMESTER	
— <b>HIST ----</b> <b>Social/Behavioral Science: History</b>	<b>3</b>
— <u>COSC 1437</u> <u>Programming Fundamentals II</u>	4
— <b>ENGL 1302</b> <b>English Composition II</b>	<b>3</b>
— ---- <b>Communication: Other</b>	<b>3</b>
— <b>MATH 2413</b> <b>Calculus I with Analytic Geometry</b>	<b>4</b>
	<b>17</b>
THIRD SEMESTER	
— ---- <b>Humanities: Other</b>	<b>3</b>
— <b>GOVT 2301</b> <b>American Government I</b>	<b>3</b>
— <u>COSC 2325</u> <u>Computer Organization &amp; Machine Language</u>	3
— <u>MATH 2414</u> <u>Calculus II with Analytic Geometry</u>	4
— <b>PHYS 2425</b> <b>Mechanics &amp; Heat</b>	<b>4</b>
	<b>17</b>
FOURTH SEMESTER	
— <b>GOVT 2302</b> <b>American Government II</b>	<b>3</b>
— <u>COSC 2436</u> <u>Programming Fundamentals III</u>	4
— <b>KINE - - -</b> <b>Health, Wellness, Kinesiology</b>	<b>1</b>
— <b>PHYS 2426</b> <b>Electricity, Optics &amp; Waves</b>	<b>4</b>
— ---- <b>Social/Behavioral Science: Other</b>	<b>3</b>
	<b>15</b>
<b>Total Semester Credit Hours for Degree</b>	<b>65</b>

- Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.
- ◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Construction Engineering Technology

## Associate of Applied Science in Construction Engineering Technology/Technician-CET2

The Construction Engineering Technology program objective is to provide graduates with knowledge and skills that are valued and sought by the construction industry profession. Graduates must have knowledge of construction materials and methods, structural systems, and surveying; be capable of interpreting codes, plans and specifications; and have skills for planning, estimating, scheduling, and evaluating project performance. The curriculum provides fundamental and specialized coursework that incorporates current standards and technology for managing and providing quality construction. Construction Engineering Technology Program prepares graduates for entry-level employment, and provides them with a foundation for transfer to the university and continued life-long education.

FIRST SEMESTER	SCH
___ DFTG 1405 Technical Drafting	4
___ CNBT 1311 Construction Methods & Materials I	3
___ CNBT 1442 Building Codes & Inspections	4
___ ---- ---- <b>Computer Literacy</b>	<b>3/4</b>
___ TECM 1349 Technical Math Application	3
	17/18

SECOND SEMESTER	SCH
___ CNBT ---- CNBT Elective *	3/4
___ DFTG 1409 Basic Computer Aided Drafting	4
___ ---- ---- <b>Social &amp; Behavioral Science</b>	<b>3</b>
___ <b>ENGL 1301 English Composition I</b>	<b>3</b>
___ ---- ---- <b>Humanities and Fine Arts</b>	<b>3</b>
	<b>16/17</b>

THIRD SEMESTER	SCH
___ CNBT ---- CNBT Elective *	3/4
___ CNBT ---- CNBT Elective *	3/4
___ POFT 1132 Workplace Diversity	1
___ POFT 2312 Business Correspondence & Communication	3
___ KINE ---- Kinesiology	
___ or	
___ ENTC 1191 Special Topics in Engineering Technology/General	1
___ ---- ---- Elective Outside Major	3/4
	<b>15/18</b>

FOURTH SEMESTER	SCH
___ ---- ---- CNBT Elective *	
___ or	
___ ---- ---- SRVY Elective **	3/4
___ CNBT 1491 Special Topics in Construction/ Building Technology/Tech	
___ or	
___ CNBT 2486 Practicum (or Field Experience)- Construction Engineering Technology/Tech	3/4
___ ---- ---- <b>Natural Science</b>	<b>4</b>
___ <b>SPCH ---- Oral Communication</b>	<b>3</b>
	<b>15</b>
<b>Total Semester Credit Hours for Degree</b>	<b>67/72</b>

\* CNBT Electives: CNBT 1300, 1316, 2317, 2310, 2437, 2442, 2444

\*\* SRVY Elective SRVY 1413 Preferred

## Certificate of Completion in Construction and Building Technology-CBT1

FIRST SEMESTER	SCH
___ KINE ---- Kinesiology	
___ or	
___ ENTC 1191 Special Topics in Engineering Technology/General	1
___ CNBT 1311 Construction Methods & Materials I	3
___ CNBT 1442 Building Codes & Inspections	4
___ POFT 1132 Workplace Diversity	1
___ CNBT ---- CNBT Elective *	3/4
___ DFTG 1405 Technical Drafting	4
	<b>16/17</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>16/17</b>

\* CNBT Electives: CNBT 1300, 1316, 2317, 2310, 2437, 2442, 2444

## Certificate of Completion in Construction Management Technology-CMT1

FIRST SEMESTER	SCH
___ KINE ---- Kinesiology	
___ or	
___ ENTC 1191 Special Topics in Engineering Technology/General	1
___ CNBT 1311 Construction Methods & Materials I	3
___ CNBT 1442 Building Codes & Inspections	4
___ POFT 1132 Workplace Diversity	1
___ CNBT ---- CNBT Elective *	3/4
___ DFTG 1405 Technical Drafting	4
	<b>16/17</b>

SECOND SEMESTER	SCH
___ CNBT ---- CNBT Elective *	3/4
___ CNBT ---- CNBT Elective *	3/4
___ CNBT ---- CNBT Elective *	
___ or	
___ SRVY ---- SRVY Elective **	
___ or	
___ DFTG 1409 Basic Computer Aided Drafting	3/4
___ CNBT 1491 Special Topics in Construction/Building/Tech	
___ or	
___ CNBT 1466 Practicum (or Field Experience)- Construction Engineering Technology/Tech	4
___ TECM 1349 Technical Math Application	3
	<b>16/19</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>32/38</b>

\* CNBT Electives: CNBT 1300, 1316, 2317, 2310, 2437, 2442, 2444

\*\* SRVY Elective SRVY 1413 Preferred

# Cosmetology

## Associate of Applied Science in Cosmetology Instructor-CI2

To earn this degree, students must have a GED or high school diploma and a valid TDLR Cosmetologist License.

FIRST SEMESTER	SCH
___ CSME 1435 Orientation to the Instruction of Cosmetology	4
___ CSME 1434 Cosmetology Instructor I	4
___ <b>ENGL 1301 English Composition I</b>	<b>3</b>
___ <b>ITSC 1309 Integrated Software Applications I</b>	<b>3</b>
___ - - - - - Elective	3
	<b>17</b>

SECOND SEMESTER	SCH
___ CSME 2414 Cosmetology Instructor II	4
___ CSME 2415 Cosmetology Instructor III	4
___ ENGL 1302 English Composition II	3
or	
___ ENGL 2311 Technical Writing	3
___ <b>SPCH 1315 Principles of Public Speaking</b>	<b>3</b>
___ BMGT 1301 Supervision	3
	<b>17</b>

THIRD SEMESTER	SCH
___ CSME 2444 Cosmetology Instructor IV	4
___ BMGT 1307 High Performance Work Teams	3
___ - - - - - <b>Natural Science/Mathematics</b>	<b>4</b>
___ <b>HUMA 1301 Introduction to the Humanities I</b>	<b>3</b>
or	
___ <b>PHIL 1301 Introduction to Philosophy</b>	<b>3</b>
	<b>14</b>

FOURTH SEMESTER	SCH
___● CSME 2445 Instructional Theory and Clinic Operation	4
___ HRPO 1311 Human Relations	3
___ - - - - - <b>Social/Behavioral Science</b>	<b>3</b>
___ - - - - - Elective	3
	<b>13</b>
<b>Total Semester Credit Hours for Degree</b>	<b>61</b>

## Certificate of Completion as Cosmetology Student Instructor-SI1

To earn this certificate, students must have a GED or high school diploma, a valid TDLR Cosmetologist License, and successfully complete courses contained in a block unit taught in three semesters.

FIRST SEMESTER	SCH
___ CSME 1435 Orientation to the Instruction of Cosmetology	4
___ CSME 1434 Cosmetology Instructor I	4
	<b>8</b>

SECOND SEMESTER	SCH
___ CSME 2414 Cosmetology Instructor II	4
___ CSME 2415 Cosmetology Instructor III	4
	<b>8</b>

THIRD SEMESTER	SCH
___● CSME 2444 Cosmetology Instructor IV	4
___ CSME 2445 Instructional Theory and Clinic Operation	4
	<b>8</b>

**Total Semester Credit Hours for Certificate** **24**

## Certificate of Completion in Cosmetology-C01

This certificate program will provide for 1500 hours of instruction scheduled on the basis of 32 hours per week, to be completed within 12 months. This program will provide students with an opportunity to learn the basic manipulative and theoretical skills necessary to become a licensed cosmetologist.

To earn a certificate, students must successfully complete courses contained in a block unit taught in three semesters.

To be eligible for licensing by the Texas Department of Licensing & Regulation, the students must have completed the following courses of study and must show satisfactory completion of the state administered exam.

FIRST SEMESTER	SCH
___ CSME 1505 Fundamentals of Cosmetology	5
___ CSME 1410 Introduction to Haircutting and Related Theory	4
___ CSME 1453 Chemical Reformation and Related Theory	4
___ CSME 1248 Principles of Skin Care	2
	<b>15</b>

SECOND SEMESTER	SCH
___ CSME 2401 The Principles of Hair Coloring and Related Theory	4
___ CSME 1551 Artistry of Hair, Theory and Practice	5
___ CSME 1244 Introduction to Salon Development	2
___ CSME 2344 Preparation for the State Licensing Written Examination	3
	<b>14</b>

THIRD SEMESTER	SCH
___ CSME 2337 Advanced Cosmetology Techniques	3
___● CSME 2245 Preparation for the State Licensing Practical Examination	2
___ CSME 2539 Advanced Hair Design	5
___ CSME 2343 Salon Development	3
	<b>13</b>

**Total Semester Credit Hours for Certificate** **42**

## Certificate of Completion in Nail Design-ND1

To earn a certificate, students must successfully complete 616 clock hours offered in two semesters.

FIRST SEMESTER	SCH
___ CSME 1330 Orientation to Nail Technology	3
___ CSME 1431 Principles of Nail Technology I	4
	<b>7</b>

SECOND SEMESTER	SCH
___● CSME 1441 Principles of Nail Technology II	4
___ CSME 2530 Nail Enhancement	5
	<b>9</b>

**Total Semester Credit Hours for Certificate** **16**

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester.  
 Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.  
 ♦ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Criminal Justice and Corrections

## Associate of Science in Criminal Justice - Field of Study-CJ3

This degree plan is designed for students who plan to major in Criminal Justice and transfer to a four-year college or university. The Field of Study courses will constitute a semester credit hour transfer block to any public Texas four-year college or university with a Criminal Justice major. Transferring students shall not be required to repeat courses transferred as part of the field of study curriculum. However, a receiving institution can require additional lower-division courses that may be necessary for specific degree programs. Students should plan very carefully and work with an advisor.

Students will gain basic knowledge about law enforcement, the courts, corrections, and criminal law.

FIRST SEMESTER	SCH
— ENGL 1301 English Composition I	3
— HIST ---- Social/Behavioral Science: History	3
— ---- ---- Humanities: Visual/Performing Arts	3
— KINE ---- Health, Wellness, Kinesiology	1-3
—♦ CRIJ 1301 Introduction to Criminal Justice	3
— COSC 1301 Microcomputer Applications	3
	<b>16/18</b>
SECOND SEMESTER	SCH
— ENGL 1302 English Composition II	3
— HIST ---- Social/Behavioral Science: History	3
— ---- ---- Social/Behavioral Science: Other	3
— ---- ---- Humanities: Other	3
— CRIJ 1306 Court Systems and Practices	3
	<b>15</b>
THIRD SEMESTER	SCH
— GOVT 2301 American Government I	
or	
— GOVT 2302 American Government II	3
— SPCH 1315 Principles of Public Speaking	
or	
— SPCH 1318 Interpersonal Communication	3
— ---- ---- Natural Science	4
— CRIJ 1310 Fundamentals of Criminal Law	3
— CRIJ 2328 Police Systems and Practices	3
	<b>16</b>
FOURTH SEMESTER	SCH
— GOVT 2301 American Government I	
or	
— GOVT 2302 American Government II	3
— MATH 1414 College Algebra	
or	
— MATH 1332 Contemporary Mathematics I	3-4
— ---- ---- Natural Science	4
— CRIJ 2313 Correctional Systems & Practices	3
— CRIJ ---- Criminal Justice elective	3
	<b>16/17</b>
<b>Total Semester Credit Hours for Degree</b>	<b>63/66</b>

## Associate Of Applied Science in Law Enforcement Tech Prep-LE2

The Law Enforcement Tech Prep degree program provides the core curriculum developed by the Criminal Justice Commission appointed by the Texas Higher Education Coordinating Board. The following degree program has been designed to provide the students with basic skills for employment in law enforcement.

FIRST SEMESTER	SCH
— ENGL ---- Written Communication	3
— PSYC 2301 Introduction to Psychology	3
—♦ CRIJ 1301 Introduction to Criminal Justice	3
—♦ CRIJ 2328 Police Systems and Practices	3
—♦ ITSC 1309 Integrated Software Applications I	
or	
— COSC 1301 Microcomputer Applications	3
	<b>15</b>
SECOND SEMESTER	SCH
— ENGL ---- Written Communication	3
— CRIJ 1306 Court Systems and Practices	3
— ---- ---- Humanities/Fine Arts	3
— SOCI 1301 Introduction to Sociology	3
— ---- ---- Elective	3
	<b>15</b>
THIRD SEMESTER	SCH
— SPCH 1315 Principles of Public Speaking	
or	
— SPCH 1318 Interpersonal Communication	3
— CRIJ 1310 Fundamentals of Criminal Law	3
— CRIJ 2313 Correctional Systems and Practices	3
— ---- ---- Criminal Justice elective *	3
— ---- ---- Elective	3
	<b>15</b>
FOURTH SEMESTER	SCH
— ---- ---- Natural Science	4
— CRIJ 2314 Criminal Investigation	3
—● CRIJ 2323 Legal Aspects of Law Enforcement	3
— ---- ---- Criminal Justice elective *	3
— SOCI 1306 Social Problems	3
	<b>16</b>
<b>Total Semester Credit Hours for Degree</b>	<b>61</b>

\* CJSA 2382 may be chosen to satisfy one of these electives.

## Certificate of Completion in Law Enforcement-LE1

FIRST SEMESTER	SCH
— CRIJ 1301 Introduction to Criminal Justice	3
— CRIJ 1310 Fundamentals of Criminal Law	3
— ENGL ---- Written Communication	3
— ITSC 1309 Integrated Software Applications I	
or	
— COSC 1301 Microcomputer Applications	3
— CRIJ 2313 Correctional Systems and Practices	3
	<b>15</b>
SECOND SEMESTER	SCH
— CRIJ 1306 Court Systems and Practices	3
— CRIJ 2314 Criminal Investigation	3
— ---- ---- Criminal Justice elective *	3
— PSYC 2301 Introduction to Psychology	3
	<b>12</b>
THIRD SEMESTER	SCH
—● CRIJ 2328 Police Systems and Practices	3
— SOCI 1301 Introduction to Sociology	3
— SPCH 1315 Principles of Public Speaking	
or	
— SPCH 1318 Interpersonal Communication	3
— ---- ---- Criminal Justice elective *	3
— SOCI 1306 Social Problems	3
	<b>15</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>42</b>

\* CJSA 2382 may be chosen to satisfy one of these electives.



# Drafting Technology - CADD

## Associate of Applied Science in Computer Aided Drafting & Design Engineering Technology-DT2

The Drafting Technology program provides training experience in computer-aided drafting. The associate of applied science degree prepares students for entrance into the drafting profession confident of having received a strong foundation in drafting disciplines and skills.

Note: Students should review the catalog course descriptions to determine specific course prerequisites. Some drafting electives may have another drafting elective as a prerequisite. Students planning to transfer should see a counselor or a faculty advisor for transferable course substitutions.

FIRST SEMESTER	SCH
__✦ DFTG 1405 Technical Drafting	4
__✦ DFTG 1409 Basic Computer-Aided Drafting	4
__ ---- <b>Computer Literacy</b>	<b>3-4</b>
__ TECM 1349 Technical Math Applications	3
__ POFT 1132 Workplace Diversity	1
	<b>15-16</b>
SECOND SEMESTER	
__ DFTG ---- Elective	4
__ DFTG 2419 Intermediate Computer-Aided Drafting	4
__ ---- <b>Social/Behavioral Science</b>	<b>3</b>
__ <b>ENGL 1301 English Composition I</b>	<b>3</b>
__ ---- <b>Humanities/Fine Arts</b>	<b>3</b>
	<b>17</b>
THIRD SEMESTER	
__ DFTG ---- Elective	4
__ DFTG ---- Elective	4
__ POFT 2312 Business Correspondence & Communication	3
__ ---- Elective outside major *	3-4
	<b>14/15</b>
FOURTH SEMESTER	
__ DFTG ---- Elective	4
__● DFTG 2438 Final Project-Advanced Drafting or	
__● DFTG 2486 Internship-Drafting and Design Technology/ Technician, General	4
__ ---- <b>Natural Science</b>	<b>4</b>
__ ---- <b>Oral Communications</b>	<b>3</b>
	<b>15</b>
<b>Total Semester Credit Hours for Degree</b>	<b>61/63</b>

\* Suggested Electives Outside Major ARCE 1403, 1442, ELPT 1325, MCHN 1452, PFPB 1305, 1408 or PTAC 1410.

\*\* DFTG Electives should be chosen from DFTG 1417, 1433, 1458, 2400, 2408, 2412, 2423, 2427, 2428, 2430, 2431, 2432, 2435, 2440, 2442, 2445, 2467.

Students should plan to take the capstone course in their last semester and should speak to their advisor prior to registering for the final semester.

The following two certificate exit points allow students to seek employment after a concentrated drafting program. (First semester courses may not be substituted in the Computer Aided Drafting & Design.)

## Certificate of Completion in Computer Aided Drafting & Design-TP1

FIRST SEMESTER	SCH
__✦ DFTG 1405 Technical Drafting	4
__✦ DFTG 1409 Basic Computer-Aided Drafting	4
	<b>8</b>
SECOND SEMESTER	
__ DFTG ---- Elective *	4
__● DFTG 2419 Intermediate Computer-Aided Drafting	4
	<b>8</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>16</b>

\* DFTG Electives should be chosen from DFTG 1417, 1433, 1458, 2400, 2408, 2412, 2423, 2427, 2428, 2430, 2431, 2432, 2435, 2440, 2442, 2445, 2467.

## Certificate of Completion in Computer Aided Drafting & Design - Advanced Technology-DS1

Students should review the catalog course descriptions to determine specific course prerequisites. Some drafting electives may have another drafting elective as a prerequisite. Students planning to transfer should see a counselor or a faculty advisor for a transferable course substitution.

FIRST SEMESTER	SCH
__✦ DFTG 1405 Technical Drafting	4
__✦ DFTG 1409 Basic Computer-Aided Drafting	4
	<b>8</b>
SECOND SEMESTER	
__ DFTG ---- Elective *	4
__ DFTG 2419 Intermediate Computer-Aided Drafting	4
	<b>8</b>
THIRD SEMESTER	
__ DFTG ---- Elective *	4
__ DFTG ---- Elective *	4
	<b>8</b>
FOURTH SEMESTER	
__ DFTG ---- Elective *	4
__● DFTG 2486 Internship-Drafting and Design Technology/ Technician, General or	
__● DFTG 2438 Final Project Advanced Drafting	4
	<b>8</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>32</b>

\* DFTG Electives should be chosen from DFTG 1417, 1433, 1458, 2400, 2408, 2412, 2423, 2427, 2428, 2430, 2431, 2432, 2435, 2440, 2442, 2445, 2467.

