



Chapter 5
Degree and Certificate Plans

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 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 section 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
— ENGL 1301 English Composition I		3
—♦POFI 1401 Computer Applications I		4
— POFT 1325 Business Math and Machine Applications		3
— ACNT 1331 Federal Income Tax: Individual		3
		17
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
		16
THIRD SEMESTER		
— ACNT 2303 Intermediate Accounting I		3
— ACNT 1313 Computerized Accounting Applications		3
— BUSI 1301 Business Principles		3
— SPCH 1315 Principles of Public Speaking		3
or		
— SPCH 1321 Business & Professional Communication		3
— ----- Natural Science/Mathematics		4
		16
FOURTH SEMESTER		
— ACNT 2304 Intermediate Accounting II		3
— BUSI 2301 Business Law		3
— ACNT 2309 Cost Accounting		3
— ----- Social/Behavioral Science		3
— ----- Humanities/Fine Arts		3
—●ACNT 2389 Internship - Accounting		3
or		
—●ACNT 2302 Accounting Capstone		3
		18
Total Semester Credit Hours for Degree		67

* 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 coursework 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 1325 Business Math and Machine Applications		3
— POFI 1401 Computer Applications I		4
— ACNT 1331 Federal Income Tax: Individual		3
— POFT 1301 Business English		3
or		
— ENGL 1301 English Composition I		3
		17
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 Technology/ Technician & Bookkeeping		3
or		
—●ACNT 2302 Accounting Capstone		3
		19
Total Semester Credit Hours for Certificate		36

Certificate of Completion in Advanced Accounting Technician–AT1

FIRST SEMESTER		
— ACCT 2401 Principles of Accounting I - Financial		4
— POFT 1325 Business Math and Machine Applications		3
— POFI 1401 Computer Applications I		4
— ACNT 1331 Federal Income Tax: Individual		3
— POFT 1301 Business English		3
or		
— ENGL 1301 English Composition I		3
		17
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
— BUSI 1301 Business Principles		3
		16
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 Technology/ Technician & Bookkeeping		3
or		
—●ACNT 2302 Accounting Capstone		3
		15
Total Semester Credit Hours for Certificate		48

● 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. Core and Field of Study courses are shown in bold and 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
— ENGL 1301	English Composition I	3
— ECON 2301	Principles of Economics: Macroeconomics	3
— BIOL ----	Biology*	4
— ACCT 2401	Principles of Accounting I - Financial	4
		14
SECOND SEMESTER		
— ENGL 1302	English Composition II	3
— KINE ----	Health, Wellness & Kinesiology	1
— BIOL ----	Biology*	4
— ----	Elective	3/4
— ACCT 2402	Principles of Accounting II - Managerial	4
— ECON 2302	Principles of Economics: Microeconomics	3
		18/19
THIRD SEMESTER		
— GOVT 2301	American Government I	3
	or	
— GOVT 2302	American Government II	3
— SPCH ----	Communication: Other	3
— ----	Humanities: Other	3
— HIST ----	Social/Behavioral Science: History	3
— AGRI ----	Elective++	3
		15
FOURTH SEMESTER		
— GOVT 2301	American Government I	3
	or	
— GOVT 2302	American Government II	3
— HIST ----	Social/Behavioral Science: History	3
— MATH 1414	College Algebra**	4
— ----	Humanities: Visual/Performing Arts	3
— CHEM 1411	General Chemistry I	4
		17
Total Semester Credit Hours for Degree		64/65

* 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.

++ AGRI may be chosen from AGRI 2317 or 1319.

ARCHITECTURE

Associate of Arts in Architecture–AR4

This curriculum is offered for students who are studying for a four-year or five year Bachelor of Architecture Degree. 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. The quality of the portfolio will effect course transfer and placement at the selected university.

FIRST SEMESTER		SCH
— ARCH 1307	Architectural Graphics I	3
— ARCH 1311	Introduction to Architecture	3
— ARCH 2301	Architectural Freehand Drawing I	3
— ENGL 1301	English Composition I	3
— ----	Social/Behavioral Science: Other	3
— GOVT 2301	American Government I	3
		18
SECOND SEMESTER		
— ARCH 1315	Architectural Computer Graphics	3
— ARCH 2302	Architectural Freehand Drawing II	3
— MATH 1414	College Algebra or Higher**	4
— SPCH 1315	Principles of Public Speaking	3
— HIST ----	Social/Behavioral Science: History	3
		16
THIRD SEMESTER		
— ARCH 1303	Architectural Design I	3
— PHYS 1401	College Physics I	4
— ENGL 1302	English Composition II	3
— HIST ----	Social/Behavioral Science: History	3
— ----	Humanities: Other	3
		16
FOURTH SEMESTER		
— ARCH 1304	Architectural Design II	3
— ARCH 1308	Architectural Graphics II	3
	or	
— ARTS 2313	Design Communication I	3
— PHYS 1402	College Physics II	4
— GOVT 2302	American Government II	3
— KINE ----	Health, Wellness, & Kinesiology	1
		14
Total Semester Credit Hours for Degree		64

** 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. Core and Field of Study courses are shown in bold and underline type.

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

AUTOMOTIVE TECHNOLOGY

Certificate of Completion in Auto Body Repair Technician–ABR1

This program offers 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 instructional deans or Vice President of Learning at 281-425-6445 or the Counseling Center at 281-425-6384.

FIRST SEMESTER	SCH
— ABDR 1455 Minor Metal Repair	4
— ABDR 1458 Intermediate Refinishing	4
	8
SECOND SEMESTER	
— ABDR 1441 Structural Analysis & Damage Repair I	4
— ABDR 1442 Structural Analysis & Damage Repair II	4
	8
THIRD SEMESTER	
— ●ABDR 2488 Internship - Auto Body/Collision & Repair	4
	4
Total Semester Credit Hours for Certificate	20

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 1300	Introduction to Computing	3
— BUSI 1301	Business Principles	3
— KINE ----	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 & Professional Communication	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
Total Semester Credit Hours for Degree		66

Associate of Applied Science in Management – Tech Prep–MN2

FIRST SEMESTER		SCH
— BMGT 1301	Supervision	3
— ENGL 1301	English Composition I	3
— COSC 1300	Introduction to Computing 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 & Professional Communication	3
— BUSI 1301	Business Principles	3
— ACNT 1303	Introduction to Accounting I or	
— ACCT 2401	Principles of Accounting I - Financial	3/4
— HRPO 2301	Human Resource Management	3
— ♦MRKG 1311	Principles of Marketing	3
		15/16
THIRD SEMESTER		SCH
— BMGT 1331	Production & Operations Management	3
— BMGT 1325	Office Management	3
— ---- ----	Social/Behavioral Science	3
— ENGL 2311	Technical 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
Total Semester Credit Hours for Degree		64/66

● 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. Core and Field of Study courses are shown in bold and underline type.

♦ Students completing a high school Tech Prep Program may receive credit for indicated courses.

Certificate of Completion in Business–BU1

FIRST SEMESTER

—	●	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 & Operations Management	3

Total Semester Credit Hours for Certificate

SCH

3
3
3
3
3

15

15

Certificate of Completion in International Business–IB1

FIRST SEMESTER

—	●	BUSI	1301	Business Principles	3	
—		BMGT	1327	Principles of Management	3	
—		MRKG	1311	Principles of Marketing	3	
—		●	IBUS	1305	Introduction to International Business & Trade	3
—		----	----	Social/Behavioral Science	3	

Total Semester Credit Hours for Certificate

SCH

3
3
3
3
3

15

15

Certificate of Completion in Management–MN1

FIRST SEMESTER

—	●	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	

SECOND SEMESTER

—	●	BMGT	1325	Office Management	3
—		BMGT	1331	Production & Operations Management	3
—		BUSG	2309	Small Business Management	3
—		ACNT	1303	Introduction to Accounting I	3
—		ACCT	2401	Principles of Accounting I - Financial	3/4

Total Semester Credit Hours for Certificate

SCH

3
3
3
3
3

15

12/13

27/28

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 fewer 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

—	●	BMGT	1301	Supervision	SCH 3
—		ACNT	1303	Introduction to Accounting I	3
—		ACCT	2401	Principles of Accounting I - Financial	3/4
—		BUSI	1301	Business Principles	3
—		MRKG	1311	Principles of Marketing	3

SECOND SEMESTER

—	●	BUSI	2301	Business Law	3	
—		IMED	2309	Internet Commerce	3	
—		IBUS	1305	Introduction to International Business	3	
—		●	BUSG	2309	Small Business Management	3

Total Semester Credit Hours for Certificate

24/25

Certificate of Completion in Supervision–SU1

FIRST SEMESTER

—	●	BMGT	1301	Supervision	SCH 3
—		MRKG	1311	Principles of Marketing	3
—		BMGT	1307	High Performance Work Teams	3

SECOND SEMESTER

—	●	HRPO	2301	Human Resource Management	3
—		BMGT	1331	Production & Operations Management	3
—		BMGT	1325	Office Management	3

Total Semester Credit Hours for Certificate

15

Certificate of Completion in Marketing–MK1

FIRST SEMESTER

—	●	MRKG	1311	Principles of Marketing	SCH 3
—		BUSI	1301	Business Principles	3
—		GISC	1311	Introduction to GIS	3