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.

✦ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Drama

## Associate of Arts in Drama-DR4

Students will gain a basic understanding of all facets of the theatre from acting to set design. Students will gain the skill to compete for entry level positions.

FIRST SEMESTER		SCH
—	---- ---- Humanities: Visual/Performing Arts	<b>3</b>
—	DRAM 1351 Introduction to Acting	3
—	DRAM 1120 Theatre Arts Lab I	1
—	<b>ENGL 1301 English Composition I</b>	<b>3</b>
—	<b>DRAM 2336 Voice and Diction</b>	<b>3</b>
—	---- ---- Natural Science	<b>4</b>
		<b>17</b>
SECOND SEMESTER		
—	DRAM 1330 Elementary Stagecraft	3
—	---- ---- Social/Behavioral Science: Other	<b>3</b>
—	DRAM ---- Elective *	1-3
—	DRAM 1121 Theatre Arts Lab II	1
—	<b>ENGL 1302 English Composition II</b>	<b>3</b>
—	<b>MATH ---- Mathematics**</b>	<b>3</b>
		<b>14/16</b>
THIRD SEMESTER		
—	<b>HIST ---- Social/Behavioral Science: History</b>	<b>3</b>
—	DRAM ---- Elective *	3
—	DRAM 2120 Theatre Arts Lab III	1
—	---- ---- Humanities: Other	<b>3</b>
—	<b>GOVT 2301 American Government I</b>	<b>3</b>
—	<b>COSC 1301 Microcomputer Applications</b>	<b>3</b>
—	<b>KINE ---- Health, Wellness, Kinesiology</b>	<b>1</b>
		<b>17</b>
FOURTH SEMESTER		
—	<b>HIST ---- Social/Behavioral Science: History</b>	<b>3</b>
—	DRAM ---- Elective *	1-3
—	DRAM ---- Elective *	1-3
—	<b>GOVT 2302 American Government II</b>	<b>3</b>
—	---- ---- Natural Science	<b>4</b>
		<b>12/16</b>
<b>Total Semester Credit Hours for Degree</b>		<b>60/66</b>

\* Drama electives to be chosen from DRAM 1341, 1352, 2121, 2189, 2331, 2361, 2362, 2366

\*\* Math to be chosen from MATH 1316, 1324, 1332

## Associate of Arts in Drama - Technical Theatre-TT4

FIRST SEMESTER		SCH
—	---- ---- Humanities: Visual/Performing Arts	<b>3</b>
—	DRAM 1330 Elementary Stagecraft	3
—	DRAM 1120 Theatre Arts Lab I	1
—	<b>ENGL 1301 English Composition I</b>	<b>3</b>
—	<b>DRAM 2336 Voice and Diction</b>	<b>3</b>
—	---- ---- Natural Science	<b>4</b>
		<b>17</b>
SECOND SEMESTER		
—	DRAM 1341 Theatrical Makeup	3
—	---- ---- Social/Behavioral Science: Other	<b>3</b>
—	DRAM 2331 Advanced Stagecraft	3
—	DRAM 1121 Theatre Arts Lab II	1
—	<b>ENGL 1302 English Composition II</b>	<b>3</b>
—	<b>MATH ---- Mathematics**</b>	<b>3</b>
		<b>16</b>
THIRD SEMESTER		
—	<b>HIST ---- Social/Behavioral Science: History</b>	<b>3</b>
—	DRAM 1342 Introduction to Costume	3
—	DRAM 2120 Theatre Arts Lab III	1
—	---- ---- Humanities: Other	<b>3</b>
—	<b>GOVT 2301 American Government I</b>	<b>3</b>
—	<b>COSC 1301 Microcomputer Applications</b>	<b>3</b>
—	<b>KINE ---- Health, Wellness, Kinesiology</b>	<b>1</b>
		<b>17</b>
FOURTH SEMESTER		
—	<b>HIST ---- Social/Behavioral Science: History</b>	<b>3</b>
—	DRAM 2362 History of Theatre II	3
—	DRAM ---- Elective *	1-3
—	<b>GOVT 2302 American Government II</b>	<b>3</b>
—	---- ---- Natural Science	<b>4</b>
		<b>14/16</b>
<b>Total Semester Credit Hours for Degree</b>		<b>64/66</b>

\* Drama electives to be chosen from DRAM 1341, 1352, 2121, 2189, 2331, 2361, 2362, 2366

\*\* Math to be chosen from MATH 1316, 1324, 1332

# Education

## Associate of Arts in Teaching: Early Childhood to 6th Grade (Early Childhood Specialization Only)–ED15

Students will gain a basic understanding of the general role of education within the context of community, families, and child development, as well as the role of agencies. Upon completion, students will have enough hours to seek jobs as daycare workers, substitute teachers or paraprofessionals.

FIRST SEMESTER	SCH
— ENGL 1301 English Composition I	3
— HIST 1301 History of the United States to 1877	
or	
— HIST 1302 History of the United States Since 1877	3
— ---- Natural Science	4
— MATH 1414 College Algebra	4
— TECA 1311 Educating Young Children	3
	17

SECOND SEMESTER	SCH
— ENGL 1302 English Composition II	3
— HIST 2301 History of Texas	3
— ---- Humanities: Visual & Performing Arts	3
— ---- Natural Science	4
— MATH 1350 Fundamentals of Mathematics I	3
	16

THIRD SEMESTER	SCH
— GOVT 2301 American Government I	
or	
— GOVT 2302 American Government II	3
— ---- Social/Behavioral Science: Other	3
— SPCH 1315 Principles of Public Speaking	
or	
— SPCH 1321 Business and Professional Communications	3
— KINE ---- Health, Wellness, Kinesiology	1
— MATH 1351 Fundamentals of Mathematics II	3
— TECA 1318 Wellness of the Young Child	3
	16

FOURTH SEMESTER	SCH
— GOVT 2301 American Government I	
or	
— GOVT 2302 American Government II	3
— ---- Humanities: Other	3
— COSC 1301 Microcomputer Applications	3
— TECA 1303 Family, School, and Community	3
— TECA 1354 Child Growth and Development	3
	15
<b>Total Semester Credit Hours for Degree</b>	<b>64</b>

## Associate of Arts in Teaching: Early Childhood to 6th Grade (Except Early Childhood Specialization) Special Education, ESL and Bilingual Generalist–ED25

Along with understanding the general role of education, students will focus on math and science for primary learners. Upon completion, students will have enough hours to seek jobs as substitute teachers or paraprofessionals.

FIRST SEMESTER	SCH
— ENGL 1301 English Composition I	3
— HIST 1301 History of the United States to 1877	
or	
— HIST 1302 History of the United States Since 1877	3
— ---- Natural Science	4
— MATH 1414 College Algebra	4
— EDUC 1301 Introduction to the Teaching Profession	3
	17

SECOND SEMESTER	SCH
— ENGL 1302 English Composition II *	3
— HIST 2301 History of Texas	3
— ---- Humanities: Visual & Performing Arts	3
— ---- Natural Science	4
— MATH 1350 Fundamentals of Mathematics I	3
	16

THIRD SEMESTER	SCH
— GOVT 2301 American Government I	
or	
— GOVT 2302 American Government II	3
— ---- Social/Behavioral Science: Other #	3
— SPCH 1315 Principles of Public Speaking	
or	
— SPCH 1321 Business and Professional Communications	3
— KINE ---- Health, Wellness, Kinesiology	1
— MATH 1351 Fundamentals of Mathematics II	3
— --- Natural Science ##	4
	17

FOURTH SEMESTER	SCH
— GOVT 2301 American Government I	
or	
— GOVT 2302 American Government II	3
— ---- Humanities: Other	3
— COSC 1301 Microcomputer Applications	3
— --- Natural Science ##	4
— EDUC 2301 Introduction to Special Populations	3
	16
<b>Total Semester Credit Hours for Degree</b>	<b>66</b>

\* Check with transfer institution since ENGL 2311, Technical Writing may be required.

# GEOG 1303 recommended

## Biological (BIOL) and Physical Science courses (CHEM, ENVR, GEOL, PHYS) are required. PHYS 1415 is recommended.

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.

◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



## Associate of Arts in Teaching: Grades 4 to 8 Generalist-ED35

Along with understanding the general role of education, students will focus on math skills of the late primary and intermediate learners. Upon completion, students will have enough hours to seek jobs as substitute teachers or paraprofessionals.

FIRST SEMESTER		SCH
— ENGL 1301	English Composition I	3
— HIST 1301	History of the United States to 1877	
	or	
— HIST 1302	History of the United States Since 1877	3
— ----	Natural Science	4
— MATH 1414	College Algebra	4
— EDUC 1301	Introduction to the Teaching Profession	3
		<b>17</b>
SECOND SEMESTER		
— ENGL 1302	English Composition II *	3
— HIST 2301	History of Texas	3
— ----	Humanities: Visual & Performing Arts	3
— ----	Natural Science	4
— MATH 1350	Fundamentals of Mathematics I	3
		<b>16</b>
THIRD SEMESTER		
— GOVT 2301	American Government I	
	or	
— GOVT 2302	American Government II	3
— ----	Social/Behavioral Science: Other #	3
— SPCH 1315	Principles of Public Speaking	
	or	
— SPCH 1321	Business and Professional Communications	3
— KINE ----	Health, Wellness, Kinesiology	1
— MATH 1351	Fundamentals of Mathematics II	3
— ----	Natural Science ##	4
		<b>17</b>
FOURTH SEMESTER		
— GOVT 2301	American Government I	
	or	
— GOVT 2302	American Government II	3
— ----	Humanities: Other	3
— COSC 1301	Microcomputer Applications	3
— ----	Natural Science ##	4
— EDUC 2301	Introduction to Special Populations	3
		<b>16</b>
<b>Total Semester Credit Hours for Degree</b>		<b>66</b>

\* Check with transfer institution since ENGL 2311, Technical Writing may be required.

# GEOG 1303 recommended

## Check with transfer institution for specific requirements

## Associate of Arts in Teaching: Grades 8 to 12-ED45

Along with understanding the general role of education, students will focus on an area of specialization applied to early childhood through grade 12 or grades 8 through 12. Upon completion, students will have enough hours to seek jobs as substitute teachers or paraprofessionals.

See a counselor for specific courses.

### Grades 8-12 Certification Areas

- History
- Physical Science
- Speech
- Technology Applications
- Life Science
- Mathematics
- Mathematics & Physics
- Mathematics & Physical Science & Engineering
- Science

### EC-Grade 12 Certification Areas

- Art
- Music
- Physical Education
- Theatre
- Technical Applications

FIRST SEMESTER		SCH
— ENGL 1301	English Composition I	3
— HIST ----	Social/Behavioral Science: History	3
— ----	Natural Science	4
— COSC 1301	Microcomputer Applications	3
— ----	Specialization *	3-4
		<b>16/17</b>
SECOND SEMESTER		
— ENGL 1302	English Composition II	3
— HIST ----	Social/Behavioral Science: History	3
— MATH 1414	College Algebra	4
— ----	Natural Science	4
— ----	Specialization *	3-4
		<b>17/18</b>
THIRD SEMESTER		
— GOVT 2301	American Government I	
	or	
— GOVT 2302	American Government II	3
— ----	Humanities: Visual & Performing Arts	3
— SPCH 1315	Principles of Public Speaking	
	or	
— SPCH 1321	Business and Professional Communications	3
— ----	Specialization *	3-4
— EDUC 1301	Introduction to the Teaching Profession	3
		<b>15/16</b>
FOURTH SEMESTER		
— GOVT 2301	American Government I	
	or	
— GOVT 2302	American Government II	3
— ----	Humanities: Other	3
— ----	Social/Behavioral Science: Other	3
— KINE ----	Health, Wellness, and Kinesiology	1
— ----	Specialization **	3-0
— EDUC 2301	Introduction to Special Populations	3
		<b>16/13</b>
<b>Total Semester Credit Hours for Degree</b>		<b>64</b>

\* Choose from above certification areas and complete only 12 SCHs to satisfy specialization, i.e., those taking 4 SCH courses will only need to take three courses.

\*\* If 12 SCHs have already been taken in the specialization, an additional course is not required.

# Electrical Technology

## Associate of Applied Science in Electrical Technology-IE2

FIRST SEMESTER			SCH
—	ELPT 1325	National Electrical Code I	3
—	ELPT 1419	Fundamentals of Electricity I	4
—	TECM 1341	Technical Algebra	3
—	<b>ITSC 1309</b>	<b>Integrated Software Applications I</b>	<b>3</b>
—	----	<b>Natural Science</b>	<b>4</b>
			<b>17</b>
SECOND SEMESTER			
—	ELPT 1420	Fundamentals of Electricity II	4
—	ELPT 1455	Electronic Applications	4
—	TECM 1349	Technical Math Applications	3
—	<b>ENGL ----</b>	<b>Written Communication</b>	<b>3</b>
—	----	<b>Humanities/Fine Arts</b>	<b>3</b>
			<b>17</b>
THIRD SEMESTER			
—	ELPT 2405	Motors and Transformers	4
—	ELPT 2319	Programmable Logic Controllers I	3
—	<b>SPCH 1315</b>	<b>Principles of Public Speaking</b>	<b>3</b>
—	ENGL ----	Written Communication	3
—	ELPT 1445	Commercial Wiring	4
			<b>17</b>
FOURTH SEMESTER			
—	● ELPT 1441	Motor Control	4
—	ELPT ----	Elective *	3
—	----	<b>Social/Behavioral Science</b>	<b>3</b>
—	----	Elective	3
			<b>13</b>
<b>Total Semester Credit Hours for Degree</b>			<b>64</b>

\* *Electrical Studies elective may be chosen from ELPT 1321, 2301, 2325, 2331, 2355, 2380, or others as approved by lead instructor.*

## Certificate of Completion in Electrical Technology-IE1

FIRST SEMESTER			SCH
—	ELPT 1325	National Electrical Code I	3
—	ELPT 1419	Fundamentals of Electricity I	4
—	ELPT ----	Elective *	3
			<b>10</b>
SECOND SEMESTER			
—	ELPT 1420	Fundamentals of Electricity II	4
—	ELPT 1455	Electronic Applications	4
—	ELPT 2405	Motors and Transformers	4
			<b>12</b>
THIRD SEMESTER			
—	ELPT 2319	Programmable Logic Controllers I	3
—	ELPT 1445	Commercial Wiring	4
—	● ELPT 1441	Motor Control	4
			<b>11</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>33</b>

\* *Electrical Studies elective may be chosen from ELPT 2301, 1321, 2325, 2331, 2355, or others as approved by lead instructor.*

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester.  
 Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.

◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



# English

## Associate Of Arts In English-EN4

Students will expand their knowledge of composition, research, genres, and literary criticism. Through their writing, students will show their understanding of literary principles and how literature reflects society.

FIRST SEMESTER				SCH
—	<b>ENGL 1301</b>	<b>English Composition I</b>		<b>3</b>
—	SPAN 1411	Beginning Spanish		4
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>		<b>3</b>
—	<b>MATH 1414</b>	<b>College Algebra</b>		
		<i>or</i>		
—	<b>MATH 1332</b>	<b>Contemporary Mathematics I</b>		<b>3-4</b>
—	<b>KINE ----</b>	<b>Health, Wellness, Kinesiology</b>		<b>1</b>
				<b>14/15</b>
SECOND SEMESTER				
—	<b>ENGL 1302</b>	<b>English Composition II</b>		<b>3</b>
—	SPAN 1412	Intermediate Spanish		4
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>		<b>3</b>
—	<b>SPCH 1315</b>	<b>Principles of Public Speaking</b>		<b>3</b>
—	<b>---- ----</b>	<b>Computer Literacy</b>		<b>3-4</b>
				<b>16/17</b>
THIRD SEMESTER				
—	<b>GOVT 2301</b>	<b>American Government I</b>		<b>3</b>
—	ENGL ----	Sophomore Literature		3
—	<b>---- ----</b>	<b>Social/Behavioral Science: Other</b>		<b>3</b>
—	<b>---- ----</b>	<b>Natural Science</b>		<b>4</b>
—	<b>---- ----</b>	<b>Humanities: Visual/Performing Arts</b>		<b>3</b>
				<b>16</b>
FOURTH SEMESTER				
—	<b>GOVT 2302</b>	<b>American Government II</b>		<b>3</b>
—	<b>---- ----</b>	<b>Humanities: Other</b>		<b>3</b>
—	<b>---- ----</b>	<b>Natural Science</b>		<b>4</b>
—	ENGL ----	Sophomore Literature		3
—	<b>---- ----</b>	Elective		3
				<b>16</b>
	<b>Total Semester Credit Hours for Degree</b>			<b>62/64</b>

# Game Design

## Associate of Applied Science in Game Development Specialist-GADS2

This program is designed to provide a well-rounded, fundamental and application-oriented education focused on the knowledge of existing and new developments in Digital Game Technology. The student will acquire knowledge of the basic digital gaming and simulation industries and markets, and the programming, graphic arts, storytelling, and audio recording skills required to create the games. Students will be required to develop necessary teamwork skills to fulfill the capstone requirement. With additional training and experience, individuals increase their potential for advancement. The skills built within this program can lead not only to jobs in the digital gaming industry, but after work experience in the game industry and completion of a 4-year degree in computer science, multimedia animation, or art the student could be qualified for other crossover careers including such career opportunities as: Computer Programmer; Computer Systems Analyst; Software Engineer; Multimedia Artist and Animator; and Graphic Artist.

FIRST SEMESTER	SCH
— <b>COSC 1301</b> <b>Microcomputer Applications</b>	<b>3</b>
— GAME 1306 Design and Creation of Games	3
— GAME 1302 Storyboarding	3
— ARTC 1453 Computer Illustration I	4
— COSC 1436 Programming Fundamentals I	4
	<b>17</b>

SECOND SEMESTER	SCH
— GAME 1212 Game Theory	2
— GAME 1301 Computer Ethics	3
— ARTC 2440 Computer Illustration II	4
— IMED 1445 Interactive Multimedia I	4
— COSC 1437 Programming Fundamentals II	4
	<b>17</b>

THIRD SEMESTER	SCH
— GAME 1304 Level Design	3
— GAME 2332 Project Development I	3
— GAME 2338 Game Testing	3
— <b>ENGL 1301</b> <b>English Composition I</b>	<b>3</b>
— ---- <b>Oral Communications</b>	<b>3</b>
— ---- Elective **	3
	<b>18</b>

FOURTH SEMESTER	SCH
— ---- <b>Natural Science/Mathematics</b>	<b>4</b>
— ---- <b>Social/Behavioral Science</b>	<b>3</b>
— ---- <b>Humanities/Fine Arts</b>	<b>3</b>
— COMM 2325 Electronic Music I	3
— GAME 2459 Game and Simulation Group Project	4
	<b>17</b>
<b>Total Semester Credit Hours for Degree</b>	<b>69</b>

\*\* Elective to be chosen from COMM 2324, ENGL 1302, ENGL 2307, future DRAM storyboarding, or other courses appropriate to degree.

## Certificate of Completion in Game Designer-GAD1

FIRST SEMESTER	SCH
— COSC 1301 Microcomputer Applications	3
— GAME 1306 Design and Creation of Games	3
— GAME 1302 Storyboarding	3
— ARTC 1453 Computer Illustration I	4
— COSC 1436 Programming Fundamentals I	4
	<b>17</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>17</b>

## Certificate of Completion in Game Specialist-GAS1

FIRST SEMESTER	SCH
— COSC 1301 Microcomputer Applications	3
— GAME 1306 Design and Creation of Games	3
— GAME 1302 Storyboarding	3
— ARTC 1453 Computer Illustration I	4
— COSC 1436 Programming Fundamentals I	4
	<b>17</b>

SECOND SEMESTER	SCH
— GAME 1212 Game Theory	2
— GAME 1301 Computer Ethics	3
— ARTC 2440 Computer Illustration II	4
— IMED 1445 Interactive Multimedia I	4
— COSC 1437 Programming Fundamentals II	4
	<b>17</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>34</b>

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.

◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



# GIS

## Associate of Applied Science in Geographic Information Systems–GIS2

Geographic Information Systems is a rapidly expanding technology integral to nearly every industry, business and government service. GIS is used to map, manage, manipulate, maintain and model data. GIS is used by cities to keep track of roads, parcels and utilities, farmers to precisely determine and control treatment coverage on their fields, emergency personnel to help respond more quickly and effectively to events, by people in the health care industry, mining, forestry, real estate, Web, government, engineering, natural resources, transportation and utilities industries to solve their need to manage location based information.

In 2003, President Bush introduced the High Growth Job Training Initiative, a collaborative effort to help team people with the jobs that are needed. The initiative is a strategic effort to prepare workers to take advantage of new and increasing job opportunities in high-growth, high-demand, and economically vital sectors of the American economy. The High Growth Job Training Initiative identified the geospatial industry as one of 14 that is projected to have far reaching impact on the U.S. economy. Due in part to the fact that geospatial technology uses are so widespread and diverse, the geospatial market is growing at an annual rate of almost 35%, with the commercial subsection expanding at a rate of 100% per year. This extraordinary growth is due to many factors, including the sector's emerging importance and application in national economic and homeland security interests. The future of the industry is boundless, as more and more organizations discover the powerful benefits that can be realized through the use of this high-tech, cutting-edge technology

FIRST SEMESTER		SCH
—	<b>COSC 1301 Microcomputer Applications</b>	<b>3</b>
—	GISC 1311 Introduction to Geographic Information System	3
—	<b>ENGL 1301 English Composition I</b>	<b>3</b>
—	---- ---- <b>Natural Science</b>	<b>4</b>
—	GISC 1301 Cartography and Geography in GIS and GPS	3
		<b>16</b>

SECOND SEMESTER		SCH
—	ITSW 2337 Advanced Database	3
—	GISC 1321 Introduction to Raster-Based GIS	3
—	COSC 1436 Programming Fundamentals I	4
—	GISC 1391 Special Topics in Cartography	3
—	---- ---- <b>Humanities/Fine Arts</b>	<b>3</b>
		<b>16</b>

THIRD SEMESTER		SCH
—	MATH 1414 College Algebra	4
—	<b>SPCH 1315 Principles of Public Speaking</b>	<b>3</b>
—	GISC 2303 Fundamentals of Logistics with GIS	3
—	<b>SOCI 2319 Multi-Cultural Studies</b>	<b>3</b>
—	ENGL 2311 Technical Writing	3
		<b>16</b>

FOURTH SEMESTER		SCH
—	GISC 2402 GIS Design with Raster Analysis	4
—	MATH 2442 Elementary Statistics	4
—	GISC 2440 Logistics Data Acquisition and Analysis	4
—	GISC 2301 Data Acquisition and Analysis in GIS	3
—	GISC 2359 Web-Served GIS	
	or	
—	GISC 2380 Cooperative Education - Cartography	3
		<b>18</b>
	<b>Total Semester Credit Hours for Degree</b>	<b>66</b>

## Certificate in Completion in Geographic Information Systems Technician–GIST1

FIRST SEMESTER		SCH
—	GISC 1311 Introduction to Geographic Information System	3
—	GISC 1301 Cartography and Geography in GIS and GPS	3
		<b>6</b>

SECOND SEMESTER		SCH
—	GISC 1321 Introduction to Raster-Based GIS	3
—	GISC 2301 Data Acquisition and Analysis in GIS	3
—	GISC 1391 Special Topics in Cartography	3
		<b>9</b>

**Total Semester Credit Hours for Certificate 15**

## Certificate of Completion in GIS/GPS Analyst–GIS1

FIRST SEMESTER		SCH
—	GISC 1311 Introduction to Geographic Information System	3
—	GISC 1301 Cartography and Geography in GIS and GPS	3
—	GISC 2303 Fundamentals of Logistics with GIS	3
		<b>9</b>

SECOND SEMESTER		SCH
—	GISC 1321 Introduction to Raster-Based GIS	3
—	GISC 2301 Data Acquisition and Analysis in GIS	3
—	GISC 1391 Special Topics in Cartography	3
—	GISC 2402 GIS Design with Raster Analysis	4
—	GISC 2440 Logistics Data Acquisition and Analysis	4
		<b>17</b>

**Total Semester Credit Hours for Certificate 26**



# Health Information Technology

## Associate of Applied Science in Health Information Technology Tech Prep-MR2

This tech prep degree program is a professional program which is designed to lead to an associate of applied science degree.

Prerequisites for the program include a minimum of 12th grade reading level as determined by Lee College placement testing. A full-time student can complete the program in two years.

This program is accredited by The Commission on Accreditation of Health Informatics and Information Management (CAHIIM). Students are eligible to apply to take the national examination to become a Registered Health Information Technician (RHIT).

In the academic study program, students study anatomy and physiology, medical terminology, basic disease processes, medical transcription and word processing, record storage and retrieval, medicolegal aspects, quality improvement, data processing, health record science, hospital statistics, and human resource management.

This program offers preparation for a technical area of service in hospitals, clinics, and related health facilities. Students are trained in assembling, analyzing, coding, abstracting, transcribing, filing, and maintaining health records. Part of the learning experience will include working in the health information management department of a hospital or other health care facility. Mastery of the national examination furthers job opportunities and increases salary.

FIRST SEMESTER		SCH
—	HITT 1305 Medical Terminology I	3
—	<b>ITSC 1309 Integrated Software Applications I</b>	<b>3</b>
		<b>6</b>
SECOND SEMESTER		
—	<b>ENGL 1301 English Composition I</b>	<b>3</b>
—	<b>BIOL 2401 Human Anatomy and Physiology I</b>	<b>4</b>
—	HITT 1349 Pharmacology	3
—	HITT 1301 Health Data Content and Structure	3
—	HITT 1345 Health Care Delivery Systems	3
		<b>16</b>
THIRD SEMESTER		
—	BIOL 2402 Human Anatomy and Physiology II	4
—	MRMT 1307 Medical Transcription I	3
—	HITT 1341 Coding and Classification Systems	3
—	BIOL 2305 Pathophysiology	3
—	<b>PSYC 2301 Introduction to Psychology</b>	<b>3</b>
		<b>16</b>
FOURTH SEMESTER		
—	HITT 2160 Clinical - Health Information/Medical Records Technology/Technician	1
—	<b>SPCH ---- Oral Communications</b>	<b>3</b>
		<b>4</b>

FIFTH SEMESTER		
—	HITT 1355 Health Care Statistics	3
—	MRMT 2433 Medical Transcription II	4
—	HITT 2260 Clinical - Health Information/Medical Records Technology/Technician	2
—	HITT 1353 Legal & Ethical Aspects of Health Inform.	3
—	HITT 2335 Coding and Reimbursement Methodologies	3
		<b>15</b>

SIXTH SEMESTER		
—	HITT 2339 Health Information Organization & Superv.	3
—	HITT 2343 Quality Assessment and Performance Improv.	3
—	<b>HITT 2261 Clinical - Health Information/Medical Records Technology/Technician</b>	<b>2</b>
—	ENGL 1302 English Composition II	3
—	<b>---- ---- Humanities/Fine Arts</b>	<b>3</b>
		<b>14</b>

**Total Semester Credit Hours for Degree 71**

## Certificate of Completion in Medical Transcription-MR1

The Medical Transcription Certificate will qualify students to work as a medical transcriptionist.

Prerequisites for the certificate program include a minimum typing speed of 40 wpm and a minimum 12th grade reading level as determined by Lee College placement testing. The certificate can be completed in one year by attending full-time.

The Lee College certificate program provides approved curriculum in medical terminology, medical sciences, composition and computer skills. A transcription practicum provides for a capstone experience. A voluntary certification examination is administered by the Association for Healthcare Documentation Integrity (AHDI), formerly known as the American Association for Medical Transcription (AAMT).

Job opportunities are available in hospitals, clinics, physicians' offices, and a variety of healthcare facilities, transcription services, as well as self-employment.

FIRST SEMESTER		SCH
—	HITT 1305 Medical Terminology I	3
—	BIOL 2404 The Human Body	4
—	HITT 1349 Pharmacology	3
—	ITSC 1309 Integrated Software Applications I	3
		<b>13</b>

SECOND SEMESTER		
—	MRMT 1307 Medical Transcription I	3
—	ENGL 1301 English Composition I	3
—	POFT 1301 Business English	3
—	POFI 2301 Word Processing	3
		<b>12</b>

THIRD SEMESTER		
—	MRMT 2433 Medical Transcription II	4
—	<b>MRMT 1167 Practicum (or Field Experience) - Medical Transcription/Transcriptionist</b>	<b>1</b>
—	HITT 1353 Legal and Ethical Aspects of Health Information	3
—	POFT 2312 Business Correspondence & Communication	3
		<b>11</b>

**Total Semester Credit Hours for Certificate 36**

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester.  
 Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.  
 ♦ Students completing a high school Tech Prep program may receive credit for indicated courses.



## Certificate of Completion in Coding–CD1

The Certificate of Completion in Coding will qualify students to work as a medical coder.

Prerequisites for the certificate program include a minimum 12th grade reading level as determined by Lee College placement testing. The Lee College certificate curriculum covers coding conventions and principles that allow the learner to sequence codes according to established guidelines and standards, and demonstrate knowledge in reimbursement methodologies. Part of the learning experience includes a clinical. A voluntary certification examination is administered by the American Health Information Management Association (AHIMA).

FIRST SEMESTER			SCH
—	HITT 1305	Medical Terminology I	3
—	ITSC 1309	Integrated Software Applications I	3
—	BIOL 2401	Human Anatomy and Physiology I	4
—	HITT 1301	Health Data Content and Structure	3
			<b>13</b>
SECOND SEMESTER			
—	BIOL 2402	Human Anatomy and Physiology II	4
—	HITT 1341	Coding and Classification Systems	3
—	BIOL 2305	Pathophysiology	3
—	HITT 1349	Pharmacology	3
			<b>13</b>
THIRD SEMESTER			
—	HITT 2335	Coding and Reimbursement Methodologies	3
—	HITT 1353	Legal & Ethical Aspects of Health Information	3
—●	HITT 2161	Clinical - Health Information/Medical Records Technology/Technician	1
			<b>7</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>33</b>

## Certificate of Completion in Cancer Data Management–CDM1

The certificate program in Cancer Data Management is designed to prepare the student for a career working in hospital-based cancer registries or population-based central registries (healthcare facilities, data organizations, and free standing cancer registries).

Students will acquire the technical knowledge and skills necessary to maintain a cancer data collection system that will be consistent with medical, administrative, legal, ethical, and accreditation requirements of the healthcare delivery system. Cancer Registry professionals are required to collect, analyze, and disseminate cancer data. Completion of the certificate will signal prospective employers of one's level of knowledge, professionalism and training.

Students will be eligible to take the national examination given by the National Cancer Registry Association (NCRA) with a minimum of an associate's degree in a healthcare related field and completion of the certificate requirements. After successful completion of the national examination, the professional credential of Certified Tumor Registrar (CTR) is awarded. Students completing this program are TSI responsible.

FIRST SEMESTER			SCH
—	HITT 1305	Medical Terminology I	3
—	ITSC 1309	Integrated Software Applications I	3
—	HITT 1301	Health Data content and Structure	3
—	BIOL 2401	Human anatomy and Physiology I	4
—	ENGL 2311	Technical Writing	3
			<b>16</b>
SECOND SEMESTER			
—	HITT 1355	Health Care Statistics	3
—	HITT 1372	Cancer Data Management I	3
—	HITT 1349	Pharmacology	3
—	BIOL 2402	Human Anatomy and Physiology II	4
—	HITT 2339	Health Information Organization and Supervision	3
			<b>16</b>
THIRD SEMESTER			
—	HITT 2343	Quality Assessment and Performance Improvement	3
—	BIOL 2305	Pathophysiology	3
—	HITT 1373	Cancer Data Management II	3
—	HITT 1353	Legal and Ethical Aspects of Health Information	3
—	HITT 1261	Clinical-Health Information/Medical Records Technology/Technician	2
			<b>14</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>46</b>

# Humanities

## Associate of Arts in Humanities–HU4

Through an interdisciplinary approach, students will gain a broad understanding of humankind's cultural legacy.

FIRST SEMESTER		SCH
—	<b>ENGL 1301 English Composition I</b>	<b>3</b>
—	<u>----</u> <u>----</u> <b>Natural Science</b>	<b>4</b>
—	<b>HIST</b> <u>----</u> <b>Social/Behavioral Science: History</b>	<b>3</b>
—	<b>MATH 1414 College Algebra</b>	
	or	
—	<b>MATH 1332 Contemporary Mathematics I</b>	<b>3-4</b>
—	<u>----</u> <u>----</u> <b>Computer Literacy</b>	<b>3-4</b>
		<b>16/18</b>
SECOND SEMESTER		
—	<b>ENGL 1302 English Composition II</b>	<b>3</b>
—	<u>----</u> <u>----</u> <b>Natural Science</b>	<b>4</b>
—	<b>HIST</b> <u>----</u> <b>Social/Behavioral Science: History</b>	<b>3</b>
—	<u>----</u> <u>----</u> <b>Communication: Other</b>	<b>3</b>
—	<u>----</u> <u>----</u> Humanities/Social Science elective	<b>3</b>
		<b>16</b>
THIRD SEMESTER		
—	<b>GOVT 2301 American Government I</b>	<b>3</b>
—	<u>ENGL</u> <u>----</u> Sophomore Literature	<b>3</b>
—	<u>----</u> <u>----</u> <b>Social/Behavioral Science: Other</b>	<b>3</b>
—	<u>----</u> <u>----</u> Social/Behavioral Science elective	<b>3</b>
—	<u>----</u> <u>----</u> <b>Humanities: Visual/Performing Arts</b>	<b>3</b>
—	<b>KINE</b> <u>----</u> <b>Health, Wellness, Kinesiology</b>	<b>1</b>
		<b>16</b>
FOURTH SEMESTER		
—	<b>GOVT 2302 American Government II</b>	<b>3</b>
—	<u>----</u> <u>----</u> <b>Humanities: Other</b>	<b>3</b>
—	<u>----</u> <u>----</u> Humanities elective	<b>3</b>
—	<u>----</u> <u>----</u> Elective	<b>3</b>
—	<u>ENGL</u> <u>----</u> Sophomore Literature	<b>3</b>
		<b>15</b>
<b>Total Semester Credit Hours for Degree</b>		<b>63/65</b>

\* *HUMA Electives to be chosen from HUMA 1305, 1311, 1315, 2319, 2323, or others as approved by lead instructor.*

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.

◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Instrumentation Technology

## Associate of Applied Science in Instrumentation Technology-IR2

FIRST SEMESTER		SCH
__	INTC 1312 Introduction to Instrumentation and Safety Technology	3
__	INTC 1456 Instrumentation Calibration	4
__	TECM 1341 Technical Algebra	3
__	<b>ITSC 1309 Integrated Software Applications I</b>	<b>3</b>
__	CPMT 1407 Electronic and Computer Skills	4
		<b>17</b>
SECOND SEMESTER		
__	INTC 1441 Principles of Automatic Control	4
__	CPMT 1411 Introduction to Computer Maintenance	4
__	TECM 1349 Technical Math Applications	3
__	<b>ENGL - - - - Written Communication</b>	<b>3</b>
__	<b>- - - - - Humanities/Fine Arts</b>	<b>3</b>
		<b>17</b>
THIRD SEMESTER		
__	INTC 1343 Application of Industrial Automatic Control	3
__	- - - - - Elective*	3/4
__	<b>SPCH - - - - Oral Communications</b>	<b>3</b>
__	BUSI 1304 Business Report Writing & Correspondence	3
__	- - - - - Elective*	3/4
		<b>15/17</b>
FOURTH SEMESTER		
__	INTC 2436 Distributed Control and Programmable Logic	4
__	- - - - - <b>Natural Science/Mathematics</b>	<b>4</b>
__	- - - - - <b>Social/Behavioral Science</b>	<b>3</b>
__●	INTC 2450 Fieldbus Process Control Systems	4
		<b>15</b>
<b>Total Semester Credit Hours for Degree</b>		<b>64/66</b>

\* Electives to be chosen from INTC 1425, 2405, ELPT 2380, or others as approved by lead instructor.

## Certificate of Completion in Instrumentation Technology-IR1

FIRST SEMESTER		SCH
__	INTC 1312 Introduction to Instrumentation Technology	3
__	INTC 1456 Instrumentation Calibration	4
__	CPMT 1407 Electronic and Computer Skills	4
__	TECM 1341 Technical Algebra	3
		<b>14</b>
SECOND SEMESTER		
__	CPMT 1411 Introduction to Computer Maintenance	4
__	INTC 1441 Principles of Automatic Control	4
__	INTC 1343 Application of Industrial Automatic Control	3
__	TECM 1349 Technical Math Applications	3
		<b>14</b>
THIRD SEMESTER		
__	INTC 2436 Distributed Control and Programmable Logic	4
__●	INTC 2450 Fieldbus Process Control Systems	4
		<b>8</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>36</b>

## Certificate of Completion in Instrument Installation-IF1

FIRST SEMESTER		SCH
__	INTC 1305 Introduction to Electronic Instrumentation	3
__	INTC 1425 Instrument Hardware Installation I	4
		<b>7</b>
SECOND SEMESTER		
__●	INTC 2405 Instrument Hardware Installation II	4
__	CETT 1409 DC-AC Circuits	4
		<b>8</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>15</b>

## Certificate of Completion in Analytical Instrumentation-ATI1

FIRST SEMESTER		SCH
__	INTC 1312 Introduction to Instrumentation and Safety Technology	3
__	INTC 1448 Analytical Instrumentation	4
__	SCIT 1414 Applied General Chemistry I	4
		<b>11</b>
SECOND SEMESTER		
__●	INTC 2445 Advanced Analyzers	4
__	OSHT 1316 Material Handling	3
		<b>7</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>18</b>

\* Capstone Course

# Kinesiology/Physical Education

The program is designed for kinesiology/physical education majors who desire to: (1) promote vigorous mental, emotional, social, and physical health; (2) develop motor skills; and (3) prepare students for desirable leisure-time activities. A maximum of four (4) credits of kinesiology/physical education activity classes may be applied to the associate degree at Lee College for non-kinesiology/physical education majors. Those majoring in kinesiology/physical education may take up to eight (8) credits.

Students may take a physical activity course within the same sport, using the beginning and experienced sequence. The same course may not be repeated for credit.

## Associate of Science in Kinesiology/Physical Fitness-KI3

The Associate of Science in Kinesiology combines the requirements of students who desire to teach, coach, or have an interest in fitness and wellness. Kinesiology/Physical Education majors should also consider the requirements of the senior college to which they intend to transfer and plan their community college scholastic schedule accordingly. It is also suggested to consult the senior university catalog for elective options.