SECOND SEMESTER

—	●	IMED	2309	Internet Commerce	3
—		BUSI	2301	Business Law	3
—		IBUS	1305	Introduction to International Business	3

Total Semester Credit Hours for Certificate

18

CAREER PILOT TECHNOLOGY

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

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
	8
SECOND SEMESTER	
— ●AIRP 1255 Intermediate Flight	2
— AIRP 1343 Aerodynamics	3
— AIRP 1301 Air Navigation	3
	8
Total Semester Credit Hours for Certificate	16

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
	8
SECOND SEMESTER	
— ●AIRP 2250 Instrument Flight	2
— AIRP 1341 Advanced Air Navigation	3
— AIRP 2331 Advanced Meteorology	3
	8
Total Semester Credit Hours for Certificate	16

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
	8
SECOND SEMESTER	
— ●AIRP 2239 Commercial Flight	2
— AIRP 1343 Aerodynamics	3
— AIRP 2331 Advanced Meteorology	3
	8
Total Semester Credit Hours for Certificate	16

COMMUNICATIONS

Associate of Science in Communications Audio Recording–CM3

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

FIRST SEMESTER		SCH
— ENGL 1301	English Composition I	3
— HIST ----	Social/Behavioral Science: History	3
— KINE ----	Health, Wellness, & Kinesiology	1
— COSC 1300	Introduction to Computing	3
— MUAP ----	Elective***	1
— COMM 2303	Beginning Audio Recording Techniques	3
— MUSI 1301	Music Fundamentals	
	or	
— MUSI 1311	Music Theory I	3

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

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

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

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.

Associate of Applied Science in Audio Engineering Technology–AET2

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	
	or	
— MUSI 1311	Music Theory I	3
— MUSI 1181	Class Piano I (or Applied Piano)	1
— ENGL 1301	English Composition I	3

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

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
— ---- ----	Social/Behavioral Science	3
— MATH 1332	Contemporary Math I	
	or	
— MATH 1414	College Algebra	3/4

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	
	or	
— MUSC ----	Elective	3/4

Total Semester Credit Hours for Degree 64/66

• 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. Core and Field of Study courses are shown in bold and underline type.

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

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 or	
— MUSI	1311	Music Theory I	3
— MUSI	1181	Class Piano I (or Applied Piano)	1
			14
SECOND SEMESTER			
— MUSC	2427	Audio Engineering II	4
— MUSC	2355	MIDI II	3
— MUSC	1335	Commercial Music Software	3
— MUSI	1306	Music Appreciation or	
— MUSI	1310	Contemporary American Music	3
			13
THIRD SEMESTER			
— MUSC	2447	Audio Engineering III	4
— MUSC	1323	Audio Electronics	3
— RTVB	1321	TV Field Production	3
— MUSC	1396	Special Topics in Recording Arts Technology	3
			13
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
			11
Total Semester Credit Hours for Certificate			51

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 or	
— MUSI	1311	Music Theory I	3
— MUSI	1181	Class Piano I (or Applied Piano)	1
			14
SECOND SEMESTER			
— MUSC	2427	Audio Engineering II	4
— MUSC	2355	MIDI II	3
— MUSC	1335	Commercial Music Software	3
— MUSI	1306	Music Appreciation or	
— MUSI	1310	Contemporary American Music	3
			13
Total Semester Credit Hours for Certificate			27

Certificate of Completion in Sound Reinforcement Technology–SRT1

FIRST SEMESTER			SCH
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 kind of venues. Students completing this program are TSI responsible.			
— MUSC	1427	Audio Engineering I	4
— MUSC	1405	Live Sound I	4
— MUSC	2402	Sound Systems Technician	4
— MUSB	1305	Survey of Music Business	3
			15
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
			15
THIRD SEMESTER			
— MUSC	2386	Internship-Recording Arts Technology/ Technician	3
— MUSC	2453	Live Sound III	4
			7
Total Semester Credit Hours for Certificate			37

● 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. Core and Field of Study courses are shown in bold and 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			SCH
— ITSC 1309	Integrated Software Applications I or		3/4
— BCIS 1405	Business Computer Applications		4
— ARTC 1453	Computer Illustration*		4
— CPMT 1411	Introduction to Computer Maintenance		4
— CPMT 1449	Computer Networking Technology		3
— IMED 1316	Web Page Design I*		18/19
SECOND SEMESTER			
— ITSC 2321	Integrated Software Applications II**		4
— IMED 1445	Interactive Digital Media I**		4
— ARTC 2440	Computer Illustration II**		4
— ARTC 1413	Digital Publishing I**		15
THIRD SEMESTER			
— ENGL 1301	English Composition I		3
— -----	Social/Behavioral Science		3
— ITSW 2337	Advanced Database*		4
— -----	Natural Science/Mathematics		4
— COSC 1436	Programming Fundamentals I* or		3/4
— ITSE 1331	Intro. to Visual BASIC Programming*		16/17
FOURTH SEMESTER			
— SPCH -----	Oral Communications		3
— ITSE 1350	System Analysis & Design**		3
— ITSC 2335	Application Problem Solving** or		3
— ●ITSC 2339	Personal Computer Help Desk**		3
— -----	Humanities/Fine Art		3/4
— -----	Elective^		15/16
Total Semester Credit Hours for Degree			64/67

* This course will only be offered in the fall semesters.

** This course will only be offered in the spring semesters.

^ Electives to be chosen from: COSC 1437**, IMED 2309**, IMED 2315**, ITSC 1364, or ITSC 1391.

Certificate of Completion in Personal Computer Support Specialist I–PCS1

FIRST SEMESTER			SCH
— ITSC 1309	Integrated Software Applications I or		3/4
— BCIS 1405	Business Computer Applications		4
— ARTC 1453	Computer Illustration*		4
— CPMT 1411	Introduction to Computer Maintenance		4
— CPMT 1449	Computer Networking Technology		4
— ●IMED 1316	Web Page Design I*		3
Total Semester Credit Hours for Certificate			18/19

* This course will only be offered in the fall semesters.

Certificate of Completion in Personal Computer Support Specialists II–PCSS1

FIRST SEMESTER			SCH
— ITSC 1309	Integrated Software Applications I or		3/4
— BCIS 1405	Business Computer Applications		4
— ARTC 1453	Computer Illustration*		4
— CPMT 1411	Introduction to Computer Maintenance		4
— CPMT 1449	Computer Networking Technology		4
— IMED 1316	Web Page Design I*		3
Total Semester Credit Hours for Certificate			18/19
SECOND SEMESTER			
— ITSC 2321	Integrated Software Applications II**		4
— IMED 1445	Interactive Digital Media I**		4
— ARTC 2440	Computer Illustration II**		4
— ●ARTC 1413	Digital Publishing I**		4
Total Semester Credit Hours for Certificate			15
Total Semester Credit Hours for Certificate			33/34

* This course will only be offered in the fall semesters.

** This course will only be offered in the spring semesters.

● 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. Core and Field of Study courses are shown in bold and underline type.**

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

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

FIRST SEMESTER			
—	ITSC	1309	Integrated Software Applications I or
—	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

17/18

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 & Design 3
—	MRKG	1311	Principles of Marketing 3

17

THIRD SEMESTER			
—	IBUS	1305	Introduction to International Business & Trade 3
—	BUSG	2309	Small Business Management 3
—	ENGL	1301	English Composition I 3
—	SPCH	----	Oral Communications 3
—	----	----	Humanities/Fine Arts 3

15

FOURTH SEMESTER			
—	IMED	1445	Interactive Digital Media I 4
—	----	----	Natural Science/Mathematics 4
—	----	----	Social/Behavioral Science 3
—	IMED	2309	Internet Commerce 3
—	●IMED	2315	Web Page Design II 3
—	●ITSC	1364	Practicum (or Field Experience) Computer and Information Sciences, General 3

17

Total Semester Credit Hours for Degree 66/67

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

FIRST SEMESTER			
—	ITSC	1309	Integrated Software Applications I or
—	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

SCH

17/18

Total Semester Credit Hours for Certificate 17/18

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

FIRST SEMESTER			
—	ITSC	1309	Integrated Software Applications I or
—	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

SCH

17/18

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 & Design 3
—	MRKG	1311	Principles of Marketing 3

17

Total Semester Credit Hours for Certificate 34/35

Associate of Applied Science in Digital Media-DM2

This program is designed to help prepare students for the exciting world of digital technologies. Students will receive a foundation in basic design, photography, illustration, print media and web design. Digital Media is all around us and this program will lay the foundation upon which students may launch exciting careers and become pioneers in the next generation of the digital world.

FIRST SEMESTER			
—	ITSC	1309	Integrated Software Applications I or
—	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

SCH

15/16

SECOND SEMESTER			
—	ITSC	2321	Integrated Software Applications II 3
—	ARTC	1413	Digital Publishing I 4
—	ARTC	2440	Computer Illustration II 4
—	IMED	1445	Interactive Digital Media I 4
—	IMED	2311	Portfolio Development 3

18

THIRD SEMESTER			
—	ARTS	2356	Introduction to Photography 3
—	ENGL	1301	English Composition I
—	ENGL	2311	Technical Writing 3
—	----	----	Oral Communications 3
—	----	----	Humanities/Fine Arts 3
—	----	----	Elective* 3

15

● 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. **Core and Field of Study courses** are shown in bold and underline type.