FIRST SEMESTER		SCH
—	<b>ENGL 1301 English Composition I</b>	<b>3</b>
—	<b>HIST ---- Social/Behavioral Science: History</b>	<b>3</b>
—	<b>MATH ---- Mathematics</b>	<b>3/4</b>
—	<b>COSC 1301 Microcomputer Applications</b>	<b>3</b>
—	KINE 1301 Foundations in Physical Education	3
—	<b>KINE ---- Elective</b>	<b>1</b>
		<b>16/17</b>
SECOND SEMESTER		
—	<b>ENGL 1302 English Composition II</b>	<b>3</b>
—	<b>HIST ---- Social/Behavioral Science: History</b>	<b>3</b>
—	<b>---- ---- Humanities: Visual/Performing Arts</b>	<b>3</b>
—	<b>---- ---- Social/Behavioral Science: Other</b>	<b>3</b>
—	KINE 1305 The Healthy American	3
—	KINE ---- Elective	1
		<b>16</b>
THIRD SEMESTER		
—	<b>BIOL 2401 Human Anatomy and Physiology I</b>	
	or	
	<b>BIOL 1406 General Biology I</b>	<b>4</b>
—	<b>GOVT 2301 American Government I</b>	<b>3</b>
—	KINE 1306 First Aid	3
—	KINE 2356 Care and Prevention of Athletic Injuries	3
—	KINE 1332 Elementary and Recreational Game Skills	3
		<b>16</b>
FOURTH SEMESTER		
—	KINE 1338 Concepts of Physical Fitness	3
—	<b>BIOL 2402 Human Anatomy and Physiology II *</b>	
	or	
	<b>BIOL 1407 General Biology II *</b>	<b>4</b>
—	<b>GOVT 2302 American Government II</b>	<b>3</b>
—	<b>---- ---- Communication: Other</b>	<b>3</b>
—	<b>---- ---- Humanities: Other</b>	<b>3</b>
—	KINE ---- Elective	1
		<b>17</b>
<b>Total Semester Credit Hours for Degree</b>		<b>65/66</b>

\* Students should choose BIOL 2402 if they completed BIOL 2401 earlier.  
Students should choose BIOL 1407 if they completed BIOL 1406 earlier.

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester.  
Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.

◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Liberal Arts

## Associate of Arts in Liberal Arts- American Studies Option-LA4H

American Studies is an honors program that combines American literature and American history. Each long semester students take a six-semester-hour block of courses that fulfills options within the core curriculum. Through an interdisciplinary approach, students will study American culture and ideology and gain an understanding of how literature reflects historical events. The capstone for the sequence is a research paper about an event of literary or historical significance. Invitations to enter the programs are based on recommendations from instructors.

FIRST SEMESTER			SCH
—	<b>ENGL 1301</b>	<b>English Composition I</b>	<b>3</b>
—	<b>HUMA 1301</b>	<b>Introduction to the Humanities I</b>	<b>3</b>
—	<b>GOVT 2301</b>	<b>American Government I</b>	<b>3</b>
—	<b>KINE ----</b>	<b>Health, Wellness, Kinesiology</b>	<b>1</b>
—	<b>---- ----</b>	<b>Natural Science</b>	<b>4</b>
			<b>14</b>
SECOND SEMESTER			
—	<b>ENGL 1302</b>	<b>English Composition II</b>	<b>3</b>
—	HUMA 1302	Introduction to the Humanities II	3
—	---- ----	Elective	3
—	<b>GOVT 2302</b>	<b>American Government II</b>	<b>3</b>
—	<b>---- ----</b>	<b>Natural Science</b>	<b>4</b>
			<b>16</b>
THIRD SEMESTER			
—	ENGL 2327	American Literature to 1860	3
—	<b>HIST 1301</b>	<b>History of the United States to 1877</b>	<b>3</b>
—	<b>---- ----</b>	<b>Social/Behavioral Science: Other</b>	<b>3</b>
—	<b>---- ----</b>	<b>Humanities: Visual/Performing Arts</b>	<b>3</b>
—	<b>---- ----</b>	<b>Computer Literacy</b>	<b>3-4</b>
			<b>15/16</b>
FOURTH SEMESTER			
—	ENGL 2328	American Literature: 1860 to Present	3
—	<b>HIST 1302</b>	<b>History of the United States Since 1877</b>	<b>3</b>
—	---- ----	Elective	3
—	<b>MATH 1414</b>	<b>College Algebra</b>	
		or	
	<b>MATH 1332</b>	<b>Contemporary Mathematics I</b>	<b>3-4</b>
—	<b>---- ----</b>	<b>Communication: Other</b>	<b>3</b>
			<b>15/16</b>
<b>Total Semester Credit Hours for Degree</b>			<b>60/62</b>

# Machine Shop

## Associate of Applied Science in Machine Shop - Machinist Option-MC2

FIRST SEMESTER		SCH
—	MCHN 1391 Special Topics in Machinist/Machine Technologist: Machine Parts Metrology and Design	3
—	MCHN 1452 Intermediate Machining I	4
—	TECM 1341 Technical Algebra	3
—	<b>ITSC 1309 Integrated Software Applications I</b>	<b>3</b>
—	----- <b>Natural Science</b>	<b>4</b>
		<b>17</b>

SECOND SEMESTER		SCH
—	MCHN 1454 Intermediate Machining II	4
—	MCHN 2441 Advanced Machining I	4
—	TECM 1349 Technical Math Applications	3
—	<b>ENGL ----- Written Communication</b>	<b>3</b>
—	----- <b>Humanities/Fine Arts</b>	<b>3</b>
		<b>17</b>

THIRD SEMESTER		SCH
—	MCHN 2445 Advanced Machining II	4
—	ENGL ----- Written Communication	3
—	<b>SPCH ----- Oral Communications</b>	<b>3</b>
—	MCHN 2403 Fundamentals of Computer Numerical Controlled (CNC) Machine Controls	4
—	----- Elective *	3
		<b>17</b>

FOURTH SEMESTER		SCH
—	MCHN 2434 Operation of CNC Machining Centers	4
—	<b>MCHN 1416 Machine Tool Repair</b>	<b>4</b>
—	----- <b>Social/Behavioral Science</b>	<b>3</b>
		<b>11</b>
<b>Total Semester Credit Hours for Degree</b>		<b>62</b>

\* May choose MCHN 1343

## Associate of Applied Science in Machine Shop - Millwright Option-MW2

FIRST SEMESTER		SCH
—	MCHN 1391 Special Topics in Machinist/Machine Technologist: Machine Parts Metrology and Design	3
—	MCHN 1425 Millwright I	4
—	TECM 1341 Technical Algebra	3
—	<b>ITSC 1309 Integrated Software Applications I</b>	<b>3</b>
—	----- <b>Natural Science</b>	<b>4</b>
		<b>17</b>

SECOND SEMESTER		SCH
—	MCHN 1429 Millwright II	4
—	MCHN 2405 Millwright III	4
—	TECM 1349 Technical Math Applications	3
—	<b>ENGL ----- Written Communication</b>	<b>3</b>
—	----- <b>Humanities/Fine Arts</b>	<b>3</b>
		<b>17</b>

THIRD SEMESTER		SCH
—	HYDR 1345 Hydraulics and Pneumatics	3
—	MCHN 2407 Millwright IV	4
—	ENGL ----- Written Communication	3
—	<b>SPCH ----- Oral Communications</b>	<b>3</b>
—	MCHN 1343 Machine Shop Mathematics	3
		<b>16</b>

FOURTH SEMESTER		SCH
—	<b>MCHN 2412 Millwright V</b>	<b>4</b>
—	----- Elective*	<b>3</b>
—	----- <b>Social/Behavioral Science</b>	<b>3</b>
—	----- Elective	<b>3</b>
		<b>13</b>
<b>Total Semester Credit Hours for Degree</b>		<b>63</b>

\* May choose MCHN 1343.

## Certificate of Completion in Machine Shop - Machinist Option-MC1

FIRST SEMESTER		SCH
—	MCHN 1391 Special Topics in Machinist/Machine Technologist: Machine Parts Metrology and Design	3
—	MCHN 1452 Intermediate Machining I	4
		<b>7</b>

SECOND SEMESTER		SCH
—	MCHN 1454 Intermediate Machining II	4
—	MCHN 2441 Advanced Machining I	4
—	MCHN 2445 Advanced Machining II	4
		<b>12</b>

THIRD SEMESTER		SCH
—	<b>MCHN 1416 Machine Tool Repair</b>	<b>4</b>
		<b>4</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>23</b>

## Certificate of Completion in Machine Shop - Millwright Option-MW1

FIRST SEMESTER		SCH
—	MCHN 1391 Special Topics in Machinist/Machine Technologist: Machine Parts Metrology and Design	3
—	MCHN 2405 Millwright III	4
—	MCHN 1343 Machine Shop Mathematics	3
		<b>10</b>

SECOND SEMESTER		SCH
—	HYDR 1345 Hydraulics and Pneumatics	3
—	MCHN 2407 Millwright IV	4
		<b>7</b>

THIRD SEMESTER		SCH
—	<b>MCHN 2412 Millwright V</b>	<b>4</b>
		<b>4</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>21</b>

## Certificate of Completion in Machine Shop - Millwright Helper Option-MH1

FIRST SEMESTER		SCH
—	MCHN 1391 Special Topics in Machinist/Machine Technologist: Machine Parts Metrology and Design	3
—	MCHN 1425 Millwright I	4
		<b>7</b>

SECOND SEMESTER		SCH
—	MCHN 1429 Millwright II	4
—	<b>MCHN 2405 Millwright III</b>	<b>4</b>
		<b>8</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>15</b>

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester.  
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 ♦ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Manufacturing Engineering Technology

## Associate of Applied Science in Manufacturing Engineering Technology-MAET2

The Manufacturing Engineering Technology MET program is a broad-based general science degree designed to prepare students for careers in the chemical processing industry, manufacturing, and advanced technology. The Manufacturing Engineering Technology MET program is a popular option found at 14 universities in the State of Texas. Graduates from the Manufacturing Engineering Technology MET AAS program would have five options; (1) transfer to a 4-year engineering program, (2) transfer to a 4-year engineering technology program, (3) seek employment as an engineering technician, (4) seek employment as a process technician, research technician, laboratory technician or (5) transfer to a four year school offering a BS in Technology. Graduates from this program will have a solid foundation in mathematics, physics and chemistry combined with a good understanding of the equipment and technology associated with the operation of the manufacturing industry. Optional career paths could include chemistry, safety, pharmaceuticals, power generation, or engineering. The program will comply with the American Chemical Society's voluntary standards and with the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology in Engineering Technology.

FIRST SEMESTER				SCH
—	ENGT	2310	Introduction to Manufacturing Processes	3
—	PTAC	1410	Process Technology I - Equipment	4
—	MATH	1414	College Algebra	4
—	PTAC	1308	Safety, Health, and Environment I	3
—	<b>ENGL</b>	<b>1301</b>	<b>English Composition I</b>	<b>3</b>
				<b>17</b>
SECOND SEMESTER				
—	PTAC	1332	Process Instrumentation I	3
—	PHYS	1401	College Physics I: Mechanics and Heat	4
—	PTAC	2314	Principles of Quality	3
—	<b>CHEM</b>	<b>1411</b>	<b>General Chemistry I</b>	<b>4</b>
—	<b>COSC</b>	<b>1301</b>	<b>Microcomputer Applications</b>	<b>3</b>
				<b>17</b>
THIRD SEMESTER				
—	PTAC	2346	Process Troubleshooting	3
—	PTAC	2420	Process Technology II Systems	4
—	PHYS	1402	College Physics II: Sound, Electricity, Magnetism, Light & Modern Physics	4
—	----	----	<b>Social/Behavioral Science</b>	<b>3</b>
				<b>14</b>
FOURTH SEMESTER				
—	MATH	----	Math Elective *	
			or	
—	SCIT	1414	Applied General Chemistry I	4
—	PTAC	2438	Process Technology III - Operations	4
—	<b>SPCH</b>	<b>1315</b>	<b>Principles of Public Speaking</b>	<b>3</b>
—	----	----	<b>Humanities: Visual and Performing Arts</b>	<b>3</b>
				<b>14</b>
<b>Total Semester Credit Hours for Degree</b>				<b>62</b>

\* MATH 2413 Calculus 1 or SCIT 1414



# Math/Physics/ Pre-Engineering

## Associate of Science in Math/Physics/Pre-Engineering-MA3

This degree concentration begins preparing students for a bachelor's degree in math, physics, or engineering. However, additional courses beyond those required for the AS degree may be needed to place students at the junior level or meet program prerequisites. Students should select a transfer university early in their program and seek the advice of an academic advisor or counselor about course selection and additional credits that may be needed.

FIRST SEMESTER			SCH
—	<b>ENGL 1301</b>	<b>English Composition I</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	<b>KINE ----</b>	<b>Health, Wellness, Kinesiology</b>	<b>1</b>
—	<b>MATH 2413</b>	<b>Calculus I with Analytic Geometry*</b>	<b>4</b>
—	<b>COSC 1301</b>	<b>Microcomputer Applications</b>	<b>3</b>
			<b>14</b>
SECOND SEMESTER			
—	<b>ENGL 1302</b>	<b>English Composition II</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	MATH 2414	Calculus II with Analytic Geometry	4
—	MATH 2418	Linear Algebra	4
—	----	<b>Humanities: Visual/Performing Arts</b>	<b>3</b>
			<b>17</b>
THIRD SEMESTER			
—	<b>GOVT 2301</b>	<b>American Government I</b>	<b>3</b>
—	----	<b>Natural Science **</b>	<b>4</b>
—	MATH 2415	Calculus III with Analytic Geometry	4
—	MATH 2420	Differential Equations	4
—	----	<b>Social/Behavioral Science: Other</b>	<b>3</b>
			<b>18</b>
FOURTH SEMESTER			
—	<b>GOVT 2302</b>	<b>American Government II</b>	<b>3</b>
—	----	<b>Communication: Other</b>	<b>3</b>
—	----	<b>Humanities: Other</b>	<b>3</b>
—	----	<b>Natural Science **</b>	<b>4</b>
—	----	Math (sophomore level) or Physics	3-4
			<b>16/17</b>
	<b>Total Semester Credit Hours for Degree</b>		<b>65/66</b>

\* Placement scores will indicate the appropriate level at which math sequence should start.

\*\* Suggested options for those interested in physics and pre-engineering are CHEM 1411, CHEM 1412, PHYS 2425, and PHYS 2426.

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.

◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Mechanical Engineering Technology

## Associate of Applied Science in Mechanical Engineering Technology–MET2

The Mechanical Engineering Technology Program is designed to provide the student with a foundation of theoretical and practical knowledge of engineering technology and the applied skills necessary to begin careers in industry or to transfer to a university program. This program provides a learning environment where students can interact with state-of-the-art technological equipment and software and gain experience in the application of computer aided drafting and design software to create, design and analyze mechanical systems. Students pursuing the Certificate of Completion and the AAS in Mechanical Engineering Technology will be prepared for entry-level employment and transfer to a university program. Students pursuing the AS in Mechanical Engineering Technology will be prepared for university transfer with maximum hours transferring. All students will be prepared for life-long learning in the engineering technology field.

FIRST SEMESTER		SCH
—	<b>COSC 1301 Microcomputer Applications</b>	<b>3</b>
—	DFTG 1409 Basic Computer-Aided Drafting	4
—	ENGR 1304 Engineering Design Graphics	
	or	
—	DFTG 1405 Technical Drafting	3/4
—	TECM 1349 Technical Math Applications	3
—	ENGT 2310 Introduction to Manufacturing Processes	3
—	ENTC 1191 Special Topics in Engineering/General	1
		<b>17/18</b>
SECOND SEMESTER		
—	DFTG 2419 Intermediate Computer-Aided Drafting	4
—	DFTG 1433 Mechanical Drafting	4
—	<b>ENGL 1301 English Composition I</b>	<b>3</b>
—	MCHN 1452 Intermediate Machining I	4
—	---- Social/Behavioral Science	<b>3</b>
		<b>18</b>
THIRD SEMESTER		
—	BMGT 1307 High Performance Work Teams	3
—	<b>CHEM 1411 General Chemistry</b>	<b>4</b>
—	POFT 1132 Workplace Diversity	1
—	CETT 1409 DC-AC Circuits	
	or	
—	CPMT 1407 Electronic and Computer Skills	4
—	---- Humanities/Fine Arts	<b>3</b>
—	INMT 1371 Introduction to Digital Manufacturing	3
		<b>18</b>
FOURTH SEMESTER		
—	INMT 2488 Internship Manufacturing Technology	4
—	ENGT 2307 Engineering Materials I	3
—	ENTC 1343 Static's	3
—	---- Oral Communication	<b>3</b>
—	DFTG 2435 Advanced Technologies in Mechanical Design and Drafting	4
		<b>17</b>
<b>Total Semester Credit Hours for Degree</b>		<b>70</b>

## Associate of Science in Mechanical Engineering Technology–ME3

FIRST SEMESTER		SCH
—	<b>ENGL 1301 English Composition I</b>	<b>3</b>
—	<b>MATH 2413 Calculus I</b>	<b>4</b>
—	ENGR 1304 Engineering Design Graphics	3
—	<b>COSC 1301 Microcomputer Applications</b>	<b>3</b>
—	<b>GOVT 2301 American Government I</b>	<b>3</b>
		<b>16</b>
SECOND SEMESTER		
—	<b>ENGL 1302 English Composition II</b>	<b>3</b>
—	MATH 2414 Calculus II	4
—	<b>GOVT 2302 American Government II</b>	<b>3</b>
—	ENGT 2307 Engineering Materials I	3
—	CHEM 1411 General Chemistry I	4
		<b>17</b>
THIRD SEMESTER		
—	---- Communications: Other	<b>3</b>
—	<b>PHYS 1401 College Physics I</b>	
	or	
—	<b>PHYS 2425 Mechanics and Heat</b>	<b>4</b>
—	ENGT 2310 Introduction to Manufacturing Processes	3
—	<b>HIST ---- Social/Behavioral Science: History</b>	<b>3</b>
—	---- Humanities: Visual and Performing Arts	<b>3</b>
		<b>16</b>
FOURTH SEMESTER		
—	ENGL 2311 Technical & Business Writing	3
—	<b>PHYS 1402 College Physics II</b>	
	or	
—	<b>PHYS 2426 Electricity, Optics, and Waves</b>	<b>4</b>
—	---- Humanities: Other	<b>3</b>
—	<b>HIST ---- Social/Behavioral Science: History</b>	<b>3</b>
—	---- Social/Behavioral Science: Other	<b>3</b>
—	---- KINE	<b>1</b>
		<b>17</b>
<b>Total Semester Credit Hours for Degree</b>		<b>66</b>
Certificate of Completion in Mechanical Engineering Technology–MET1		
FIRST SEMESTER		SCH
—	ENTC 1191 Special Topics in Engineering/General	1
—	ENGR 1304 Engineering Design Graphics	3
	or	
—	DFTG 1405 Technical Drafting	4
—	DFTG 1409 Basic Computer-Aided Drafting	4
—	ENGT 2310 Introduction to Manufacturing Processes	3
—	MCHN 1452 Intermediate Machining I	4
		<b>15/16</b>
SECOND SEMESTER		
—	INMT 2488 Internship Manufacturing Technology/Tech	4
—	ENGT 2307 Engineering Materials I	3
—	DFTG 2419 Intermediate Computer- Aided Drafting	4
—	DFTG 1433 Mechanical Drafting	4
—	INMT 1371 Introduction to Digital Manufacturing	3
		<b>18</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>33/34</b>

# Mental Health Services

## Associate of Applied Science in Alcohol and Drug Abuse Counseling-CA2

The degree program is designed for those who seek licensure as Licensed Chemical Dependency Counselors and/or certification as Certified Alcoholism and Drug Abuse Counselors as well as the associate of applied science degree.

Prerequisites for the program include 12th grade reading level. The program is approved by the Texas Commission on Alcohol and Drug Abuse. In order to be eligible to take the state test the student must have a high school diploma or GED, complete 270 classroom hours of approved curriculum, have 4000 hours of approved supervised experience working with chemically dependent persons, and complete 300 hours of approved supervised field work practicum.

The Lee College degree program provides 435 hours of approved curriculum in chemical dependency specific/related education including HIV training required for licensure/certification, and 352 hours of approved supervised field work practicum. The student is responsible for obtaining the 4000 hours of supervised work experience.

FIRST SEMESTER	SCH
— DAAC 1319 Introduction to Alcohol and Other Drug Addictions	3
— DAAC 1304 Pharmacology of Addiction	3
— <b>ENGL 1301 English Composition I</b>	<b>3</b>
— PSYC 2301 Introduction to Psychology	3
— <b>SOCI 1301 Introductory Sociology</b>	<b>3</b>
	<b>15</b>
SECOND SEMESTER	
— DAAC 1311 Counseling Theories	3
— DAAC 1317 Basic Counseling Skills	3
— ENGL 1302 English Composition II	3
— ENGL 2311 Technical Writing	3
— - - - - Social/Behavioral Science	3
— <b>ITSC 1309 Integrated Software Applications I</b>	<b>3</b>
	<b>15</b>
THIRD SEMESTER	
— DAAC 1309 Assessment Skill of Alcohol and Other Drug Addictions	3
— - - - - <b>Natural Science/Mathematics</b>	<b>4</b>
— <b>SPCH - - - - Oral Communications</b>	<b>3</b>
— DAAC 2354 Dynamics of Group Counseling	3
	<b>13</b>
FOURTH SEMESTER	
— - - - - Elective*	3
— DAAC 2341 Counseling Alcohol and Other Drug Addictions	3
— DAAC 2280 Cooperative Education-Substance Abuse/Addiction Counseling	2
— - - - - Social/Behavioral Science	3
— - - - - <b>Humanities/Fine Arts</b>	<b>3</b>
	<b>14</b>
FIFTH SEMESTER	
— DAAC 2343 Current Issues	3
— DAAC 2307 Addicted Family Intervention	3
— ● DAAC 2281 Cooperative Education-Substance Abuse/Addiction Counseling	2
— - - - - Elective*	3
	<b>11</b>
<b>Total Semester Credit Hours for Degree</b>	<b>68</b>

\* DAAC 1391 is recommended for one elective.

## Certificate of Completion in Alcohol and Drug Abuse Counseling-CA1

Certificate exceeds 270 contact hours required by Texas Commission on Alcohol and Drug Abuse for eligibility to take state test for licensure and TAADAC requirements for certification.

FIRST SEMESTER	SCH
— DAAC 1319 Introduction to Alcohol and Other Drug Addictions	3
— DAAC 1304 Pharmacology of Addiction	3
— DAAC 1311 Counseling Theories	3
	<b>9</b>
SECOND SEMESTER	
— DAAC 1317 Basic Counseling Skills	3
— DAAC 1309 Assessment Skill of Alcohol and Other Drug Addictions	3
— DAAC 2307 Addicted Family Intervention	3
	<b>9</b>
THIRD SEMESTER	
— DAAC 2354 Dynamics of Group Counseling	3
— DAAC 2343 Current Issues	3
— DAAC 2280 Cooperative Education-Substance Abuse/Addiction Counseling	2
	<b>8</b>
FOURTH SEMESTER	
— DAAC 2341 Counseling Alcohol and Other Drug Addictions	3
— ● DAAC 2281 Cooperative Education-Substance Abuse/Addiction Counseling	2
	<b>5</b>
<b>Total Semester Credit Hours for Certificate</b>	<b>31</b>

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type. ♦ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Music

## Music Majors

Music majors are required to enroll in four semesters of applied music and to meet repertoire and performance requirements. Students are required to attend a one-hour weekly lesson and any assigned master classes. They will perform on at least one recital per semester and at a jury which serves as the final examination. Students will participate in the Performance/Lecture Seminar and will fulfill the recital attendance requirement of a specified number concerts and/or recitals per semester.

General course content applicable to individual instruction in all applied areas. (The specific requirements of each applied area will be determined by the instructor.)

## Applied Music (Music Majors)

MUAP 1203, 1204 - Violin-Freshman  
MUAP 2203, 2204 - Violin-Sophomore

MUAP 1207, 1208 - Viola-Freshman  
MUAP 2207, 2208 - Viola-Sophomore

MUAP 1211, 1212 - Cello-Freshman  
MUAP 2211, 2212 - Cello-Sophomore

MUAP 1215, 1216 - Str-Bass-Freshman  
MUAP 2215, 2216 - Str-Bass-Sophomore

MUAP 1219, 1220 - Flute-Freshman  
MUAP 2219, 2220 - Flute-Sophomore

MUAP 1223, 1224 - Oboe-Freshman  
MUAP 2223, 2224 - Oboe-Sophomore

MUAP 1227, 1228 - Bassoon-Freshman  
MUAP 2227, 2228 - Bassoon-Sophomore

MUAP 1231, 1232 - Clarinet-Freshman  
MUAP 2231, 2232 - Clarinet-Sophomore

MUAP 1235, 1236 - Saxophone-Freshman  
MUAP 2235, 2236 - Saxophone-Sophomore

MUAP 1239, 1240 - Trumpet-Freshman  
MUAP 2239, 2240 - Trumpet-Sophomore

MUAP 1243, 1244 - French Horn-Freshman  
MUAP 2243, 2244 - French Horn-Sophomore

MUAP 1247, 1248 - Trombone-Freshman  
MUAP 2247, 2248 - Trombone-Sophomore

MUAP 1255, 1256 - Tuba-Freshman  
MUAP 2255, 2256 - Tuba-Sophomore

MUAP 1259, 1260 - Percussion-Freshman  
MUAP 2259, 2260 - Percussion-Sophomore

MUAP 1263, 1264 - Class Guitar-Freshman  
MUAP 2263, 2264 - Class Guitar-Sophomore

MUAP 1267, 1268 - Organ-Freshman  
MUAP 2267, 2268 - Organ-Sophomore

MUAP 1271, 1272 - Piano-Freshman  
MUAP 2271, 2272 - Piano-Sophomore

MUAP 1283, 1284 - Voice-Freshman  
MUAP 2283, 2284 - Voice-Sophomore

MUAP 1289, 1290 - Bass Guitar-Freshman  
MUAP 2289, 2290 - Bass Guitar-Sophomore

MUAP 1293, 1294 - Elec Guitar-Freshman  
MUAP 2293, 2294 - Elec Guitar-Sophomore

## Applied Music for Non-Majors

Applied lessons may be taken for elective credit. These students will be required to meet the same lesson attendance and jury requirements as majors but will perform on recitals only at the instructor's discretion. All fore-mentioned objectives apply to elective credit study, however, instructors will have greater flexibility in the choice and amount of repertoire required, dependent upon the student's level of ability. Beginners need to enroll in MUSI courses for piano, voice and guitar. (MUSI 1181, 1182, 1183, 1184, 1192, 1193).

MUAP 1101, 1102, 2101, 2102, 1201, 1202, 2201, 2201  
Strings-Violin

MUAP 1105, 1106, 2105, 2106, 1205, 1206, 2205, 2206  
Strings-Viola

MUAP 1109, 111, 2109, 2110, 1209, 1201, 2209, 2210  
Strings-Cello

MUAP 1113, 1114, 2113, 2114, 1213, 1214, 2213, 2214  
Strings-Str Bass

MUAP 1117, 1118, 2117, 2118, 1217, 1218, 2217, 2218  
Woodwind-Flute

MUAP 1121, 112, 2121, 2122, 1221, 1222, 2221, 2222  
Woodwind-Oboe

MUAP 1125, 1126, 2125, 2126, 1225, 1226, 2225, 2226  
Woodwind-Bassoon

MUAP 1129, 1130, 2129, 2130, 1229, 1230, 2229, 2230  
Woodwind-Clarinet

MUAP 1133, 1134, 2133, 2134, 1233, 1234, 2233, 2234  
Woodwind-Saxophone

MUAP 1137, 1138, 2137, 2138, 1237, 1238, 2237, 2238  
Brass-Trumpet

MUAP 1141, 1142, 2141, 2142, 1241, 1242, 2241, 2242  
Brass-French Horn

MUAP 1145, 146, 2145, 2146, 1245, 1246, 2245, 2246  
Brass-Trombone

MUAP 1153, 1154, 2153, 2154, 1253, 1254, 2253, 2254  
Brass-Tuba

MUAP 1157, 1158, 2157, 2158, 1257, 1258, 2257, 2258  
Percussion

MUAP 1161, 1162, 2161, 2162, 1261, 1262, 2261, 2262  
Str-Class Guitar

MUAP 1165, 1166, 2165, 2166, 1265, 1266, 2265, 2266  
Organ

MUAP 1169, 1170, 2169, 2170, 1269, 1270, 2269, 2270  
Piano

MUAP 1181, 1182, 2181, 2182, 1281, 1282, 2281, 2282  
Voice

MUAP 1187, 1188, 2187, 2188, 1287, 1288, 2287, 2288  
Str-Bass Guitar

MUAP 1191, 1192, 2191, 2192, 1291, 1292, 2291, 2292  
Str-Elec Guitar

MUAP 1195, 1196, 1295, 1296, 2295, 2296  
Folk Country Instrument

## Associate of Arts in Music - Field of Study-MU4

The Associate of Arts (AA) Music is structured to meet the needs of students who will ultimately pursue a baccalaureate degree in music as well as those students who will complete their studies at Lee College. Music courses included in this curriculum are transferable as part of the state approved Field of Study in Music curriculum. The AA in Music also includes 32 credit hours of the state mandated General Education Core. Students should meet minimum standards in one specified area of performance, which will be declared their area of applied concentration.

AA students are required to enroll in either Class Piano or in Applied Piano (as determined by the instructor) until exit proficiency requirements are met.

Students are required to attend the Performance/Lecture Seminar that includes lectures, performances by guest artists, student recitals and other activities providing enrichment experiences for students.

Students should attend a specified number of approved concerts each semester.

FIRST SEMESTER			SCH
—	<u>MUSI 1311</u>	<u>Music Theory I *</u>	3
—	<u>MUSI 1116</u>	<u>Elementary Sight Singing and Ear Training*</u>	1
—	<u>MUSI 1181</u>	<u>Class Piano (or Applied Piano)</u>	1
—	<u>MUEN 1141</u>	<u>Lee College Concert Choir</u>	
		or	
	<u>MUEN 1152</u>	<u>Chamber Choir</u>	
		or	
	<u>MUEN 1135</u>	<u>Jazz Ensemble</u>	
		or	
	<u>MUEN 1123</u>	<u>Baytown Symphony Orchestra</u>	
		or	
	<u>MUEN 1125</u>	<u>Concert Band</u>	1
—	<u>MUAP 12- -</u>	<u>Applied Music</u>	2
—	<b>ENGL 1301</b>	<b>English Composition I</b>	3
—	<b>HIST - - - -</b>	<b>Social/Behavioral Science: History</b>	3
—	<b>KINE - - - -</b>	<b>Health, Wellness, Kinesiology</b>	1
			<b>15</b>

SECOND SEMESTER			
—	<u>MUSI 1312</u>	<u>Music Theory II **</u>	3
—	<u>MUSI 1117</u>	<u>Elementary Sight Singing and Ear Training II **</u>	1
—	<u>MUSI 1182</u>	<u>Class Piano (or Applied Piano)</u>	1
—	<u>MUEN 1141</u>	<u>Lee College Concert Choir</u>	
		or	
	<u>MUEN 1152</u>	<u>Chamber Choir</u>	
		or	
	<u>MUEN 1135</u>	<u>Jazz Ensemble</u>	
		or	
	<u>MUEN 1123</u>	<u>Baytown Symphony Orchestra</u>	
		or	
	<u>MUEN 1125</u>	<u>Concert Band</u>	1
—	<u>MUAP 12- -</u>	<u>Applied Music</u>	2
—	<b>ENGL 1302</b>	<b>English Composition II</b>	3
—	<b>HIST - - - -</b>	<b>Social/Behavioral Science: History</b>	3
—	<u>MUSI 1307</u>	<u>Survey of Music Literature **</u>	3
			<b>17</b>

### THIRD SEMESTER

—	<u>MUSI 2311</u>	<u>Music Theory III</u>	3
—	<u>MUSI 2216</u>	<u>Advanced Sight Singing and Ear Training I</u>	1
—	<u>MUSI 2181</u>	<u>Class Piano (or Applied Piano)</u>	1
—	<u>MUEN 2141</u>	<u>Lee College Concert Choir</u>	
		or	
	<u>MUEN 1153</u>	<u>Chamber Choir</u>	
		or	
	<u>MUEN 2135</u>	<u>Jazz Ensemble</u>	
		or	
	<u>MUEN 2123</u>	<u>Baytown Symphony Orchestra</u>	
		or	
	<u>MUEN 2125</u>	<u>Concert Band</u>	1
—	<u>MUAP 22- -</u>	<u>Applied Music</u>	2
—	<b>GOVT 2301</b>	<b>American Government I</b>	3
—	<b>MATH - - - -</b>	<b>Mathematics</b>	3
—	<b>- - - - -</b>	<b>Communication: Other</b>	3
			<b>17</b>

### FOURTH SEMESTER

—	<u>MUSI 2312</u>	<u>Music Theory IV</u>	3
—	<u>MUSI 2117</u>	<u>Advanced Sight Singing and Ear Training II</u>	1
—	<u>MUEN 2141</u>	<u>Lee College Concert Choir</u>	
		or	
	<u>MUEN 1153</u>	<u>Chamber Choir</u>	
		or	
	<u>MUEN 2135</u>	<u>Jazz Ensemble</u>	
		or	
	<u>MUEN 2123</u>	<u>Baytown Symphony Orchestra</u>	
		or	
	<u>MUEN 2125</u>	<u>Concert Band</u>	1
—	<u>MUAP 22- -</u>	<u>Applied Music</u>	2
—	<b>GOVT 2302</b>	<b>American Government II</b>	3
—	<b>- - - - -</b>	<b>Natural Science</b>	4
—	<b>COSC 1301</b>	<b>Microcomputer Applications</b>	3
			<b>17</b>
		<b>Total Semester Credit Hours for Degree</b>	<b>66</b>

\* Course offered in fall semesters only

\*\* Course offered in spring semesters only

\*\*\* Continue Class Piano or private lessons until piano proficiency is met.

## Applied Music

Private study is available on all orchestra and band instruments, piano, organ, guitar and voice for college credit. Lessons in the student's area of concentration are required of all music majors and minors. Private instruction is available to all other Lee College students with top priority given to those enrolled in performance ensembles. Private lessons are also available to high school age students under the concurrent enrollment program. Beginning, intermediate and advanced levels of applied instruction are available. Class lessons in piano, guitar and voice are available for "first time" registrants as a non-music major.

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.

◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



## Associate of Arts in Church Music - Field of Study-CHM4

The Associate of Arts (AA) in Church Music is structured to meet the needs of students who will ultimately pursue a baccalaureate degree in music as well as those students who will complete their studies at Lee College. The AA in Church Music includes 29 credit hours of the state mandated General Education Core.

Students should meet minimum standards in one specified area of performance, which will be declared their area of applied concentration. Students are encouraged to select piano, organ, voice, or conducting as their area of concentration for this degree.

AA students are required to enroll in either Class Piano or in Applied Piano (as determined by the instructor) until exit proficiency requirements are met.

Students are required to attend the weekly Performance/Lecture Seminar that includes lectures, performances by guest artists, student recitals and other activities providing enrichment experiences for students.

Students should attend a specified number of approved concerts each semester.

FIRST SEMESTER			SCH
—	MUSI 1311	Music Theory I *	3
—	MUSI 1116	Elementary Sight Singing and Ear Training I *	1
—	MUSI 1181	Class Piano (or Applied Piano)	1
—	MUEN 1141	Lee College Concert Choir	
		or	
	MUEN 1152	Chamber Choir	
		or	
	MUEN 1135	Jazz Ensemble	
		or	
	MUEN 1123	Baytown Symphony Orchestra	
		or	
	MUEN 1125	Concert Band	1
—	MUAP 11-	Applied Music	1
—	ENGL 1301	English Composition I	3
—	HIST ----	Social/Behavioral Science: History	3
—	KINE ----	Health, Wellness, Kinesiology	1
—	MUSI 1308	Music Literature I - Church Music Seminar	3
			<b>17</b>

SECOND SEMESTER			SCH
—	MUSI 1312	Music Theory II **	3
—	MUSI 1117	Elementary Sight Singing and Ear Training II **	1
—	MUSI 1182	Class Piano (or Applied Piano)	1
—	MUEN 1141	Lee College Concert Choir	
		or	
	MUEN 1152	Chamber Choir	
		or	
	MUEN 1135	Jazz Ensemble	
		or	
	MUEN 1123	Baytown Symphony Orchestra	
		or	
	MUEN 1125	Concert Band	1
—	MUAP 11-	Applied Music	1
—	ENGL 1302	English Composition II	3
—	MUSI 1307	Survey of Music Literature **	3
—	MUSI 1309	Music Literature II - Church Music Seminar	3
—	----	Performance/Lecture Seminar (required)	0
—	----	Recital Attendance (required)	0
			<b>16</b>

THIRD SEMESTER			SCH
—	MUSI 2311	Music Theory III	3
—	MUSI 2116	Advanced Sight Singing and Ear Training I	1
—	MUSI 1181	Class Piano (or Applied Piano)	1
—	MUEN 2141	Lee College Concert Choir	
		or	
	MUEN 1153	Chamber Choir	
		or	
	MUEN 2135	Jazz Ensemble	
		or	
	MUEN 2123	Baytown Symphony Orchestra	
		or	
	MUEN 2125	Concert Band	1
—	MUAP 22-	Applied Music	2
—	GOVT 2301	American Government I	3
—	MATH ----	Mathematics	3
—	----	Communication: Other	3
			<b>17</b>

FOURTH SEMESTER			SCH
—	MUSI 2312	Music Theory IV	3
—	MUSI 2117	Advanced Sight Singing and Ear Training II	1
—	MUEN 2141	Lee College Concert Choir	
		or	
	MUEN 1153	Chamber Choir	
		or	
	MUEN 2135	Jazz Ensemble	
		or	
	MUEN 2123	Baytown Symphony Orchestra	
		or	
	MUEN 2125	Concert Band	1
—	MUAP 22-	Applied Music	1
—	GOVT 2302	American Government II	3
—	----	Natural Science	4
—	COSC 1301	Microcomputer Applications	3
			<b>16</b>
		<b>Total Semester Credit Hours for Degree</b>	<b>66</b>

\* Course offered in fall semesters only

\*\* Course offered in spring semesters only

\*\*\* Continue Class Piano or private lessons until piano proficiency is met.

# Natural Sciences

## Associate of Science in Natural Sciences–SC3

This degree concentration begins preparing students for a bachelor's degree in biology, chemistry, environmental science, and geology. However, additional courses beyond those required for the AS degree may be needed to place students at the junior level or meet prerequisites for their program. Students should select a transfer university early in their program and seek the advice of an academic advisor or counselor about course selection.

FIRST SEMESTER		SCH
—	<b>ENGL 1301 English Composition I</b>	<b>3</b>
—	<b>HIST</b> <u>----</u> <b>Social/Behavioral Science: History</b>	<b>3</b>
—	<b>MATH 1414 College Algebra (or higher) #</b>	<b>4</b>
—	<u>----</u> <b>Natural Science</b>	<b>4</b>
—	<u>----</u> <b>Communication: Other</b>	<b>3</b>
		<b>17</b>
SECOND SEMESTER		
—	<b>ENGL 1302 English Composition II</b>	<b>3</b>
—	<b>HIST</b> <u>----</u> <b>Social/Behavioral Science: History</b>	<b>3</b>
—	<u>----</u> <b>Natural Science</b>	<b>4</b>
—	<u>----</u> <b>Computer Literacy</b>	<b>3-4</b>
—	<u>----</u> <b>Natural Science *</b>	3-4
		<b>16-18</b>
THIRD SEMESTER		
—	<b>GOVT 2301 American Government I</b>	<b>3</b>
—	<u>----</u> <b>Social/Behavioral Science: Other **</b>	<b>3</b>
—	<u>----</u> <b>Natural Science *</b>	3-4
—	<u>----</u> <b>Natural Science *</b>	3-4
—	<u>----</u> <b>Humanities: Visual/Performing Arts</b>	<b>3</b>
		<b>15-17</b>
FOURTH SEMESTER		
—	<u>----</u> <b>Humanities: Other</b>	<b>3</b>
—	<b>GOVT 2302 American Government II</b>	<b>3</b>
—	<b>KINE</b> <u>----</u> <b>Health, Wellness, Kinesiology</b>	<b>1</b>
—	<u>----</u> <b>Natural Science *</b>	3-4
—	<u>----</u> <b>Elective ***</b>	<b>3</b>
		<b>13-14</b>
<b>Total Semester Credit Hours for Degree</b>		<b>61/66</b>

# Placement scores will indicate the appropriate level at which the math sequence should begin.

\* Natural Science majors options include:  
 BIOL 1322, 1411, 1413, 1406, 1407, 2305, 2401, 2402, 2404, 2421  
 CHEM 1411, 1412, 2423, 2425  
 PHYS 1401, 1402, 2425, 2426  
 GEOL 1403, 1404, 1405  
 ENVR 1401

\* Pre-BSN Nursing students should take BIOL 2401, 2402, 2421, 1322, CHEM 1419.