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

FOURTH SEMESTER			SCH
—	----	Natural Science/Mathematics	4
—	----	Social/Behavioral Science	3
—	ARTS 2357	Advanced Photographic Practices	3
—	GAME 1301	Computer Ethics	
		or	
—	BMGT 1341	Business Ethics	3
—	●IMED 2315	Web Page Design II	3
			16

Total Semester Credit Hours for Degree **64/65**

* Elective to be chosen from ARTS 1311, 1316, 2313, 2333, GAME 1302, 1304, 1306.

Certificate of Completion in Digital Media I–DME1

FIRST SEMESTER			SCH
—	ITSC 1309	Integrated Software Applications I	
		or	
—	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
			15/16

Total Semester Credit Hours for Certificate **15/16**

Certificate of Completion in Digital Media II–DM1

FIRST SEMESTER			SCH
—	ITSC 1309	Integrated Software Applications I	
		or	
—	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
			15/16

SECOND SEMESTER			
—	ITSC 2321	Integrated Software Applications II	3
—	ARTC 2440	Computer Illustration II	4
—	IMED 1445	Interactive Digital Media I	4
—	ARTC 1413	Digital Publishing I	4
—	●IMED 2311	Portfolio Development	3
			18

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

Associate of Applied Science in Digital Forensics Technician–FT2

This program is designed to provide a balanced, fundamental application-oriented education focused on the knowledge of existing and new developments in Digital Forensics. Students will acquire knowledge of the basic digital security and forensics concepts, legal procedures, tools, programming, and tool set skills required to retrieve, collect and analyze digital data. Students will be required to develop necessary teamwork skills to fulfill the capstone requirement. Graduates will attain the following skills: ability to identify, collect, preserve, analyze, and report analysis results of digital forensics evidence. Graduates must also possess extensive analytical skills, strong organizational skills, and excellent written, oral, and presentation skills. Graduates must demonstrate good ethical behavior, judgement, and the ability to adapt to a broad range of digital technologies.

With additional training and experience, individuals increase their potential for advancement. The skills with this degree can lead not only to jobs in the digital forensics industry, but after work experience and completion of a 4-year degree in computer science, or digital forensics, students could qualify for other crossover careers including such career opportunities as: Network and Computer Systems Administrators, Computer Support Specialists, Computer Programmer, Computer Systems Analyst, and/or Software Engineer.

FIRST SEMESTER			SCH
—	COSC 1300	Introduction to Computing	3
—	CRIJ 1301	Introduction to Criminal Justice	3
—	CRIJ 1306	Court Systems & Practices	3
—	CRIJ 1310	Fundamentals of Criminal Law	3
—	CPMT 1449	Computer Networking Technology	4
—	ITDF 1300	Introduction to Digital Forensics	3
			19

SECOND SEMESTER			
—	ITDF 1305	Fundamentals of Digital Data Storage	3
—	ITSC 1316	Linux Installation & Configuration	3
—	ITSY 2301	Firewalls & Network Security	3
—	CRIJ 2314	Criminal Investigation	3
—	CRIJ 2323	Legal Aspects of Law Enforcement	3
—	----	Oral Communications	3
			18

THIRD SEMESTER			
—	COSC 1436	Programming Fundamentals I	4
—	ITDF 2320	Digital Forensics Collection	3
—	ITDF 2325	Digital Forensics Tools	3
—	ITSY 2343	Computer System Forensics	3
—	ENGL 1301	English Composition I	3
			16

FOURTH SEMESTER			
—	ITSY 2330	Intrusion Detection	3
—	●ITDF 2335	Comprehensive Digital Forensics Project	3
—	MATH 1414	College Algebra	4
—	----	Social/Behavioral Science	3
—	----	Humanities/Fine Arts	3
			16

Total Semester Credit Hours for Degree **69**

● 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. Core and Field of Study courses are shown in bold and 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
—	CETT	1325 Digital Fundamentals	3
—	CPMT	1449 Computer Networking Technology	4
—	ITSC	1309 Integrated Software Applications I	3
—	CPMT	1411 Introduction to Computer Maintenance	4
—	TECM	1341 Technical Algebra	3
			17

SECOND SEMESTER			SCH
—	CPMT	2445 Computer System Troubleshooting	4
—	TECM	1349 Technical Math Applications	3
—	ITCC	1401 Exploration: Network Fundamentals	4
—	----	Elective*	3
—	----	Humanities/Fine Arts	3
			17

THIRD SEMESTER			SCH
—	ITCC	1404 Cisco 2: Routing Protocols & Concepts	4
—	SPCH	----- Oral Communications	3
—	ENGL	1301 English Composition I	3
			3
—	BUSI	1304 Business Report Writing & Correspondence	3
—	----	----- Social/Behavioral Science	3
—	----	Elective*	3
			16

FOURTH SEMESTER			SCH
—	----	----- Natural Science/Mathematics	4
—	●CPMT	----- Capstone Course**	4
—	----	Elective*	4
			12
Total Semester Credit Hours for Degree			62

* Electives should be chosen from ITCC or other IT courses for network maintenance and/or web page concentration.

** 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
—	CETT	1325 Digital Fundamentals	3
—	TECM	1341 Technical Algebra	3
—	CPMT	1449 Computer Networking Technology	4
—	CPMT	1411 Introduction to Computer Maintenance	4
			14

SECOND SEMESTER			SCH
—	CPMT	2445 Computer System Troubleshooting	4
—	TECM	1349 Technical Math Applications	3
—	ITCC	1401 Exploration: Network Fundamentals	4
—	●CPMT	----- Capstone Experience*	4
			15

Total Semester Credit Hours for Certificate **29**

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

Certificate of Completion in Network Maintenance Technology–NET1

FIRST SEMESTER			SCH
—	CPMT	1449 Computer Networking Technology	4
—	CPMT	1411 Introduction to Computer Maintenance	4
			8

SECOND SEMESTER			SCH
—	ITCC	1401 Exploration: Network Fundamentals	4
—	ITCC	1404 Cisco Exploration 2: Routing Protocols & Concepts	4
—	CPMT	2445 Computer System Troubleshooting	4
			12

THIRD SEMESTER			SCH
—	●CPMT	2449 Advanced Computer Networking Technology*	4
			4
—	●CPMT	2488 Internship: Computer Installation & Repair Technology*	4
—	ITCC	2408 Cisco Exploration 3: LAN Switching & Wireless	4
—	ITCC	2410 Cisco Exploration 4: Accessing the WAN	4
			12

Total Semester Credit Hours for Certificate **32**

* 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.

● 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. Core and Field of Study courses are shown in bold and underline type.

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

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 or 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
—	ENGL 1301 English Composition I	3
—	<u>COSC 1436 Programming Fundamentals I</u>	4
—	HIST ---- Social/Behavioral Science: History	3
—	---- ---- Humanities: Visual/Performing Arts	3
		13
SECOND SEMESTER		
—	HIST ---- Social/Behavioral Science: History	3
—	<u>COSC 1437 Programming Fundamentals II</u>	4
—	ENGL 1302 English Composition II	3
—	---- ---- Communication: Other	3
—	MATH 2413 Calculus I with Analytic Geometry	4
		17
THIRD SEMESTER		
—	---- ---- Humanities: Other	3
—	GOVT 2301 American Government I	3
—	<u>COSC 2325 Computer Organization & Machine Language</u>	3
—	<u>MATH 2414 Calculus II with Analytic Geometry</u>	4
—	PHYS 2425 Mechanics & Heat	4
		17
FOURTH SEMESTER		
—	GOVT 2302 American Government II	3
—	<u>COSC 2436 Programming Fundamentals III</u>	4
—	KINE ---- Health, Wellness & Kinesiology	1
—	PHYS 2426 Electricity, Optics & Waves	4
—	---- ---- Social/Behavioral Science: Other	3
		15
Total Semester Credit Hours for Degree		62

● 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. Core and Field of Study courses are shown in bold and 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 students 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, estimation, scheduling, and evaluation project performance. The curriculum provides fundamentals and specialized coursework that incorporates current standards and technology for managing and providing quality construction. The Construction Engineering Technology Program prepares graduates for entry-level employment, and provides them with a foundation for transfer to 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
— TECM	1349 Technical Math Application	3
		14
SECOND SEMESTER		
— ----	---- CNBT/FIRT Elective*	3/4
— DFTG	1409 Basic Computer Aided Drafting	4
— ----	---- Social/Behavioral Science	3
— ENGL	1301 English Composition I	3
— ----	---- Humanities/Fine Arts	3
		16/17
THIRD SEMESTER		
— ----	---- CNBT/FIRT Elective*	3/4
— ----	---- CNBT/FIRT Elective*	3/4
— POFT	2312 Business Correspondence & Communication	3
— DFTG	2419 Intermediate CAD	4
— ----	---- Elective Outside Major	3/4
		16/19
FOURTH SEMESTER		
— ----	---- CNBT/FIRT Elective*	3/4
— ●CNBT	1491 Special Topics in Construction/ Building Technology/Technician or	
— ●CNBT	2467 Practicum (or Field Experience): Construction Engineering Technology/ Technician	4
— ----	---- Natural Science/Mathematics	4
— SPCH	---- Oral Communications	3
		14/15
Total Semester Credit Hours for Degree		60/65

* CNBT Electives: CNBT 1300, 1315, 1316, 2317, 2310, 2437, 2442, 2444, FIRT 1302, 1340, 1408.

Certificate of Completion in Construction and Building Technician—CBT1

FIRST SEMESTER		SCH
— CNBT	1311 Construction Methods & Materials I	3
— ●CNBT	1442 Building Codes & Inspections	4
— ----	---- CNBT/FIRT Elective*	3/4
— ----	---- CNBT/FIRT Elective*	3/4
— DFTG	1405 Technical Drafting	4
		17/19
Total Semester Credit Hours for Certificate		17/19

* CNBT Electives: CNBT 1300, 1315, 1316, 2317, 2310, 2437, 2442, 2444, FIRT 1302, 1340, 1408.

Certificate of Completion in Construction Management Technology—CMT1

FIRST SEMESTER		SCH
— CNBT	1311 Construction Methods & Materials I	3
— CNBT	1442 Building Codes & Inspections	4
— ----	---- CNBT/FIRT Elective*	3/4
— ----	---- CNBT/FIRT Elective*	3/4
— DFTG	1405 Technical Drafting	4
		17/19
SECOND SEMESTER		
— ----	---- CNBT/FIRT Elective*	3/4
— ----	---- CNBT/FIRT Elective*	3/4
— DFTG	1409 Basic Computer Aided Drafting	4
— ●CNBT	1491 Special Topics in Construction/ Building/Technician or	
— ●CNBT	2467 Practicum (or Field Experience): Construction Engineering Technology/Technician	4
— TECM	1349 Technical Math Application	3
		17/19
Total Semester Credit Hours for Certificate		34/38

* CNBT Electives: CNBT 1300, 1315, 1316, 2317, 2310, 2437, 2442, 2444, FIRT 1302, 1340, 1408.

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

— CSME	1435	Orientation to the Instruction of Cosmetology
— CSME	1434	Cosmetology Instructor I
— ENGL	1301	English Composition I
— ITSC	1309	Integrated Software Applications I
— ----	----	Elective

SECOND SEMESTER

— CSME	2414	Cosmetology Instructor II
— CSME	2415	Cosmetology Instructor III
— ENGL	1302	English Composition II
		or
— ENGL	2311	Technical Writing
— SPCH	1315	Principles of Public Speaking
— BMGT	1301	Supervision

THIRD SEMESTER

— CSME	2444	Cosmetology Instructor IV
— BMGT	1307	High Performance Work Teams
— ----	----	Natural Science/Mathematics
— HUMA	1301	Introduction to the Humanities I
		or
— PHIL	1301	Introduction to Philosophy

FOURTH SEMESTER

— ●CSME	2445	Instructional Theory & Clinic Operation
— HRPO	1311	Human Relations
— ----	----	Social/Behavioral Science
— ----	----	Elective

Total Semester Credit Hours for Degree

SCH

4
4
3
3
3
17

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13

61

Certificate of Completion in Cosmetology–CO1

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 and Regulation, the students must have completed the following courses of study and must show satisfactory completion of the State Administered Examination.

FIRST SEMESTER

— CSME	1505	Fundamentals of Cosmetology	SCH	5
— CSME	1410	Introduction to Haircutting & Related Theory		4
— CSME	1453	Chemical Reformation & Related Theory		4
— CSME	1254	Artistry of Hair Design I		2
				15

SECOND SEMESTER

— CSME	2401	The Principles of Hair Coloring & Related Theory		4
— CSME	2410	Advanced Haircutting & Related Theory		4
— CSME	1255	Artistry of Hair Design II		2
— CSME	2344	Preparation for the State Licensing Written Examination		3
				13

THIRD SEMESTER

— CSME	2337	Advanced Cosmetology Techniques		3
— ●CSME	2441	Preparation for the State Licensing Examination		4
— CSME	2439	Advanced Hair Design		4
— CSME	2343	Salon Development		3
				14

Total Semester Credit Hours for Certificate

42

Certificate of Completion in Nail Design–ND1

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

FIRST SEMESTER

— CSME	1330	Orientation to Nail Technology	SCH	3
— CSME	1431	Principles of Nail Technology I		4
				7

SECOND SEMESTER

— ●CSME	1441	Principles of Nail Technology II		4
— CSME	2530	Nail Enhancement		5
				9

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. Core and Field of Study courses are shown in bold and underline type.

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

Certificate of Completion in Cosmetology HS Dual Credit - COHS1

This Certificate Program will provide for 1000 hours of instruction that the High School Dual Credit Student is required to attend. This Program is designed to work with the High School schedule and is based on 16 hours per week, to be completed in 2 years. 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 four semesters.

To be eligible for licensing by the Texas Department of Licensing and Regulation, the students must have completed the following courses of study and must show satisfactory completion of the State Administered Examination.

FIRST SEMESTER	SCH
— CSME 1505 Fundamentals of Cosmetology	5
— CSME 1254 Artistry of Hair Design I	2
	7
SECOND SEMESTER	
— CSME 1410 Introduction to Haircutting & Related Theory	4
— CSME 1453 Chemical Reformation & Related Theory	4
	8
THIRD SEMESTER	
— CSME 1255 Artistry of Hair Design II	2
— CSME 2401 The Principles of Hair Coloring & Related Theory	4
	6
FOURTH SEMESTER	
— CSME 2410 Advanced Haircutting & Related Theory	4
— ●CSME 2441 Preparation for the State Licensing Examination	4
	8
Total Semester Credit Hours for Certificate	29

Certificate of Completion in 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 taught in three semesters.

FIRST SEMESTER	SCH
— CSME 1435 Orientation to the Instruction of Cosmetology	4
— CSME 1434 Cosmetology Instructor I	4
	8
SECOND SEMESTER	
— CSME 2414 Cosmetology Instructor II	4
— CSME 2415 Cosmetology Instructor III	4
	8
THIRD SEMESTER	
— ●CSME 2444 Cosmetology Instructor IV	4
— CSME 2445 Instructional Theory & Clinic Operation	4
	8
Total Semester Credit Hours for Certificate	24

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 1300	Introduction to Computing	3
		16/18
SECOND SEMESTER		
— ENGL 1302	English Composition II	3
— HIST ----	Social/Behavioral Science: History	3
— ---- ----	Social/Behavioral Science: Other	3
— ---- ----	Humanities: Other	3
— CRIJ 1306	Court Systems & Practices	3
		15
THIRD SEMESTER		
— 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 & Practices	3
		16
FOURTH SEMESTER		
— GOVT 2301	American Government I or	
— GOVT 2302	American Government II	3
— MATH 1332	Contemporary Mathematics I or	
— MATH 1414	College Algebra	3/4
— ---- ----	Natural Science	4
— CRIJ 2313	Correctional Systems & Practices	3
— CRIJ ----	Criminal Justice Elective	3
		16/17
Total Semester Credit Hours for Degree		63/66

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
— ---- ----	Written Communication	3
— PSYC 2301	Introduction to Psychology	3
—♦ CRIJ 1301	Introduction to Criminal Justice	3
—♦ CRIJ 2328	Police Systems & Practices	3
—♦ ITSC 1309	Integrated Software Applications I or	
— COSC 1300	Introduction to Computing	3
		15
SECOND SEMESTER		
— ---- ----	Written Communication	3
— CRIJ 1306	Court Systems & Practices	3
— ---- ----	Humanities/Fine Arts	3
— SOCI 1301	Introduction to Sociology	3
— ---- ----	Elective	3
		15
THIRD SEMESTER		
— SPCH 1315	Principles of Public Speaking or	
— SPCH 1318	Interpersonal Communication	3
— CRIJ 1310	Fundamentals of Criminal Law	3
— CRIJ 2313	Correctional Systems & Practices	3
— CRIJ ----	Criminal Justice Elective*	3
— ---- ----	Elective	3
		15
FOURTH SEMESTER		
— ---- ----	Natural Science/Mathematics	4
— CRIJ 2314	Criminal Investigation	3
—● CRIJ 2323	Legal Aspects of Law Enforcement	3
— CRIJ ----	Criminal Justice Elective*	3
— SOCI 1306	Social Problems	3
		16
Total Semester Credit Hours for Degree		61

* 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 1300 Introduction to Computing	3
— CRIJ 2313 Correctional Systems & Practices	3
	15
SECOND SEMESTER	
— CRIJ 1306 Court Systems & Practices	3
— CRIJ 2314 Criminal Investigation	3
— CRIJ - - - - Criminal Justice Elective*	3
— PSYC 2301 Introduction to Psychology	3
	12
THIRD SEMESTER	
— ●CRIJ 2328 Police Systems & 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
	15
Total Semester Credit Hours for Certificate	42

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

DRAFTING TECHNOLOGY - CADD

Associate of Applied Science in Computer Aided Drafting and 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 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
—TECM 1349 Technical Math Applications	3
—ENTC 1191 Special Topics in Engineering Technology	1
	12
SECOND SEMESTER	
—DFTG 2419 Intermediate Computer-Aided Drafting	4
— ---- Drafting Elective	4
— ---- Social/Behavioral Science	3
— ENGL 1301 English Composition I	3
— ---- Humanities/Fine Arts	3
	17
THIRD SEMESTER	
—DFTG 2432 Advanced CAD	4
— ---- Drafting Elective	4
— ---- Drafting Elective	4
— ---- Natural Science/Mathematics	4
	16
FOURTH SEMESTER	
—DFTG 1410 Specialized Basic CAD	4
— ---- Drafting Elective	4
— SPCH ---- Oral Communications	3
—●DFTG 2438 Final Project: Advance Drafting or	
—●DFTG 2486 Internship - Drafting & Design Technician, General	4
	15
Total Semester Credit Hours for Degree	60

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 and Design).