\*\* Pre BSN Nursing students should take PSYC 2301.

\*\*\* Pre BSN Nursing students should take PSYC 2317 or SOCI 1301.

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester.  
 Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.

◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Nursing (ADN)

## Associate of Applied Science in Nursing Program - Tech Prep

The purpose of the Associate Degree Nursing Tech Prep program is to prepare students with beginning competencies to practice as registered nurses upon successful writing of the National Council Licensure Examination for Registered Nurses. The program is accredited by the Board of Nurse Examiners for the state of Texas and the National League for Nursing Accrediting Commission. Information regarding the program can be obtained from the NLNAC at 61 Broadway, New York, New York 10006, (212) 363-5555 extension 153.

It is recommended that the applicant complete some or all of the general education courses in the curriculum prior to entry into the program.

Job opportunities include hospitals, clinics, home health care facilities, long-term care facilities, industry, and specialty health care hospital units. The registered nurse works within the scope of nursing as defined by The Nursing Practice Act in the State of Texas.

## Associate Degree Nursing (ADN) Program Admission Requirements-AD2

Applications are taken year-round, students are strongly encouraged to turn in applications by February 1 and no applications will be taken after May 1 for consideration of the same year admission. **No applications will be accepted without documentation of the state required immunizations. (Contact the Allied Health Office or the Counseling Center for an Application packet.)**

Students are responsible to make application to Lee College before applying to the nursing program. Students are responsible for furnishing official transcript(s) to the Admissions and Records Office. The student is required to request transcript evaluation of transfer courses. Students who have foreign transcripts should plan extended time for transcript evaluation.

The ADN Admission Committee informs applicants of admission status. There are more applicants than slots in the program. Meeting minimum requirements does not guarantee admission. Students selected may enter the program provided admission requirements are satisfied.

- No grade of "D" or below in degree plan courses
- Prerequisite courses GPA of 2.5 minimum (RNSG 1301, BIOL 2401, ENGL 1301, PSYC 2301)
- Science GPA of 2.5 minimum in degree plan courses completed
- Criminal background checks. See Allied Health office for details
- Texas Department of Health and Human Services required immunizations (see p.16 or Allied Health Application packet.)

Admission requirements are monitored continuously and may change between catalogs. Contact the Allied Health office for most current requirements including:

- Overall GPA in degree plan
- GPA of prerequisite courses
- GPA of natural science courses completed in the degree plan
- Number of courses completed in the degree plan
- Non-degree plan science courses completed, such as chemistry, biology, life science, pathophysiology and nutrition
- Non-degree plan academic courses such as Sociology, History, Government, Statistics
- Previous unsuccessful degree plan attempts **may** impact admission

The Board of Nurse Examiners for the State of Texas requires schools to inform enrolled students (verbally and in writing) about eligibility requirements and to maintain students' signed receipt of the required information. The Board of Nurse Examiners has identified certain circumstances that may render a potential candidate ineligible for licensure as a registered nurse in the State of Texas. The Board provides individuals the opportunity to petition for a Declaratory Order as to their eligibility in accordance with article 4519(a) of the Nursing Practice Act. View [www.bne.state.tx.us](http://www.bne.state.tx.us) for further information and forms.

FIRST SEMESTER PREREQUISITES				SCH
—	BIOL	2401	Human Anatomy and Physiology I	4
—	RNSG	1301	Pharmacology	3
—	ENGL	1301	English Composition I	3
—	PSYC	2301	Introduction to Psychology	3
				<b>13</b>

*It is suggested that the \* courses are taken prior to program admission if schedule allows. (Once admitted into the program, all courses must be taken in the sequence listed at the time of admission.) If any RNSG course must be repeated, the lab/clinical corresponding course must be repeated also.*

SECOND SEMESTER				SCH
—	<b>PSYC</b>	<b>2314</b>	<b>Life Span Growth and Development *</b>	<b>3</b>
—	RNSG	1209	Introduction to Nursing	2
—	RNSG	1205	Nursing Skills I	2
—	RNSG	1341	Common Concepts of Adult Health	3
—	RNSG	1361	Clinical - Nursing - Registered Nurse Training	3
—	<b>BIOL</b>	<b>2402</b>	<b>Human Anatomy and Physiology II *</b>	<b>4</b>
				<b>17</b>

THIRD SEMESTER				SCH
—	RNSG	1343	Complex Concepts of Adult Health	3
—	RNSG	1362	Clinical - Nursing - Registered Nurse Training	3
—	RNSG	2201	Care of Children and Families	2
—	RNSG	2161	Clinical - Nursing - Registered Nurse Training	1
—	BIOL	2421	Microbiology*	4
				13

FOURTH SEMESTER				SCH
—	♦	<b>ITSC</b>	<b>1309 Integrated Software Applications I *</b>	<b>3</b>
—	----	----	<b>Humanities/Fine Arts *</b>	<b>3</b>
—	ENGL	1302	English Composition II *	3
—	----	----	<b>Oral Communications *</b>	<b>3</b>
				<b>12</b>

FIFTH SEMESTER				SCH
—	RNSG	1251	Care of the Childbearing Family	2
—	RNSG	1162	Clinical - Nursing - Registered Nurse Training	1
—	RNSG	2213	Mental Health Nursing	2
—	RNSG	2160	Clinical - Nursing - Registered Nurse Training	1
—	SPNL	1301	Health Care Spanish*	3
				<b>9</b>

SIXTH SEMESTER				SCH
—	RNSG	2432	Enhanced Concepts of Adult Health I	4
—	●	RNSG	2121 Management of Client Care	1
—	RNSG	2263	Clinical - Nursing - Registered Nurse Training	2
—	RNSG	1146	Legal and Ethical Issues for Nurses	1
				<b>8</b>
<b>Total Semester Credit Hours for Degree</b>				<b>72</b>

Progression requires:

- Overall 2.0 GPA in degree plan
- No grade of "D" or below in degree plan courses

Graduation requires:

- Completion of RNSG prefix courses within 5 years of graduation
- Overall GPA of 2.0 in degree plan
- No grade of "D" or below in degree plan courses



## Associate of Applied Science in Nursing - Transitional Entry-TN2

Applications are taken year around, students are strongly encouraged to turn in applications **January 15 for spring admission and September 1 for fall admission. No applications will be accepted without documentation of the state required immunizations. (Contact the Allied Health Office or Counseling Center for an Application Packet.)**

Students are responsible to make application to Lee College before applying to the nursing program. Students are responsible for furnishing official transcript(s) to the Admissions and Records Office. The student is required to request transcript evaluation of transfer courses. Students who have foreign transcripts should plan extended time for transcript evaluation.

The ADN Admission Committee informs applicants of admission status. There are more applicants than slots in the program. Meeting minimum requirements does not guarantee admission. Students selected may enter the program provided admission requirements are satisfied.

- No grade of "D" or below in degree plan courses
- Prerequisite courses GPA of 2.5 minimum (ITSC 1309, BIOL 2401, ENGL 1301, PSYC 2301)
- Science GPA of 2.5 minimum in degree plan courses completed
- Criminal background checks. See Allied Health office for details
- Texas Department of Health and Human Services required immunizations (see p. 16 or Allied Health Application packet.)

Admission requirements are monitored continuously and may change between catalogs. Contact the Allied Health office for most current requirements including:

- Overall GPA in degree plan
- GPA of prerequisite courses
- GPA of natural science courses completed in the degree plan
- Number of courses completed in the degree plan
- Non-degree plan science courses completed, such as chemistry, biology, life science, pathophysiology and nutrition
- Non-degree plan academic courses such Sociology, History, Government, Statistics
- Previous unsuccessful degree plan attempts **may** impact admission.

The Board of Nurse Examiners for the State of Texas requires schools to inform enrolled students (verbally and in writing) about eligibility requirements and to maintain students' signed receipt of the required information. The Board of Nurse Examiners has identified certain circumstances that may render a potential candidate ineligible for licensure as a registered nurse in the State of Texas. The Board provides individuals the opportunity to petition for a Declaratory Order as to their eligibility in accordance with article 4519(a) of the Nursing Practice Act. View [www.bne.state.tx.us](http://www.bne.state.tx.us) for further information and forms.

Transitional Entry Prerequisites:

All academic courses with the exception of **Humanities/Fine Arts** and **Oral Communication** must be completed for the student to be eligible for admission to RNSG 2207.

FIRST SEMESTER			SCH
___	<b>BIOL 2401</b>	<b>Human Anatomy and Physiology I</b>	<b>4</b>
___	<b>ITSC 1309</b>	<b>Integrated Software Applications I</b>	<b>3</b>
___	<b>ENGL 1301</b>	<b>English Composition I</b>	<b>3</b>
___	<b>PSYC 2301</b>	<b>Introduction to Psychology</b>	<b>3</b>
			<b>13</b>

SECOND SEMESTER			SCH
___	BIOL 2402	Human Anatomy and Physiology II	4
___	ENGL 1302	English Composition II	3
___	PSYC 2314	Life Span Growth and Development	3
___*	----	<b>Humanities/Fine Arts</b>	<b>3</b>
___*	----	<b>Oral Communications</b>	<b>3</b>
			<b>16</b>

THIRD SEMESTER			SCH
___	BIOL 2421	Microbiology	4
___#	RNSG 1209	Introduction to Nursing	2
___#	RNSG 1205	Nursing Skills I	2
___#	RNSG 1341	Common Concepts of Adult Health	3
___#	<b>RNSG 1361</b>	<b>Clinical - Nursing - Registered Nurse Training</b>	<b>3</b>
___	RNSG 2207	Transition to Nursing Practice	2
			<b>16</b>

Once admitted into the program all courses must be taken in the sequence designated at the time of admission. If any RNSG course must be repeated, the lab/clinical corresponding course must be repeated also.

FOURTH SEMESTER			SCH
___##	RNSG 1343	Complex Concepts of Adult Health	3
___##	RNSG 1362	Clinical - Nursing - Registered Nurse Training	3
___##	RNSG 2201	Care of Children and Families	2
___##	RNSG 2161	Clinical - Nursing - Registered Nurse Training	1
			<b>9</b>

FIFTH SEMESTER			SCH
___	RNSG 1251	Care of the Childbearing Family	2
___	RNSG 1162	Clinical - Nursing - Registered Nurse Training	1
___	RNSG 2213	Mental Health Nursing	2
___	RNSG 2160	Clinical - Nursing - Registered Nurse Training	1
___	SPNL 1301	Health Care Spanish	3
			<b>9</b>

SIXTH SEMESTER			SCH
___	RNSG 2432	Enhanced Concepts of Adult Health I	4
___●	RNSG 2121	Management of Client Care	1
___	RNSG 2263	Clinical - Nursing - Registered Nurse Training	2
___	RNSG 1146	Legal and Ethical Issues for Nurses	1
			<b>8</b>
			<b>71</b>

**Total Semester Credit Hours for Degree**

\* These courses may be taken after admission to the program.

# Credit awarded upon completion of RNSG 1343, 1362, 2201, 2161.  
## Grade awarded in these courses will be transcribed for RNSG 1205, 1209, 1341, 1361.

Progression requires:

- overall 2.0 GPA in degree plan courses
- no grade of "D" or below in degree plan courses

Graduation requires:

- completion of RNSG prefix within 5 years of graduation
- overall GPA of 2.0 in degree plan
- no grade of "D" or below in degree plan courses

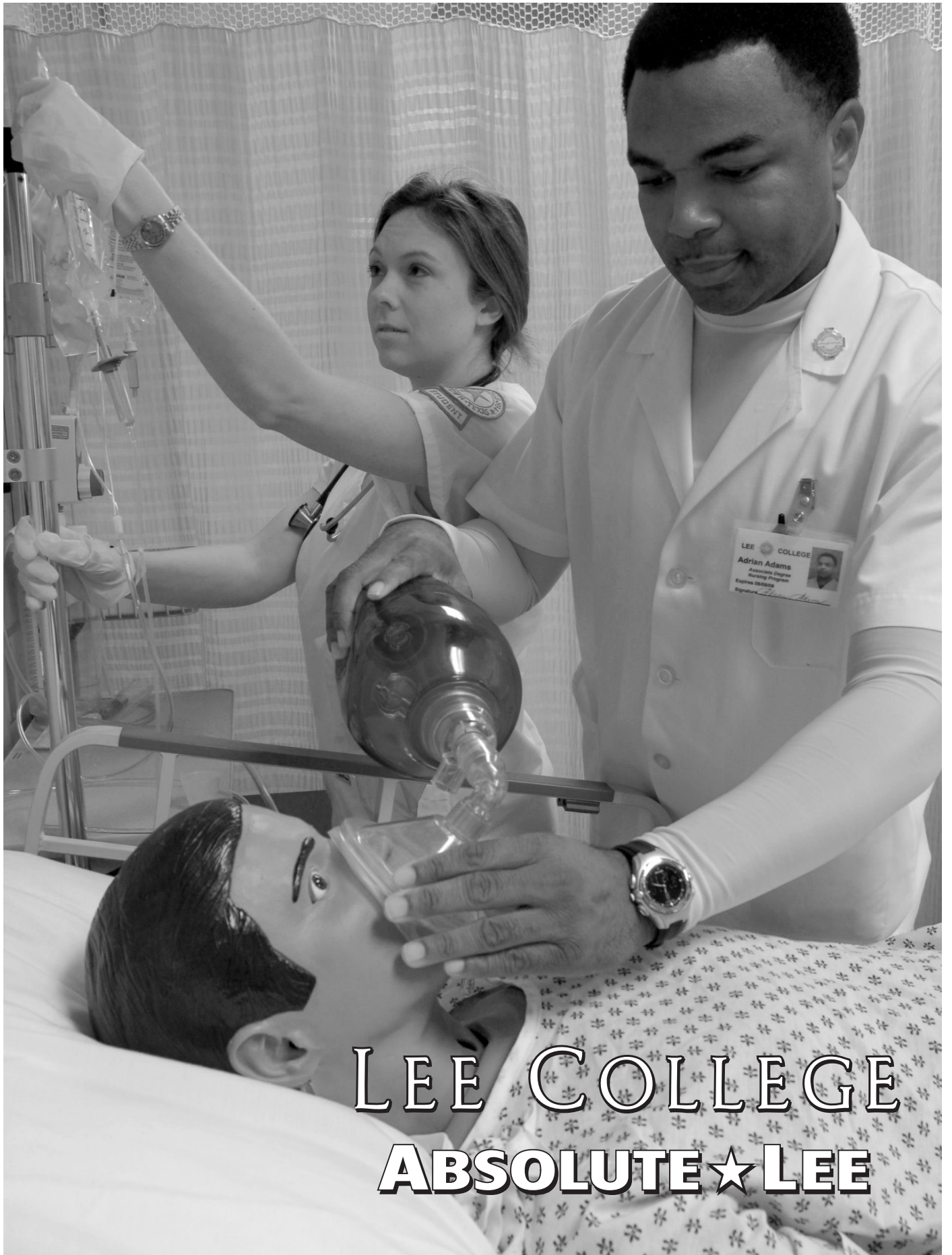
## Bachelor of Science Nursing Program

Lee College does not grant nursing baccalaureate degrees; however, through an arrangement with the University of Texas School of Nursing Galveston, students enroll in the Flexible Option Track (RN to BSN) and core courses for the Master of Science in Nursing degree. Students may utilize the Lee College testing center services, the Learning Resource Center, and the Allied Health Learning Resource Center. The BSN courses are on the web.

Students interested in the flex option should contact the Lee College Allied Health Division or the School of Nursing at the University of Texas at Galveston, phone (409) 772-6111, or [www.son.utmb.edu](http://www.son.utmb.edu).

- Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.
- ◆ Students completing a high school Tech Prep program may receive credit for indicated courses.





LEE COLLEGE  
ABSOLUTE ★ LEE

# Nursing (VN)

## Certificate of Completion in Vocational Nursing–VN1

The purpose of the vocational nursing program is to prepare individuals to perform basic nursing skills as defined by the Nursing Practice Act. The VN program is accredited by the Board of Nurse Examiners for the State of Texas.

Admission to the Vocational Nursing program is based on the following point selection process:

### Required Points

- Apply for admission to Lee College, submit to the Admission and Records office an official transcript from high school or GED certificate, and any/all colleges attended,
- Application for VN program on file in Allied Health office,
- Copy of high school diploma or GED certificate in VN folder in Allied Health office,
- VN Degree plan from Counseling Center signed by counselor,
- Documented reading level by Counseling Center,
- Complete Lee College assessment/placement tests and complete developmental courses, if required,
- Demonstrate competencies in Allied Health Math 0110 or "C" or better on advance placement test for MATH 0110.
- Mandatory information session with VN faculty member.

### Bonus Points

Beginning Fall 2009, all students will be required to take the NET Test. See the Allied Health Office for more information.

- BIOL 2404-Human Body-no older than 2 years, "B" or better is required. (If this course is taken prior to entering the VN program, the student will not have to take BIOL 2404, which is required during the fall semester of the VN program.)

OR

- BIOL 2401 AND BIOL 2402-no older than 2 years, "B" or better is required. (If these courses are taken prior to entering the VN program, the student will not have to take BIOL 2404, which is required during the fall semester of the VN program.)
- HITT 1305-Medical Terminology. (If this course is taken prior to entering the VN program, the student will not have to take HITT 1305 which is required during the fall semester of the VN program.)
- COSS 300-Study Skills
- ITSC 1309-Integrated Software Applications I
- GPA (based on BIOL 2404 or BIOL 2401 and 2402, MATH 110 and HITT 1305) - (4.0 = 1 point; 3.9-3.0 = .75 point; 2.9-2.0 = .50 point.)

Applications are taken year round; students are encouraged to apply by February 1 for fall entry. Obtain a VN admission packet in the Allied Health office or the Counseling Center. No points are calculated for admission after May 30th. Class size is limited and there are more applicants than slots. Completion of recommended bonus courses does not guarantee admission to program.

After successful completion of this program, the graduate is eligible to take the National Council Licensure Examination for Practical Nurses. Upon passing the examination, the graduate is licensed as a vocational nurse.

The Board of Nurse Examiners for the State of Texas requires schools to inform enrolled students (verbally and in writing) about eligibility requirements and to maintain students' signed receipt of the required information. The Board of Nurse Examiners has identified certain circumstances that may render a potential candidate ineligible for licensure as a registered nurse in the state of Texas. The Board provides individuals the opportunity to petition for a Declaratory Order as to their eligibility in accordance with article 4519(a) of the Nursing Practice Act. View [www.bne.state.tx.us](http://www.bne.state.tx.us) for further information and forms.