Certificate of Completion in Computer Aided Drafting and Design–TP1

FIRST SEMESTER	SCH
—◆DFTG 1405 Technical Drafting	4
—◆DFTG 1409 Basic Computer-Aided Drafting	4
	8
SECOND SEMESTER	
—DFTG ---- Drafting Elective	4
—●DFTG 2419 Intermediate Computer-Aided Drafting	4
	8
Total Semester Credit Hours for Certificate	16

Certificate of Completion in Computer Aided Drafting and Design – Advanced Technology–DS1

Students should review the catalog course description 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
	8
SECOND SEMESTER	
— ---- Drafting Elective	4
—DFTG 2419 Intermediate Computer-Aided Drafting	4
	8
THIRD SEMESTER	
—DFTG 2432 Advanced CAD	4
— ---- Drafting Elective	4
	8
FOURTH SEMESTER	
— ---- Drafting Elective	4
—●DFTG 2438 Final Project: Advance Drafting or	
—●DFTG 2486 Internship - Drafting & Design Technician, General	4
	8
Total Semester Credit Hours for Certificate	32

Field of Specialization - Drafting Electives

Students choosing a specific field of specialization should refer to the following list for Drafting Elective selection:

Architectural related Drafting Electives:

DFTG 1417 Architectural Drafting Residential
DFTG 2400* (Prerequisite: DFTG 1417)
DFTG 2427 Landscape Drafting
DFTG 2428 Architectural Drafting-Commercial
DFTG 2430 Civil Drafting
DFTG 2431 Advanced Technology in Architectural Drafting-3D
CNBT 1442 Building Codes and Ordinances

Mechanical Technology related Drafting Electives:

DFTG 1325 Blueprint Reading and Sketching
DFTG 1433 Mechanical Drafting
DFTG 2435* (Prerequisite: DFTG 1433)
ENGR 2307 Engineering Materials

Process Piping related Drafting Electives:

DFTG 2408 Instrumentation Drafting
DFTG 2423* (Pre-requisite: DFTG 2432)
DFTG 2445* (Pre-requisite: DFTG 2423)

Process Instrumentation & Electrical (I&E) related Drafting Electives:

DFTG 2407 Electrical Drafting
DFTG 2408 Instrumentation Drafting

* Indicates a prerequisite of one or more Drafting Electives. Refer to the course description in the Lee College Catalog for all prerequisites required per 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. Core and Field of Study courses are shown in bold and underline type.

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

Associate of Applied Science in Process Piping Design – PPD2

The Process Pipe Design Program is designed to provide the student with a foundation of theoretical and practical knowledge of the engineering technology field of piping design and the applied skills necessary to begin careers in the 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 to gain experience in the application of computer-aided drafting and design software to create, design, and analyze piping systems. Students pursuing the AAS in Process Pipe Design will be prepared for entry-level employment and transfer to a university program. All students will be prepared for life-long learning in the engineering technology field.

The Texas Gulf Coast Workforce Board has designated Pipe Drafters as a High Skill, High Growth Occupation as of July 2008. Pipe drafters are also a targeted job, by Texas Workforce Commission in the Gulf Coast area with projected employment in 2014 to be equal to or greater than the average for all occupations in the region and a projected growth rate equal to or greater than the average in the region. Median hourly wages are equal to or greater than the median for all occupations in the region with a designated minimum education requirement of a post secondary degree or certificate, long-term on the job training, or experience in a related occupation.

FIRST SEMESTER	SCH
— DFTG 1409 Basic Computer - Aided Drafting	4
— DFTG 1405 Technical Drafting	4
— TECM 1349 Technical Math Applications	3
— PTAC 1410 Process Technology I - Equipment	4
— ENGL 1301 English Composition I	3
	18
SECOND SEMESTER	
— DFTG 2419 Intermediate CAD	4
— DFTG 2408 Instrumentation Drafting	4
— ENGT 2307 Engineering Materials I	3
— ENTC 1343 Statics	3
— ---- ---- Natural Science/Mathematics	4
	18
THIRD SEMESTER	
— DFTG 2423 Pipe Drafting - 3D	4
— DFTG 2432 Advanced CAD - 3D	4
— ---- ---- Social/Behavioral Science	3
— SPCH ---- Oral Communications	3
— PFPB 2449 Field Measuring, Sketching & Layout	4
	18
FOURTH SEMESTER	
— DFTG 2445 Advanced Pipe Drafting	4
— ●DFTG 2457 Advanced Technologies in Pipe Design & Drafting	4
— DFTG 2438 Final Project - Advanced Drafting or	
— DFTG 2486 Drafting Internship	4
— ---- ---- Humanities/Fine Arts	3
	15
Total Semester Credit Hours for Degree	69

Certificate of Completion in Process Piping Design – PPD1

FIRST SEMESTER	SCH
— DFTG 1409 Basic Computer - Aided Drafting	4
— DFTG 1405 Technical Drafting	4
	8
SECOND SEMESTER	
— DFTG 2419 Intermediate CAD	4
— DFTG 2408 Instrumentation Drafting	4
	8
THIRD SEMESTER	
— DFTG 2423 Pipe Drafting - 3D	4
— DFTG 2432 Advanced CAD - 3D	4
— PFPB 2449 Field Measuring, Sketching & Layout	4
	12
FOURTH SEMESTER	
— DFTG 2445 Advanced Pipe Drafting	4
— DFTG 2457 Advanced Technologies in Pipe Design & Drafting	4
— ●DFTG 2438 Final Project - Advanced Drafting or	
— ●DFTG 2486 Drafting Internship	4
	12
Total Semester Credit Hours for Certificate	40

Certificate of Completion in Process Instrumentation and Electrical Design – PIED1

The Process Instrumentation and Electrical Design Certificate is designed to provide the student with a foundation of computer-aided drafting and design (CADD) skills in tandem with practical field knowledge of process instrumentation and electrical applications. In addition to the classroom activities, this program provides hands-on interaction with process instrumentation and electrical equipment in the field as a foundation for application of drafting and design projects in the classroom. Students pursuing the Certificate of Completion in Process Instrumentation and Electrical Design will be prepared for entry-level employment in I&E design and have a foundation of courses to apply toward the AAS in CADD Engineering Technology.

FIRST SEMESTER	SCH
— ●DFTG 1409 Basic Computer - Aided Drafting	4
— DFTG 1405 Technical Drafting	4
— CETT 1302 Electricity Principles	3
— INTC 1312 Instrumentation & Safety	3
	14
SECOND SEMESTER	
— DFTG 2419 Intermediate CAD	4
— DFTG 2408 Instrumentation Drafting	4
— DFTG 2407 Electrical Drafting	4
— PTAC 1332 Process Instrumentation I	3
	15
Total Semester Credit Hours for Certificate	29

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 skills necessary to complete for entry-level positions.

FIRST SEMESTER	SCH
— ---- ---- Humanities: Visual/Performing Arts**	3
— DRAM ---- Elective*	1/3
— DRAM 1120 Theatre Arts Lab I	1
— ENGL 1301 English Composition I	3
— DRAM 2336 Voice & Diction	3
— ---- ---- Natural Science	4
	15/17

SECOND SEMESTER	SCH
— DRAM 1351 Introduction to Acting	3
— ---- ---- Social/Behavioral Science: Other	3
— DRAM ---- Elective*	1/3
— DRAM 1121 Theatre Arts Lab II	1
— ENGL 1302 English Composition II	3
— MATH 1414 College Algebra	4
	15/17

THIRD SEMESTER	SCH
— HIST ---- Social/Behavioral Science: History	3
— DRAM ---- Elective*	3
— DRAM 2120 Theatre Arts Lab III	1
— ---- ---- Humanities: Other	3
— GOVT 2301 American Government I	3
— KINE ---- Health, Wellness & Kinesiology	1
	14

FOURTH SEMESTER	SCH
— HIST ---- Social/Behavioral Science: History	3
— DRAM ---- Elective*	3
— DRAM ---- Elective*	3
— GOVT 2302 American Government II	3
— ---- ---- Natural Science	4
	16

Total Semester Credit Hours for Degree **60/64**

* Drama electives to be chosen from DRAM 1330, 1341, 1342, 1352, 2121, 2189, 2331, 2361, 2362, 2366.

**Course recommended DRAM 1310.

Associate of Arts in Drama Technical Theatre-TT4

FIRST SEMESTER	SCH
— ---- ---- Humanities: Visual/Performing Arts**	3
— DRAM 1330 Elementary Stagecraft	3
— DRAM 1120 Theatre Arts Lab I	1
— ENGL 1301 English Composition I	3
— DRAM 2336 Voice & Diction	3
— ---- ---- Natural Science	4
	17

SECOND SEMESTER	SCH
— ---- ---- Social/Behavioral Science: Other	3
— DRAM 1342 Introduction to Costume	3
— DRAM ---- Elective*	1/3
— DRAM 1121 Theatre Arts Lab II	1
— ENGL 1302 English Composition II	3
— MATH 1414 College Algebra	4
	15/17

THIRD SEMESTER	SCH
— HIST ---- Social/Behavioral Science: History	3
— DRAM 1331 Advanced Stagecraft	3
— DRAM 2120 Theatre Arts Lab III	1
— ---- ---- Humanities: Other	3
— GOVT 2301 American Government I	3
— KINE ---- Health, Wellness & Kinesiology	1
	14

FOURTH SEMESTER	SCH
— HIST ---- Social/Behavioral Science: History	3
— DRAM 1341 Theatre Makeup	3
— DRAM ---- Elective*	1/3
— GOVT 2302 American Government II	3
— ---- ---- Natural Science	4
	14/16

Total Semester Credit Hours for Degree **60/64**

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

**Course recommended DRAM 1310

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 - - - -	Social/Behavioral Science: History	3
— MATH 1414	College Algebra	4
— TECA 1311	Educating Young Children	3
		13
SECOND SEMESTER		
— ENGL 1302	English Composition II	3
— HIST - - - -	Social/Behavioral Science: History	3
— - - - - - - - -	Humanities: Visual/Performing Arts	3
— - - - - - - - -	Natural Science	4
— MATH 1350	Fundamentals of Mathematics I	3
		16
THIRD SEMESTER		
— GOVT 2301	American Government I	3
— - - - - - - - -	Social/Behavioral Science: Other	3
— SPCH 1315	Principles of Public Speaking	3
— - - - - - - - -	Natural Science	4
— TECA 1318	Wellness of the Young Child	3
		16
FOURTH SEMESTER		
— GOVT 2302	American Government II	3
— - - - - - - - -	Humanities: Other	3
— KINE - - - -	Health, Wellness & Kinesiology	3
— TECA 1303	Family, School & Community	3
— TECA 1354	Child Growth & Development	3
		15
Total Semester Credit Hours for Degree		60

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 - - - -	Social/Behavioral Science: History	3
— - - - - - - - -	Natural Science	4
— MATH 1414	College Algebra	4
— EDUC 1301	Introduction to the Teaching Profession	3
		17
SECOND SEMESTER		
— ENGL 1302	English Composition II*	3
— HIST - - - -	Social/Behavioral Science: History	3
— - - - - - - - -	Humanities: Visual/Performing Arts	3
— - - - - - - - -	Natural Science	4
— MATH 1350	Fundamentals of Mathematics I	3
		16
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	3
— KINE - - - -	Health, Wellness & Kinesiology	1
— - - - - - - - -	Natural Science##	4
		14
FOURTH SEMESTER		
— GOVT 2301	American Government I	
or		
— GOVT 2302	American Government II	3
— - - - - - - - -	Humanities: Other	3
— BCIS 1405	Business Computer Applications	4
— EDUC 2301	Introduction to Special Populations	3
		13
Total Semester Credit Hours for Degree		60

* 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. Core and Field of Study courses are shown in bold and underline type.

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

Associate of Arts in Teaching: Grades 4th to 8th Generalist–ED35

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 ---- Social/Behavioral Science: History	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 ---- Social/Behavioral Science: History	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	3
— KINE ---- Health, Wellness & Kinesiology	1
— ---- ---- Natural Science##	4
	14

FOURTH SEMESTER	SCH
— GOVT 2301 American Government I or	
— GOVT 2302 American Government II	3
— ---- ---- Humanities: Other	3
— BCIS 1405 Business Computer Applications	4
— EDUC 2301 Introduction to Special Populations	3
	13
Total Semester Credit Hours for Degree	60

* 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 8th to 12th–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 | • Mathematics |
| • Physical Science | • Mathematics & Physics |
| • Speech | • Mathematics & Physical Science |
| • Technology Applications | • Science |

EC–Grade 12 Certification Areas

- | | |
|----------------------|------------|
| • Art | • Theatre |
| • Music | • Business |
| • Physical Education | • English |

FIRST SEMESTER	SCH
— ENGL 1301 English Composition I	3
— HIST ---- Social/Behavioral Science: History	3
— ---- ---- Natural Science	4
— ---- ---- Specialization*	3
	13

SECOND SEMESTER	SCH
— ENGL 1302 English Composition II*	3
— HIST ---- Social/Behavioral Science: History	3
— MATH ---- Math#	3
— ---- ---- Natural Science	4
— ---- ---- Specialization*	3
	16

THIRD SEMESTER	SCH
— GOVT 2301 American Government I or	
— GOVT 2302 American Government II	3
— ---- ---- Humanities: Visual/Performing Arts	3
— SPCH 1315 Principles of Public Speaking	3
— ---- ---- Specialization*	3
— EDUC 1301 Introduction to the Teaching Profession	3
	15

FOURTH SEMESTER	SCH
— GOVT 2301 American Government I or	
— GOVT 2302 American Government II	3
— ---- ---- Humanities: Other	3
— ---- ---- Social/Behavioral Science: Other	3
— KINE ---- Health, Wellness & Kinesiology	1
— EDUC 2301 Introduction to Special Populations	3
— ---- ---- Specialization*	3
	16
Total Semester Credit Hours for Degree	60

* Minimum of 9 SCHs

College Algebra recommended

Associate of Applied Science in Child Development-EDCD2

Students will be prepared for entry-level positions working with young children and their families. A developmental approach is emphasized, which promotes optimal physical, cognitive, social, and emotional growth of children.

FIRST SEMESTER	SCH
— TECA 1311 Educating Young Children	3
— CDEC 1319 Child Guidance	3
— ENGL 1301 English Composition I	3
— CDEC 1313 Curriculum Resources for Early Childhood Program	3
— ---- ---- Elective *	3
	15

SECOND SEMESTER	SCH
— CDEC 1356 Emergent Literacy for Early Childhood	3
— CDEC 1359 Children with Special Needs	3
— ---- ---- Humanities/Fine Arts	3
— CDEC 1323 Observation and Assessment	3
— CDEC 2326 Administration of Programs for Young Children I	3
— ---- ---- Elective*	3
	18

THIRD SEMESTER	SCH
— CDEC 2307 Math and Science for Early Childhood	3
— TECA 1303 Family, School, and Community	3
— SPCH ---- Oral Communications	3
— MATH 1332 Contemporary Math	3
	or
— MATH 1414 College Algebra	3/4
— TECA 1354 Child Growth and Development	3
	15/16

FOURTH SEMESTER	SCH
— TECA 1318 Wellness of the Young Child	3
— CDEC 2328 Administration of Program for Young Children II	3
— ●CDEC 2366 Practicum (or Field Experience) - Child Care Provider/Assistant	3
— ---- ---- Social/Behavioral Science	3
— ---- ---- Elective*	3
	15

Total Semester Credit Hours for Degree **63/64**

Note: if wanting to continue towards a bachelor's degree, core courses are recommended. See counselor for advising.

Pending Coordinating Board Approval

Certificate of Completion in Child Development Associate Training Marketable Skills-EDCDM1

FIRST SEMESTER	SCH
— CDEC 1317 Child Development Associate Training I	3
— CDEC 2322 Child Development Associate Training II	3
— CDEC 1313 Child Development Associate Training III	3
Total Semester Credit Hours for Certificate	9

ELECTRICAL TECHNOLOGY

Associate of Applied Science in Electrical Technology–IE2

Certificate of Completion in Electrical Technology–IE1

FIRST SEMESTER

—	ELPT	1325	National Electrical Code I
—	ELPT	1419	Fundamentals of Electricity I
—	TECM	1341	Technical Algebra
—	ELPT	2331	AC/DC Drives
—	----	----	Natural Science/Mathematics

SECOND SEMESTER

—	ELPT	1420	Fundamentals of Electricity II
—	ELPT	1455	Electronic Applications
—	TECM	1349	Technical Math Applications
—	ENGL	1301	English Composition I
			or
—	BUSI	1304	Business Report Writing & Correspondence
—	----	----	Humanities/Fine Art

THIRD SEMESTER

—	ELPT	2405	Motors & Transformers
—	ELPT	2319	Programmable Logic Controllers
—	SPCH	1315	Principles of Public Speaking
—	----	----	Elective
—	ELPT	1445	Commercial Wiring

FOURTH SEMESTER

—	●ELPT	1441	Motor Control
—	ELPT	----	Elective*
—	----	----	Social/Behavioral Science
—	----	----	Elective

Total Semester Credit Hours for Degree

* *Electrical Studies elective may be chosen from ELPT 1321, 2301, 2325, 2355, 2380, or others as approved by Lead Instructor.*

SCH

3	—	ELPT	1325	National Electrical Code I	SCH	3
4	—	ELPT	1419	Fundamentals of Electricity I		4
3	—	ELPT	----	Elective*		3
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4	—	ELPT	1420	Fundamentals of Electricity II		4
4	—	ELPT	1455	Electronic Applications		4
4	—	ELPT	2405	Motors & Transformers		4
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3						
3	—	ELPT	2319	Programmable Logic Controllers I		3
	—	ELPT	1445	Commercial Wiring		4
	—	●ELPT	1441	Motor Control		4
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ENGLISH