FIRST SEMESTER			SCH
—	VNSG 1423	Basic Nursing Skills	4
—	VNSG 1304	Foundations of Nursing	3
—	VNSG 1331	Pharmacology	3
—	VNSG 1227	Essentials of Medication Administration	2
—	BIOL 2404	The Human Body	4
—	VNSG 1161	Clinical - Licensed Vocational Nurse (LVN) Training	1
			<b>17</b>
SECOND SEMESTER			
—	HITT 1305	Medical Terminology	3
—	VNSG 1226	Gerontology	2
—	VNSG 1429	Medical-Surgical Nursing I	4
—	VNSG 1234	Pediatrics	2
—	VNSG 1432	Medical-Surgical Nursing II	4
—	VNSG 1360	Clinical - Licensed Vocational Nurse (LVN) Training	3
			<b>18</b>
THIRD SEMESTER			
—	VNSG 1330	Maternal-Neonatal Nursing	3
—	VNSG 1219	Leadership and Professional Development	2
—	VNSG 2431	Advanced Nursing Skills	4
—●	VNSG 2361	Clinical - Licensed Vocational Nurse (LVN) Training	3
			<b>12</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>47</b>

- Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.
- ◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Paralegal Studies

## Associate of Applied Science in Paralegal Studies - Tech Prep-LG2

Paralegals (also called "Legal Assistants") work under the supervision of an attorney and assist in the delivery of legal services. They do substantive legal work the supervising attorney would otherwise do; however, paralegals are not attorneys. Paralegals generally may not provide legal services directly to the public, except as permitted by law. Paralegals are important members of the legal service team. They perform such functions as interviewing clients and witnesses, drafting legal documents, conducting legal research, and attending depositions and court hearings.

Paralegals are found in a number of work settings, including law offices, government agencies, and corporate offices.

This program is approved by the American Bar Association. It consists of both legal and general education courses. It is intended for the training of paralegals and is not a pre-law course of study.

FIRST SEMESTER			SCH
—	<b>ENGL 1301</b>	<b>English Composition I</b>	<b>3</b>
—+	<b>POFI 1401</b>	<b>Computer Applications I</b>	<b>4</b>
—	LGLA 1307	Introduction to Law and the Legal Professions	3
—	LGLA 1301	Legal Research and Writing	3
—	LGLA 1355	Family Law	3
			<b>16</b>
SECOND SEMESTER			
—	<b>SPCH 1315</b>	<b>Principles of Public Speaking</b>	<b>3</b>
—	----	---- <b>Humanities/Fine Arts</b>	<b>3</b>
—	ENGL 1302	English Composition II	3
—	LGLA 1353	Wills, Trusts and Probate Administration	3
—	LGLA 1351	Contracts	3
—	LGLA 1345	Civil Litigation	3
			<b>18</b>
THIRD SEMESTER			
—	<b>GOVT 2301</b>	<b>American Government I</b>	<b>3</b>
—	LGLA 2303	Torts and Personal Injury Law	3
—	LGLA ----	Elective +	3
—	LGLA 2309	Real Property	3
—	POFT 1309	Administrative Office Procedures I	3
—	POFT 2301	Intermediate Keyboarding	3
			<b>18</b>
FOURTH SEMESTER			
—	----	---- <b>Natural Science/Mathematics</b>	<b>4</b>
—	ACNT 1303	Introduction to Accounting I	
			or
—	BUSI 1307	Personal Finance	3
—	LGLA ----	Elective +	3
—	LGLA ----	Elective +	3
—●	LGLA 2333	Advanced Legal Document Preparation	
			or
—	LGLA 2389	Internship - Legal Assistant/Paralegal	3
—	POFT 1132	Workplace Diversity	1
			<b>17</b>
<b>Total Semester Credit Hours for Degree</b>			<b>69</b>

+ *Legal specialty elective to be chosen from LGLA 1317, 1343, 2301, 2307, 2311, 2313, 2323, 2331, 2337, or 2388.*

# Pipefitting

## Associate of Applied Science in Pipefitting Technology - Tech Prep-PF2

FIRST SEMESTER		SCH
__	PFPB 1350 Plumbing and Pipefitting Equipment and Safety	3
__	PFPB 1408 Basic Pipefitting Skills	4
__	TECM 1349 Technical Math Applications	3
__	<b>ITSC 1309 Integrated Software Applications I</b>	<b>3</b>
__	<b>----- Natural Science</b>	<b>4</b>
		<b>17</b>
SECOND SEMESTER		
__	<b>SPCH ----- Oral Communications</b>	<b>3</b>
__	PFPB 1305 Basic Blueprint Reading for Pipefitters	3
__	PFPB 2407 Pipe Fabrication and Installation I	4
__	<b>ENGL ----- Written Communication</b>	<b>3</b>
__	<b>----- Humanities/Fine Arts</b>	<b>3</b>
		<b>16</b>
THIRD SEMESTER		
__	PFPB 2408 Piping Standards and Materials	4
__	PFPB 2349 Field Measuring, Sketching, and Layout	3
__	PFPB 2441 Pipe Fabrication and Installation II	4
__	BMGT 1307 High Performance Work Teams	3
__	<b>----- Elective</b>	<b>3</b>
		<b>17</b>
FOURTH SEMESTER		
__	<b>● PFPB 2343 Pipe Practices</b>	<b>3</b>
__	<b>----- Social/Behavioral Science</b>	<b>3</b>
__	PFPB 2449 Field Measuring, Sketching, and Layout	4
__	<b>----- Elective</b>	<b>3</b>
		<b>13</b>
<b>Total Semester Credit Hours for Degree</b>		<b>63</b>

## Certificate of Completion in Pipefitting Technology-PF1

FIRST SEMESTER		SCH
__	PFPB 1350 Plumbing and Pipefitting Equipment and Safety	3
__	PFPB 1408 Basic Pipefitting Skills	4
		<b>7</b>
SECOND SEMESTER		
__	PFPB 1305 Basic Blueprint Reading for Pipefitters	3
__	PFPB 2407 Pipe Fabrication and Installation I	4
		<b>7</b>
THIRD SEMESTER		
__	PFPB 2408 Piping Standards and Materials	4
__	PFPB 2349 Field Measuring, Sketching & Layout	3
__	PFPB 2441 Pipe Fabrication and Installation II	4
		<b>11</b>
FOURTH SEMESTER		
__	<b>● PFPB 2343 Pipe Practices</b>	<b>3</b>
		<b>3</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>28</b>

## Certificate of Completion in Pipefitter Helper-PH1

FIRST SEMESTER		SCH
__	PFPB 1350 Plumbing and Pipefitting Equipment and Safety	3
__	PFPB 1408 Basic Pipefitting Skills	4
		<b>7</b>
SECOND SEMESTER		
__	PFPB 1305 Basic Blueprint Reading for Pipefitters	3
__	PFPB 2407 Pipe Fabrication and Installation I	4
		<b>7</b>
THIRD SEMESTER		
__	<b>● PFPB 2349 Field Measuring, Sketching, and Layout</b>	<b>3</b>
		<b>3</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>17</b>

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type. ♦ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Process Technology

## Associate of Applied Science in Process Technology - Tech Prep-PT2

The process technology programs prepare the student to enter the operations or laboratory technician field in refinery and manufacturing.

FIRST SEMESTER			SCH
__♦	PTAC 1302	Introduction to Process Technology	3
__♦	PTAC 1308	Safety, Health, and Environment I	3
__	PTAC 1410	Process Technology I - Equipment	4
__	PTAC 1332	Process Instrumentation I	3
__	SCIT 1414	Applied General Chemistry I	4
			<b>17</b>
SECOND SEMESTER			
__	PTAC 2438	Process Technology III - Operations	4
__	PTAC 2314	Principles of Quality	3
__	PTAC 2420	Process Technology II - Systems	4
__	TECM 1349	Technical Math Applications	3
__	-----	Elective	4
			<b>18</b>
THIRD SEMESTER			
__♦	<b>ITSC 1309</b>	<b>Integrated Software Applications I</b>	<b>3</b>
__	<b>PHYS 1401</b>	<b>College Physics I: Mechanics and Heat</b> <i>or</i>	
	<b>PHYS 1405</b>	<b>General Physics I</b>	<b>4</b>
__	TECM 1341	Technical Algebra	3
__	<b>ENGL -----</b>	<b>Written Communications</b>	<b>3</b>
__	<b>SPCH 1315</b>	<b>Principles of Speaking</b>	<b>3</b>
			<b>16</b>
FOURTH SEMESTER			
__	-----	<b>Social/Behavioral Science</b>	<b>3</b>
__	ENGL ----	Written Communications	3
__●	PTAC 2446	Process Troubleshooting	4
__	-----	<b>Humanities/Fine Arts</b>	<b>3</b>
			<b>13</b>
<b>Total Semester Credit Hours for Degree</b>			<b>64</b>

## Certificate of Completion in Process Technology-PT1

FIRST SEMESTER			SCH
__	PTAC 1302	Introduction to Process Technology	3
__	TECM 1341	Technical Algebra	3
__	PTAC 1410	Process Technology I - Equipment	4
__	PTAC 1332	Process Instrumentation I	3
__	SCIT 1414	Applied General Chemistry I	4
			<b>17</b>
SECOND SEMESTER			
__	PTAC 2314	Principles of Quality	3
__	PTAC 2420	Process Technology II - Systems	4
__	PTAC 2446	Process Troubleshooting	4
__●	PTAC 2438	Process Technology III - Operations	4
__♦	PTAC 1308	Safety, Health, and Environment I	3
			<b>18</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>35</b>

# Professional Office Technology

## Associate of Applied Science in Professional Office Technology - Tech Prep-OT2

The Professional Office Technology Program prepares students for administrative support careers in today's business and industry.

FIRST SEMESTER		SCH
___	POFT 1301 Business English	3
___	POFT 1309 Administrative Office Procedures I	3
___	POFT 1321 Business Math	3
___	POFT 1132 Workplace Diversity	
	or	
___	POFT 1127 Introduction to Keyboarding	1
___	POFI 2301 Word Processing	3
___	---- ---- Humanities/Fine Arts	3
		<b>16</b>
SECOND SEMESTER		
___	<b>ENGL 1301 English Composition I</b>	<b>3</b>
___	◆ POFT 2301 Intermediate Keyboarding*	3
___	POFT 1364 Practicum (or Field Experience) - Administrative Assistant and Secretarial Science, General	
	or	
___	POFT 1349 Administrative Office Procedures II	3
___	POFT 2312 Business Correspondence & Communication	3
___	---- ---- Social/Behavioral Science	3
		<b>15</b>
THIRD SEMESTER		
___	ENGL 2311 Technical Writing	3
___	POFI 2340 Advanced Word Processing	3
___	POFT 1365 Practicum (or Field Experience) - Administrative Assistant and Secretarial Science, General	
	or	
___	POFI 2331 Desktop Publishing for the Office	3
___	<b>POFI 1401 Computer Applications I</b>	<b>4</b>
___	<b>SPCH ---- Oral Communications</b>	<b>3</b>
		<b>16</b>
FOURTH SEMESTER		
___	---- ---- Natural Science/Mathematics	<b>4</b>
___	● POFT 2331 Administrative Systems	
	or	
___	● POFT 2364 Practicum (or Field Experience) - Administrative Assistant and Secretarial Science, General	3
___	POFI 1349 Spreadsheets	3
___	ACNT 1303 Introduction to Accounting I	3
___	POFI 1341 Computer Applications II	3
		<b>16</b>
<b>Total Semester Credit Hours for Degree</b>		<b>63</b>

\* Tech Prep course for this degree.

## Certificates of Completion in Office Assistant, Administrative Assistant, and Administrative Specialist

All courses in each certificate apply toward the next level certificate and must be completed for each level certificate to be awarded.

The ability to type 30-35 words per minute is recommended for POFT 2301. POFT 1329 should be taken before taking this course if the student's typewriting speed is less than 30 words per minute.

## Certificate of Completion in Office Assistant-OA1

FIRST SEMESTER		SCH
___	POFT 1301 Business English	3
___	● POFT 1309 Administrative Office Procedures I	3
___	POFT 1329 Beginning Keyboarding	
	or	
___	POFT 2301 Intermediate Keyboarding	3
___	POFI 2301 Word Processing	3
___	POFT 1321 Business Math	3
___	POFT 1132 Workplace Diversity	1
<b>Total Semester Credit Hours for Certificate</b>		<b>16</b>

## Certificate of Completion in Administrative Assistant-AA1

FIRST SEMESTER		SCH
___	POFT 1301 Business English	3
___	POFT 1309 Administrative Office Procedures I	3
___	POFT 2301 Intermediate Keyboarding	3
___	POFI 2301 Word Processing	3
___	POFT 1321 Business Math	3
___	POFT 1132 Workplace Diversity	1
		<b>16</b>

SECOND SEMESTER		
___	● POFT 1349 Administrative Office Procedures II	
	or	
___	● POFT 1364 Practicum (or Field Experience) - Administrative Assistant and Secretarial Science, General	3
___	POFI 1401 Computer Applications I	4
___	POFI 2340 Advanced Word Processing	3
___	POFT 2312 Business Correspondence & Communication	3
		<b>13</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>29</b>

## Certificate of Completion in Administrative Specialist-AI1

FIRST SEMESTER		SCH
___	POFT 1301 Business English	3
___	POFT 1309 Administrative Office Procedures I	3
___	POFT 2301 Intermediate Keyboarding	3
___	POFI 2301 Word Processing	3
___	POFT 1321 Business Math	3
___	POFT 1132 Workplace Diversity	1
		<b>16</b>

SECOND SEMESTER		
___	POFT 1349 Administrative Office Procedures II	
	or	
___	POFT 1364 Practicum (or Field Experience) - Administrative Assistant and Secretarial Science, General	3
___	POFI 1401 Computer Applications I	4
___	POFI 2340 Advanced Word Processing	3
___	POFT 2312 Business Correspondence & Communication	3
		<b>13</b>

THIRD SEMESTER		
___	● POFT 2331 Administrative Systems	
	or	
___	● POFT 2364 Practicum (or Field Experience) - Administrative Assistant and Secretarial Science, General	3
___	POFI 2331 Desktop Publishing for the Office	3
___	POFI 1349 Spreadsheets	3
___	POFI 1341 Computer Applications II	3
		<b>12</b>
<b>Total Semester Credit Hours for Certificate</b>		<b>41</b>

# Professional Writing

## Associate of Science in Professional Writing-PW3

Using technical writing as a foundation, students will learn to design professional publications and write documents for business and industry.

FIRST SEMESTER			SCH
—	<b>ENGL 1301</b>	<b>English Composition I</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	<b>---- ----</b>	<b>Natural Science</b>	<b>4</b>
—	COMM 2305	Business Publication Design	3
—	<b>---- ----</b>	<b>Computer Literacy</b>	<b>3-4</b>
			<b>16/17</b>
SECOND SEMESTER			
—	<b>ENGL 1302</b>	<b>English Composition II</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	ENGL 2311	Technical Writing	3
—	ENGL 2189L	Legal Writing	
		<i>or</i>	
—	ENGL 2189F	Feature Writing	1
—	<b>---- ----</b>	<b>Natural Science</b>	<b>4</b>
—	<b>---- ----</b>	<b>Social/Behavioral Science: Other</b>	<b>3</b>
			<b>17</b>
THIRD SEMESTER			
—	<b>GOVT 2301</b>	<b>American Government I</b>	
		<i>or</i>	
—	<b>GOVT 2302</b>	<b>American Government II</b>	<b>3</b>
—	<b>SPCH ----</b>	<b>Communication: Other</b>	<b>3</b>
—	<b>MATH ----</b>	<b>Mathematics</b>	<b>4</b>
—	<b>---- ----</b>	<b>Humanities: Visual/Performing Arts</b>	<b>3</b>
—	ENGL 2189I	International Technical Communication	1
—	ENGL 2189	Elective	1
			<b>15</b>
FOURTH SEMESTER			
—	<b>GOVT 2301</b>	<b>American Government I</b>	
		<i>or</i>	
—	<b>GOVT 2302</b>	<b>American Government II</b>	<b>3</b>
—	<b>---- ----</b>	<b>Humanities: Other</b>	<b>3</b>
—	<b>KINE ----</b>	<b>Health, Wellness, Kinesiology</b>	<b>1</b>
—	COMM 2389P	Professional Writing Internship	3
—	ENGL 2315	Advanced Technical Writing	3
			<b>13</b>
	<b>Total Semester Credit Hours for Degree</b>		<b>61/62</b>



# Safety Management

## Associate of Applied Science in Safety Management Technology–SM2

This program prepares the students to enter the workplace as HAZMAT maintenance technicians, occupational health and safety specialists, chemical safety technicians, inspectors, or quality control technicians.

FIRST SEMESTER			SCH
—	OSHT 1301	Introduction to Safety and Health	3
—	TECM 1341	Technical Algebra	3
—	OSHT 1309	Physical Hazards Control	3
—	OSHT 1313	Accident Prevention, Inspection, and Investigation	3
—	SCIT 1414	Applied General Chemistry I	4
			<b>16</b>

SECOND SEMESTER			
—	OSHT 1316	Material Handling	3
—	OSHT 1321	Fire Protection Systems	3
—	----	Technical Elective	3
—	----	<b>Written Communications</b>	<b>3</b>
—	----	<b>Natural Science Elective</b>	<b>4</b>
			<b>16</b>

THIRD SEMESTER			
—	OSHT 2309	Safety Program Management	3
—	OSHT 2401	OSHA Regulations - General Industry	4
—	----	Technical Elective	3
—	PTAC 2314	Principles of Quality	3
			<b>13</b>

FOURTH SEMESTER			
—	<b>ITSC 1309</b>	<b>Integrated Software Applications I</b>	<b>3</b>
—	<b>SPCH 1315</b>	<b>Principles of Public Speaking</b>	<b>3</b>
—	----	Technical Elective	3
—	----	<b>Humanities: Visual and Performing Arts</b>	<b>3</b>
—	----	<b>Social/Behavioral Science</b>	<b>3</b>
			<b>15</b>
<b>Total Semester Credit Hours for Degree</b>			<b>60</b>

## Certificate of Completion in Safety Management Technology–SM1

FIRST SEMESTER			SCH
—	OSHT 1301	Introduction to Safety and Health	3
—	OSHT 1309	Physical Hazards Control	3
—	OSHT 1313	Accident Prevent Inspect Invest	3
—	SCIT 1414	Applied General Chemistry I	4
—	TECM 1341	Technical Algebra	
		<i>or</i>	
—	TECM 1349	Technical Math Applications	3
			<b>16</b>

SECOND SEMESTER			
—	OSHT 1316	Material Handling	3
—	OSHT 1321	Fire Protection Systems	3
—	OSHT 2309	Safety Program Management	3
—●	OSHT 2401	OSHA Regulations	4
—	PTAC 1302	Introduction to Process Technology	3
			<b>16</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>32</b>

- Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.
- ◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Social Sciences

## Associate of Arts in Social Sciences–SS4

Students will gain a basic understanding of society through historical events and sociological and economic development.

FIRST SEMESTER			SCH
—	<b>ENGL 1301</b>	<b>English Composition I</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	<b>---- ----</b>	<b>Natural Science</b>	<b>4</b>
—	<b>MATH 1414</b>	<b>College Algebra (or more advanced)</b>	
		<b>or</b>	
—	<b>MATH 1332</b>	<b>Contemporary Mathematics I</b>	<b>3-4</b>
—	<b>---- ----</b>	<b>Computer Literacy</b>	<b>3-4</b>
			<b>16/18</b>
SECOND SEMESTER			
—	<b>ENGL 1302</b>	<b>English Composition II</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	<b>---- ----</b>	<b>Natural Science</b>	<b>4</b>
—	<b>SPCH 1315</b>	<b>Principles of Public Speaking</b>	<b>3</b>
—	<b>---- ----</b>	<b>Elective</b>	<b>3</b>
			<b>16</b>
THIRD SEMESTER			
—	<b>GOVT 2301</b>	<b>American Government I</b>	<b>3</b>
—	<b>---- ----</b>	<b>Humanities: Visual/Performing Arts</b>	<b>3</b>
—	<b>ENGL ----</b>	<b>Literature</b>	<b>3</b>
—	<b>SOCI 1301</b>	<b>Introductory Sociology</b>	<b>3</b>
—	<b>PSYC 2301</b>	<b>Introduction to Psychology</b>	<b>3</b>
—	<b>KINE ----</b>	<b>Health, Wellness, Kinesiology</b>	<b>1</b>
			<b>16</b>
FOURTH SEMESTER			
—	<b>GOVT 2302</b>	<b>American Government II</b>	<b>3</b>
—	<b>---- ----</b>	<b>Humanities: Other</b>	<b>3</b>
—	<b>SOCI 2319</b>	<b>Multi-Cultural Studies</b>	<b>3</b>
—	<b>---- ----</b>	<b>Social Science elective</b>	<b>3</b>
—	<b>ECON 2301</b>	<b>Principles of Economics: Macroeconomics</b>	
		<b>or</b>	
—	<b>ECON 2302</b>	<b>Principles of Economics: Microeconomics</b>	<b>3</b>
			<b>15</b>
<b>Total Semester Credit Hours for Degree</b>			<b>63/65</b>

# Social Work

## Associate of Arts in Social Work–SW4

FIRST SEMESTER		SCH
—	<b>ENGL 1301 English Composition I</b>	<b>3</b>
—	<b>HIST ---- Social/Behavioral Science: History</b>	<b>3</b>
—	<b>---- ---- Natural Science*</b>	<b>4</b>
—	<b>MATH 1414 College Algebra</b>	
	or	
—	<b>MATH 1332 Contemporary Mathematics I</b>	<b>3-4</b>
—	SOCI 1301 Introductory Sociology	3
		15/17
SECOND SEMESTER		
—	<b>ENGL 1302 English Composition II</b>	<b>3</b>
—	<b>HIST ---- Social/Behavioral Science: History</b>	<b>3</b>
—	<b>PSYC 2301 Introduction to Psychology</b>	<b>3</b>
—	<b>---- ---- Humanities: Other**</b>	<b>3</b>
—	<b>---- ---- Natural Science</b>	<b>4</b>
		<b>16</b>
THIRD SEMESTER		
—	<b>GOVT 2301 American Government I</b>	
	or	
—	<b>GOVT 2302 American Government II</b>	<b>3</b>
—	<b>---- ---- Computer Literacy</b>	<b>3-4</b>
—	<b>KINE ---- Health, Wellness, Kinesiology</b>	<b>1</b>
—	SOCW 2361 Introduction to Social Work	3
—	SOCI 2319 Multi-Cultural Studies	3
—	PSYC 2314 Life Span Growth & Development	3
		<b>16-17</b>
FOURTH SEMESTER		
—	<b>GOVT 2301 American Government I</b>	
	or	
—	<b>GOVT 2302 American Government II</b>	<b>3</b>
—	<b>---- ---- Humanities: Visual &amp; Performing Arts</b>	<b>3</b>
—	<b>SPCH 1315 Principles of Public Speaking</b>	<b>3</b>
—	SOCI 1306 Social Problems	3
—	SOCW 2362 Social Welfare as a Social Institution	3
		<b>15</b>
<b>Total Semester Credit Hours for Degree</b>		<b>63/65</b>

\* *Biology Recommended*  
 \*\* *Humanities or Philosophy*

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester.  
 Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.  
 † Students completing a high school Tech Prep program may receive credit for indicated courses.



# Spanish

## Associate of Arts in Spanish–SP4

This degree is designed for students majoring in Spanish who plan to seek a bachelor of arts degree. Students will gain a basic understanding of the Spanish language, identifying their skills through reading comprehension, conversation, and translation. Those beginning at a higher level of language proficiency may choose electives to complete their degree and choose core curriculum courses that are applicable to their major at their selected transfer university.

The admission requirement for a language course other than the beginning course, can be fulfilled by satisfying the prerequisite. Two consecutive years of Spanish in high school may place students into an intermediate level based on instructor evaluation.

Many universities and senior colleges require a foreign language for a bachelor of arts degree. Today, due to the increasing demand for foreign language skills among the different peoples of the world, a knowledge of the leading foreign languages has become an important part of the educated person's academic preparation.

FIRST SEMESTER				SCH
—	<b>ENGL</b>	<b>1301</b>	<b>English Composition I</b>	<b>3</b>
—	----	----	<b>Social/Behavioral Science: Other</b>	<b>3</b>
—	<b>HIST</b>	----	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	SPAN	1411	Beginning Spanish	4
				<b>13</b>
SECOND SEMESTER				
—	<b>ENGL</b>	<b>1302</b>	<b>English Composition II</b>	<b>3</b>
—	<b>MATH</b>	<b>1414</b>	<b>College Algebra</b>	
			<i>or</i>	
	<b>MATH</b>	<b>1332</b>	<b>Contemporary Mathematics I</b>	<b>3-4</b>
—	<b>HIST</b>	----	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	SPAN	1412	Intermediate Spanish	4
—	<b>KINE</b>	----	<b>Health, Wellness, Kinesiology</b>	<b>1</b>
—	----	----	Elective outside one's major	3
				<b>17/18</b>
THIRD SEMESTER				
—	----	----	<b>Humanities: Other</b>	<b>3</b>
—	<b>GOVT</b>	<b>2301</b>	<b>American Government I</b>	<b>3</b>
—	----	----	<b>Natural Science</b>	<b>4</b>
—	----	----	<b>Computer Literacy</b>	<b>3-4</b>
—	SPAN	2311	Spanish: Reading, Conversation, Composition and Grammar Review	3
				<b>16/17</b>
FOURTH SEMESTER				
—	<b>GOVT</b>	<b>2302</b>	<b>American Government II</b>	<b>3</b>
—	----	----	<b>Natural Science</b>	<b>4</b>
—	----	----	<b>Humanities: Visual/Performing Arts</b>	<b>3</b>
—	----	----	<b>Communication: Other</b>	<b>3</b>
—	SPAN	2312	Spanish: Reading, Conversation, Composition and Grammar Review	3
				<b>16</b>
			<b>Total Semester Credit Hours for Degree</b>	<b>62/64</b>

# Speech

## Associate of Arts in Speech Communication-SPC4

This degree focuses on the scientific, humanistic, and critical study of human communication in a variety of formats, media, and contexts. It includes instruction in the theory and practice of interpersonal, group, organizational, professional, and intercultural communication; speaking and listening; verbal and nonverbal interaction; rhetorical theory and criticism; performance studies; argumentation and persuasion; technologically mediated communication; popular culture; and various contextual applications.

FIRST SEMESTER				SCH
—	<b>SPCH 1311</b>	<b>Introduction to Speech Communication</b>	<b>3</b>	
—	<b>ENGL 1301</b>	<b>English Composition I</b>	<b>3</b>	
—	----	<b>Computer Literacy*</b>	<b>3/4</b>	
—	<b>HIST 1301</b>	<b>U.S. History to 1877</b>	<b>3</b>	
—	----	<b>Natural Science</b>	<b>4</b>	
			<b>16/17</b>	
SECOND SEMESTER				
—	SPCH 1315	Public Speaking	3	
—	SPCH 1318	Interpersonal Communication	3	
—	<b>ENGL 1302</b>	<b>English composition II</b>	<b>3</b>	
—	<b>HIST 1302</b>	<b>U.S. History Since 1877</b>	<b>3</b>	
—	<b>KINE ----</b>	<b>Health, Wellness, Kinesiology</b>	<b>1</b>	
—	<b>MATH 1414</b>	<b>College Algebra</b>		
		or		
—	<b>MATH 1332</b>	<b>Contemporary Mathematics</b>	<b>3/4</b>	
			<b>16/17</b>	
THIRD SEMESTER				
—	SPCH 1321	Business & Professional Communications	3	
—	SPCH 2335	Argumentation and Debate		
		or		
—	SPCH 2341	Oral Interpretation	3	
—	<b>GOVT 2301</b>	<b>American Government I</b>	<b>3</b>	
—	PSYC 2301	Introduction to Psychology	3	
—	----	<b>Humanities: Other #</b>	<b>3</b>	
			<b>15</b>	
FOURTH SEMESTER				
—	SPCH 2333	Discussion & Small Group Communication	3	
—	<b>GOVT 2302</b>	<b>American Government II</b>	<b>3</b>	
—	----	<b>Humanities: Visual/Performing Arts ##</b>	<b>3</b>	
—	----	<b>Social/Behavioral Science: Other **</b>	<b>3</b>	
—	----	<b>Natural Science</b>	<b>4</b>	
			<b>16</b>	
	<b>Total Semester Credit Hours for Degree</b>		<b>63/65</b>	

\* Suggested BCIS 1405

\*\* Suggested SOCI 1301

# Suggested PHIL 2306

## Suggested DRAM 1310

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.

◆ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Transfer

## Associate of Science in Transfer–TR3

Students will meet core curriculum requirements and choose an area of concentration to prepare for upper division coursework where more specific fields of study are not available through AA, AS, or AAT degrees offered by Lee College. Electives in the concentration must be chosen from academic courses in the same rubric (exceptions need an instructional dean's approval); technical courses do not apply. Academic courses are listed in the State of Texas Academic Course Guide Manual found at [www.theccb.state.tx.us](http://www.theccb.state.tx.us). The AS in transfer is only available to students who have not already earned an AA, AS, or AAT degree from Lee College, and it is not awarded simultaneously with another AA, AS, or AAT degree from Lee College.

FIRST SEMESTER			SCH
—	<b>ENGL 1301</b>	<b>English Composition I</b>	<b>3</b>
—	<b>MATH 1332</b>	<b>Contemporary Mathematics</b>	
		<i>or</i>	
—	<b>MATH 1414</b>	<b>College Algebra (or more advanced)</b>	<b>3/4</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	<b>---- ----</b>	<b>Computer Literacy</b>	<b>3-4</b>
—	<b>---- ----</b>	Elective *	<b>3</b>
			<b>15/17</b>
SECOND SEMESTER			
—	<b>ENGL 1302</b>	<b>English Composition II</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	<b>---- ----</b>	<b>Social/Behavioral Science: Other</b>	<b>3</b>
—	<b>KINE ----</b>	<b>Health, Wellness, Kinesiology</b>	<b>1-3</b>
—	<b>---- ----</b>	Elective *	<b>3</b>
			<b>13/15</b>
THIRD SEMESTER			
—	<b>---- ----</b>	<b>Communication: Other</b>	<b>3</b>
—	<b>---- ----</b>	<b>Natural Science</b>	<b>4</b>
—	<b>GOVT 2301</b>	<b>American Government I</b>	<b>3</b>
—	<b>---- ----</b>	<b>Humanities: Other</b>	<b>3</b>
—	<b>---- ----</b>	Elective *	<b>3</b>
			<b>16</b>
FOURTH SEMESTER			
—	<b>---- ----</b>	<b>Natural Science</b>	<b>4</b>
—	<b>GOVT 2302</b>	<b>American Government II</b>	<b>3</b>
—	<b>---- ----</b>	<b>Humanities: Visual/Performing Arts</b>	<b>3</b>
—	<b>---- ----</b>	Elective	<b>3</b>
—	<b>---- ----</b>	Elective	<b>3</b>
			<b>16</b>
<b>Total Semester Credit Hours for Degree</b>			<b>60/64</b>

\* Electives must be academic courses in the same discipline, identified by the same rubric. Exceptions must be approved by an instructional dean.

# Visual Arts

## Associate of Arts in Visual Arts-VA4

Students will gain a basic understanding of two-and/or three-dimensional design and apply those principles to their own work. They will develop technical proficiency and an understanding of aesthetic principles basic to one or more media to prepare them to transfer to a four-year art program or further explore their medium of choice. Students seeking a bachelor of arts degree may want to take courses to meet the freshman art core (ARTS 1301, 1303, 1304, 1311, 1312, 1316, 1317), recommended by the Texas Association of Schools of Arts, as well as courses in painting, sculpture, ceramics, digital imaging and photography. Students should select a transfer university early in their program and seek the advice of an academic advisor, counselor, or art instructor about course selection and prerequisites for their program.

FIRST SEMESTER			SCH
—	ARTS 1303	Art History I	
		<i>or</i>	
	ARTS 1304	Art History II	3
—	ARTS 1311	Design I *	3
—	ARTS 1316	Drawing I	3
—	<b>ENGL 1301</b>	<b>English Composition I</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
			<b>15</b>
SECOND SEMESTER			
—	ARTS 1303	Art History I	
		<i>or</i>	
	ARTS 1304	Art History II	3
—	---- ----	<b>Humanities: Other</b>	<b>3</b>
—	ARTS 1317	Drawing II	3
—	<b>ENGL 1302</b>	<b>English Composition II</b>	<b>3</b>
—	---- ----	<b>Natural Science</b>	<b>4</b>
			<b>16</b>
THIRD SEMESTER			
—	ARTS ----	Art elective	3
—	---- ----	<b>Humanities: Visual/Performing Arts</b>	<b>3</b>
—	<b>GOVT 2301</b>	<b>American Government I</b>	<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>	<b>3</b>
—	---- ----	<b>Communication: Other</b>	<b>3</b>
—	---- ----	<b>Social/Behavioral Science: Other</b>	<b>3</b>
—	<b>KINE ----</b>	<b>Health, Wellness, Kinesiology</b>	<b>1</b>
			<b>19</b>
FOURTH SEMESTER			
—	<b>GOVT 2302</b>	<b>American Government II</b>	<b>3</b>
—	<b>COSC 1301</b>	<b>Microcomputer Applications</b>	<b>3</b>
—	---- ----	<b>Natural Science</b>	<b>4</b>
—	<b>MATH ----</b>	<b>Mathematics **</b>	<b>3</b>
—	ARTS ----	Elective	3
			<b>16</b>
<b>Total Semester Credit Hours for Degree</b>			<b>66</b>

\* Offered once a year.

\*\* From core electives.

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester.  
 Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. If both core and FOS, courses are shown in bold & underline type.  
 ♦ Students completing a high school Tech Prep program may receive credit for indicated courses.



# Visual Arts: Imaging

## Associate of Arts in Visual Arts: Imaging-VI4

Students will gain a basic understanding of imaging software and the technical aspects of digital imaging to be able to manipulate images for aesthetic or graphic arts productions and/or online presentations.

FIRST SEMESTER				SCH
—	<b>ENGL 1301</b>	<b>English Composition I</b>		<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>		<b>3</b>
—	<b>KINE ----</b>	<b>Health, Wellness, Kinesiology</b>		<b>1</b>
—	ARTS 1316	Drawing I		3
—	ARTS 2313	Design Communications I		3
—	<b>ARTS 1304</b>	<b>Art History II</b>		<b>3</b>
				<b>16</b>
SECOND SEMESTER				
—	<b>ENGL 1302</b>	<b>English Composition II</b>		<b>3</b>
—	<b>HIST ----</b>	<b>Social/Behavioral Science: History</b>		<b>3</b>
—	<b>---- ----</b>	<b>Communication: Other</b>		<b>3</b>
—	<b>COSC 1301</b>	<b>Microcomputer Applications</b>		<b>3</b>
—	ARTS 2314	Design Communications II		3
—	ARTS 1311	Design I *		3
				<b>18</b>
THIRD SEMESTER				
—	<b>GOVT 2301</b>	<b>American Government I</b>		
		<b>or</b>		
	<b>GOVT 2302</b>	<b>American Government II</b>		<b>3</b>
—	<b>---- ----</b>	<b>Natural Science</b>		<b>4</b>
—	<b>---- ----</b>	<b>Social/Behavioral Science: Other</b>		<b>3</b>
—	ARTS 2348	Digital Art I		3
—	ARTS 1317	Drawing II		3
				<b>16</b>
FOURTH SEMESTER				
—	<b>GOVT 2301</b>	<b>American Government I</b>		
		<b>or</b>		
	<b>GOVT 2302</b>	<b>American Government II</b>		<b>3</b>
—	<b>---- ----</b>	<b>Natural Science</b>		<b>4</b>
—	<b>---- ----</b>	<b>Humanities: Other</b>		<b>3</b>
—	<b>MATH ----</b>	<b>Mathematics **</b>		<b>3</b>
—	ARTS 2349	Digital Art II		3
				<b>16</b>
	<b>Total Semester Credit Hours for Degree</b>			<b>66</b>

\* Offered once a year.

\*\* From core electives.



# Welding

## Associate of Applied Science in Welding Technology - Tech Prep-WE2

FIRST SEMESTER			SCH
—	↔ WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW)	4
—	WLDG 2331	Advanced Blueprint Interpretation & Cost Analysis	3
—	TECM 1341	Technical Algebra	3
—	<b>ENGL - - - -</b>	<b>Written Communication</b>	<b>3</b>
—	WLDG 1323	Welding Safety, Tools, and Equipment	3
			<b>16</b>
SECOND SEMESTER			
—	↔ WLDG 2443	Advanced Shielded Metal Arc Welding (SMAW)	4
—	WLDG 1337	Introduction to Metallurgy	3
—	TECM 1349	Technical Math Applications	3
—	BMGT 1307	High Performance Work Teams	3
—	<b>- - - - - - - -</b>	<b>Natural Science</b>	<b>4</b>
			<b>17</b>
THIRD SEMESTER			
—	WLDG 1435	Introduction to Pipe Welding	4
—	WLDG 1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4
—	WLDG 1327	Welding Codes	3
—	↔ <b>ITSC 1309</b>	<b>Integrated Software Applications I</b>	<b>3</b>
—	<b>- - - - - - - -</b>	<b>Humanities/Fine Arts</b>	<b>3</b>
			<b>17</b>
FOURTH SEMESTER			
—	WLDG 2453	Advanced Pipe Welding	4
—	↔ WLDG 2451	Advanced Gas Tungsten Arc (GTAW) Welding	4
—	<b>SPCH - - - -</b>	<b>Oral Communications</b>	<b>3</b>
—	<b>- - - - - - - -</b>	<b>Social/Behavioral Science</b>	<b>3</b>
—	<b>- - - - - - - -</b>	Elective	3
			<b>17</b>
<b>Total Semester Credit Hours for Degree</b>			<b>67</b>

## Certificate of Completion in Welding Technology-WE1

FIRST SEMESTER			SCH
—	WLDG 2331	Advanced Blueprint Interpretation & Cost Analysis	3
—	WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW)	4
—	WLDG 1323	Welding Safety, Tools, and Equipment	3
			<b>10</b>
SECOND SEMESTER			
—	WLDG 1337	Introduction to Metallurgy	3
—	WLDG 2443	Advanced Shielded Metal Arc Welding (SMAW)	4
—	WLDG 1291	Special Topics in Welder/Welding Technologist	2
			<b>9</b>
THIRD SEMESTER			
—	WLDG 1435	Introduction to Pipe Welding	4
—	WLDG 1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4
—	WLDG 1327	Welding Codes	3
			<b>11</b>
FOURTH SEMESTER			
—	WLDG 2453	Advanced Pipe Welding	4
—	● WLDG 2451	Advanced Gas Tungsten Arc (GTAW) Welding	4
			<b>8</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>38</b>

## Certificate of Completion in Welding Inspection Technology-WI1

FIRST SEMESTER			SCH
—	WLDG 2331	Advanced Blueprint Interpretation & Cost Analysis	3
—	WLDG 1337	Introduction to Metallurgy	3
—	NDTE 1401	Film Interpretation of Weldments	4
—	NDTE 1410	Liquid Penetrant/Magnetic Particle Testing	4
			<b>14</b>
SECOND SEMESTER			
—	● NDTE 2411	Preparation for Welding Inspection Certification	4
—	WLDG 1327	Welding Codes	3
			<b>7</b>
<b>Total Semester Credit Hours for Certificate</b>			<b>21</b>

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