Associate of Arts in English–EN4

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

FIRST SEMESTER			SCH
—	ENGL 1301	English Composition I	3
—	SPAN 1411	Beginning Spanish	4
—	HIST - - - -	Social/Behavioral Science: History	3
—	MATH 1414	College Algebra	
		or	
—	MATH 1332	Contemporary Mathematics I	3/4
—	KINE - - - -	Health, Wellness & Kinesiology	1
			14/15
SECOND SEMESTER			
—	ENGL 1302	English Composition II	3
—	SPAN 1412	Intermediate Spanish	4
—	HIST - - - -	Social/Behavioral Science: History	3
—	SPCH 1315	Principles of Public Speaking	3
—	- - - -	Elective	3
			16
THIRD SEMESTER			
—	GOVT 2301	American Government I	3
—	ENGL - - - -	Sophomore Literature	3
—	- - - -	Social/Behavioral Science: Other	3
—	- - - -	Natural Science	4
—	- - - -	Humanities: Visual/Performing Arts	3
			16
FOURTH SEMESTER			
—	GOVT 2302	American Government II	3
—	- - - -	Humanities: Other	3
—	- - - -	Natural Science	4
—	ENGL - - - -	Sophomore Literature	3
—	- - - -	Elective	3
			16
Total Semester Credit Hours for Degree			62/63

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 can 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 four-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

— COSC	1300	Introduction to Computing	SCH	3
— GAME	1306	Design & Creation of Games		3
— GAME	1302	Interactive Storyboarding		3
— ARTC	1453	Computer Illustration		4
— COSC	1436	Programming Fundamentals I		4
				17

SECOND SEMESTER

— GAME	1301	Computer Ethics		3
— GAME	1304	Level Design		3
— GAME	1336	Introduction to 3D Game Modeling (artist) *		3
		or		
— COSC	1437	Programming Fundamentals II (programmer) **		3/4
— ARTC	2440	Computer Illustration II		4
— IMED	1445	Interactive Digital Media I		4
				17/18

THIRD SEMESTER

— ARTV	1341	3-D Animation I (artist) *		3
		or		
— GAME	2344	DirectX Programming (programmer) **		3
— GAME	2332	Project Development I		3
— ENGL	1301	English Composition I		3
— ----	----	Natural Science/Mathematics (artist) *		3
		or		
— MATH	1414	College Algebra (programmer) **		4
— ----	----	Elective ***		3/4
				16/17

FOURTH SEMESTER

— SPCH	----	Oral Communications		3
— ----	----	Social/Behavioral Science		3
— ----	----	Humanities/Fine Arts		3
— IMED	2311	Portfolio Development		3
— GAME	2325	3-D Animation II - Character Setup (artist) *		3
		or		
— MATH	1324	Finite Math with Business Applications (programmer) **		3
— ●GAME	2334	Project Development II		3
				18
Total Semester Credit Hours for Degree				68/70

* Choices for Artist track

** Choices for Programmer track

*** Elective to be chosen from ENGL 1302, 2307, GAME 1394, 2338, 2386, 2387, 2402, or other course appropriate to degree.

Certificate of Completion in Game Specialist–GAS1

FIRST SEMESTER

— COSC	1300	Introduction to Computing	SCH	3
— GAME	1306	Design & Creation of Games		3
— GAME	1302	Interactive Storyboarding		3
— ARTC	1453	Computer Illustration		4
— COSC	1436	Programming Fundamentals I		4
				17

SECOND SEMESTER

— GAME	1301	Computer Ethics		3
— GAME	1304	Level Design		3
— ●GAME	1336	Introduction to 3D Game Modeling *		3
		or		
— ●COSC	1437	Programming Fundamentals II **		3/4
— ARTC	2440	Computer Illustration II		4
— IMED	1445	Interactive Digital Media I		4
				17/18

Total Semester Credit Hours for Certificate

34/35

Certificate of Completion in Game Designer–GAD1

FIRST SEMESTER

— COSC	1300	Introduction to Computing	SCH	3
— GAME	1306	Design & Creation of Games		3
— GAME	1302	Interactive Storyboarding		3
— ARTC	1453	Computer Illustration		4
— ●COSC	1436	Programming Fundamentals I		4
				17

Total Semester Credit Hours for Certificate

17

● 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. Core and Field of Study courses are shown in bold and 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 fourteen 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 sub-section 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
— ITSC 1309	Integrated Software Applications I	3
— GISC 1311	Introduction to Geographic Information System	3
— GISC 2311	Geographic Information Systems (GIS) Applications	3
— ENGL 1301	English Composition I	3
— ----	Natural Science/Mathematics	4
		16
SECOND SEMESTER		
— GISC 1321	Introduction to Raster-Based (GIS)	3
— GISC 2301	Data Acquisition & Analysis in (GIS)	3
— GISC 1391	Special Topics in Cartography	3
— ITSW 2337	Advanced Database	3
— COSC 1436	Programming Fundamentals I	4
		16
THIRD SEMESTER		
— GISC 2303	Fundamentals of Logistics with (GIS)	3
— GISC 2320	Intermediate Geographic Information Systems (GIS)	3
— MATH 1414	College Algebra	4
— GISC 2402	(GIS) Design with Raster Analysis	4
— ENGL 2311	Technical Writing	3
		17
FOURTH SEMESTER		
— MATH 2442	Elementary Statistics	4
— SPCH 1321	Business & Professional Communication	3
— ----	Social/Behavioral Science	3
— ----	Humanities/Fine Arts	3
— ●GISC 2359	Web-Served (GIS)	3
	or	
— GISC 2380	Cooperative Education - Cartography	3
		16
Total Semester Credit Hours for Degree		65

Certificate of Completion in Geographic Information Systems Technician–GIST1

FIRST SEMESTER		SCH
— GISC 1311	Introduction to Geographic Information System	3
— GISC 2311	Geographic Information Systems (GIS) Applications	3
		6
SECOND SEMESTER		
— GISC 1321	Introduction to Raster-Based (GIS)	3
— GISC 2301	Data Acquisition & Analysis in (GIS)	3
— ●GISC 1391	Special Topics in Cartography	3
		9
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 2311	Geographic Information Systems (GIS) Applications	3
— GISC 2303	Fundamentals of Logistics with (GIS)	3
		9
SECOND SEMESTER		
— GISC 1321	Introduction to Raster-Based (GIS)	3
— GISC 2301	Data Acquisition & Analysis in (GIS)	3
— ●GISC 1391	Special Topics in Cartography	3
— GISC 2402	(GIS) Design with Raster Analysis	4
— GISC 2320	Intermediate Geographic Information Systems (GIS)	3
		16
Total Semester Credit Hours for Certificate		25

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
—♦	ITSC	1309	Integrated Software Applications I	3
				6

SECOND SEMESTER

—	ENGL	1301	English Composition I	3
—	BIOL	2401	Human Anatomy & Physiology I	4
—	HITT	1349	Pharmacology	3
—	HITT	1301	Health Data Content & Structure	3
—	HITT	1345	Health Care Delivery Systems	3
				16

THIRD SEMESTER

—	BIOL	2402	Human Anatomy & Physiology II	4
—	MRMT	1307	Medical Transcription I	3
—	HITT	1341	Coding & Classification Systems	3
—	HPRS	2301	Pathophysiology	3
—	PSYC	2301	Introduction to Psychology	3
				16

FOURTH SEMESTER

—	HITT	2160	Clinical: Health Information/Medical Records Technology/Technician	1
—	SPCH	-----	Oral Communications	3
				4

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 Information	3
—	HITT	2335	Coding & Reimbursement Methodologies	3
				15

SIXTH SEMESTER

				SCH
—	HITT	2339	Health Information Organization & Supervision	3
—	HITT	2343	Quality Assessment & Performance Improv.	3
—●	HITT	2261	Clinical - Health Information/Medical Records Technology/Technician	2
—	ENGL	1302	English Composition II	3
—	----	----	Humanities/Fine Arts	3
				14
			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. This certificate can be completed in one year by attending full-time.

The Lee College Certificate Program provides approved curriculum 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 Health Care 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 health care 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
				13

SECOND SEMESTER

—	MRMT	1307	Medical Transcription I	3
—	ENGL	1301	English Composition I	3
—	POFT	1301	Business English	3
—	POFT	2301	Intermediate Keyboarding	3
				12

THIRD SEMESTER

—	MRMT	2433	Medical Transcription II	4
—●	MRMT	1167	Practicum (or Field Experience): Medical Transcription/Transcriptionist	1
—	HITT	1353	Legal & Ethical Aspects of Health Information	3
—	POFT	2312	Business Correspondence & Communication	3
				11

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. Core and Field of Study courses are shown in bold and 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 & Physiology I	4
— HITT	1301	Health Data Content & Structure	3
			13
SECOND SEMESTER			
— BIOL	2402	Human Anatomy & Physiology II	4
— HITT	1341	Coding & Classification Systems	3
— HPRS	2301	Pathophysiology	3
— HITT	1349	Pharmacology	3
			13
THIRD SEMESTER			
— HITT	2335	Coding & Reimbursement Methodologies	3
— HITT	1353	Legal & Ethical Aspects of Health Information	3
— ●HITT	2161	Clinical - Health Information/Medical Records Technology/Technician	1
			7
Total Semester Credit Hours for Certificate			33

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 (health care 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 health care 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 Degree in a health care 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 & Structure	3
— BIOL	2401	Human Anatomy & Physiology I	4
— ----	----	Written Communication	3
			16
SECOND SEMESTER			
— HITT	1355	Health Care Statistics	3
— HITT	1307	Cancer Data Management I	3
— HITT	1349	Pharmacology	3
— BIOL	2402	Human Anatomy & Physiology II	4
— HITT	2339	Health Information Organization & Supervision	3
			16
THIRD SEMESTER			
— HITT	2343	Quality Assessment & Performance Improv.	3
— HPRS	2301	Pathophysiology	3
— HITT	2307	Cancer Data Management II	3
— HITT	1353	Legal & Ethical Aspects of Health Information	3
— HITT	1261	Clinical - Health Information/Medical Records Technology/Technician	2
			14
Total Semester Credit Hours for Certificate			46

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
—	ENGL 1301	English Composition I	3
—	-----	Natural Science	4
—	HIST	Social/Behavioral Science: History	3
—	MATH 1332	Contemporary Mathematics I	
		or	
—	MATH 1414	College Algebra	3/4
			13/14

SECOND SEMESTER			
—	ENGL 1302	English Composition II	3
—	-----	Natural Science	4
—	HIST	Social/Behavioral Science: History	3
—	-----	Communication: Other	3
—	-----	Humanities/Social Science Elective	3
			16

THIRD SEMESTER			
—	GOVT 2301	American Government I	3
—	ENGL	Sophomore Literature	3
—	-----	Social/Behavioral Science: Other	3
—	-----	Social/Behavioral Science Elective	3
—	-----	Humanities: Visual/Performing Arts	3
—	KINE	Health, Wellness & Kinesiology	1
			16

FOURTH SEMESTER			
—	GOVT 2302	American Government II	3
—	-----	Humanities: Other	3
—	-----	Humanities Elective*	3
—	-----	Elective	3
—	ENGL	Sophomore Literature	3
			15
Total Semester Credit Hours for Degree			60/61

* *HUMA Electives to be chosen from any course from the Core Curriculum under Humanities, including Visual/Performing Arts and other, that is not taken to fulfill another requirement.*

● 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. Core and Field of Study courses are shown in bold and underline type.

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

INDUSTRIAL SYSTEMS

Associate of Applied Science in Industrial Systems Technician–IS2

Certificate of Completion in Industrial Systems - Machinist–MC1

FIRST SEMESTER	SCH
— MCHN 1391 Special Topics in Machinist/Machine Technologist: Machine Parts Metrology & Design	3
— DFTG 1325 Blueprint Reading and Sketching	3
— MCHN 1452 Intermediate Machining I	4
— MCHN 1425 Millwright I	4
— TECM 1349 Technical Math Applications	3
17	
SECOND SEMESTER	
— MCHN 1454 Intermediate Machining II	4
— MCHN 2441 Advanced Machining I	4
— MCHN 1429 Millwright II	4
— MCHN 2405 Millwright III	4
16	
THIRD SEMESTER	
— HYDR 1345 Hydraulics and Pneumatics	3
— INMT 2303 Pumps, Compress Mechanical Drives or	
— MCHN 2407 Millwright IV or	
— MCHN 2403 Fundamentals of Computer Numerical Controlled (CNC) Machine Controls	3/4
— SPCH - - - - Oral Communications	3
— - - - - Social/Behavioral Science	3
12/13	
FOURTH SEMESTER	
— INMT 1311 Computer Integrated Manufacturing	3
— ● - - - - - - - - Capstone Elective*	3/4
— - - - - - - - - Natural Science/Mathematics	4
— - - - - - - - - Humanities/Fine Arts	3
— - - - - - - - - Written Communication	3
16/17	
61/63	
Total Semester Credit Hours for Degree	

FIRST SEMESTER	SCH
— MCHN 1391 Special Topics in Machinist/Machine Technologist: Machine Parts Metrology & Design	3
— MCHN 1452 Intermediate Machining I	4
7	
SECOND SEMESTER	
— MCHN 1454 Intermediate Machining II	4
— MCHN 2441 Advanced Machining I	4
— MCHN 2445 Advanced Machining II	4
12	
THIRD SEMESTER	
— ●MCHN 1416 Machine Tool Repair	4
4	
Total Semester Credit Hours for Certificate	
23	

Certificate of Completion in Industrial System - Millwright–MW1

FIRST SEMESTER	SCH
— MCHN 1391 Special Topics in Machinist/Machine Technologist: Machine Parts Metrology & Design	3
— MCHN 1425 Millwright I	4
7	
SECOND SEMESTER	
— MCHN 1429 Millwright II	4
— MCHN 2405 Millwright III	4
8	
THIRD SEMESTER	
— MCHN 1343 Machine Shop Mathematics	3
— HYDR 1345 Hydraulics & Pneumatics	3
— MCHN 2407 Millwright IV	4
10	
FOURTH SEMESTER	
— ●MCHN 2412 Millwright V	4
4	
Total Semester Credit Hours for Certificate	
29	

* Capstone electives: INMT 1380, MCHN 1416, 2412.

● 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. Core and Field of Study courses are shown in bold and 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

—	INTC	1312	Instrumentation & Safety	
—	INTC	1456	Instrumentation Calibration	
—	CETT	1302	Electricity Principles	
			or	
—	CETT	1325	Digital Fundamentals	
—	ITSC	1309	Integrated Software Applications I	
—	TECM	1341	Technical Algebra	

SECOND SEMESTER

—	INTC	1441	Principles of Automatic Control	4
—	CPMT	1303	Introduction to Computer Technology	
			or	
—	CPMT	1411	Introduction to Computer Maintenance	3/4
—	TECM	1349	Technical Math Applications	3
—	ENGL	1301	English Composition I	
			or	
—	BUSI	1304	Business Report Writing & Correspondence	
—	----	----	Humanities/Fine Art	

THIRD SEMESTER

—	INTC	1343	Application of Industrial Automatic Control	3
—	----	----	Elective*	3/4
—	SPCH	----	Oral Communications	3
—	INTC	2436	Distributed Control & Programmable Logic	4
—	----	----	Elective*	3/4

FOURTH SEMESTER

—	----	----	Natural Science/Mathematics	4
—	----	----	Social/Behavioral Science	3
—	●INTC	2450	Fieldbus Process Control Systems	4
—	----	----	Elective*	3/4

Total Semester Credit Hours for Degree **62/66**

* 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

—	INTC	1312	Instrumentation & Safety	SCH 3
—	INTC	1456	Instrumentation Calibration	4
—	TECM	1341	Technical Algebra	3
—	CETT	1302	Electrical Principles	
			or	
—	CETT	1325	Digital Principles	3

13

SECOND SEMESTER

—	CPMT	1303	Introduction to Computer Technology	SCH
			or	
—	CPMT	1411	Introduction to Computer Maintenance	3/4
—	INTC	1441	Principles of Automatic Control	4
—	INTC	1343	Application of Industrial Automatic Control	3
—	TECM	1349	Technical Math Applications	3

13/14

THIRD SEMESTER

—	INTC	2436	Distributed Control & Programmable Logic	4
—	●INTC	2450	Fieldbus Process Control Systems	4

8

Total Semester Credit Hours for Certificate **34/35**

Certificate of Completion in Industrial Instrumentation–IF1

FIRST SEMESTER

—	INTC	1305	Introduction to Instrumentation	SCH 3
—	INTC	1425	Instrument Hardware Installation I	4

7

SECOND SEMESTER

—	INTC	2405	Instrument Hardware Installation II	4
—	CETT	1307	Fundamentals of Electronics	3
—	INTC	1401	Principles of Industrial Measurements I	4

11

THIRD SEMESTER

—	●INTC	2410	Principles of Industrial Measurements II	4
---	-------	------	--	---

4

Total Semester Credit Hours for Certificate **22**

Certificate of Completion in Analytical Instrumentation–AT11

FIRST SEMESTER

—	TECM	1341	Technical Algebra	SCH 3
—	INTC	1312	Instrumentation & Safety	3
—	INTC	1456	Instrumentation Calibration	4
—	EPCT	1349	Environmental Regulation, Interpretation, & Applications	3
—	CTEC	1401	Applied Petrochemical Technology	4

17

SECOND SEMESTER

—	INTC	1348	Analytical Instrumentation	3
—	INTC	1441	Principles of Automatic Control	4
—	INTC	2471	Physical Properties Analyzers	4

11

THIRD SEMESTER

—	INTC	2472	Sample Systems	4
—	●INTC	2445	Advanced Analyzers	4

8

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. Core and Field of Study courses are shown in bold and underline type.

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

KINESIOLOGY/PHYSICAL EDUCATION

Associate of Science in Kinesiology/Physical Fitness–KI3

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) credit hours of kinesiology/physical education activity class 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.

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
— ENGL 1301 English Composition I	3
— HIST ---- Social/Behavioral Science: History	3
— MATH ---- Mathematics	3/4
— COSC 1300 Introduction to Computing	3
— KINE 1301 Foundations in Physical Education	3
— KINE ---- Health, Wellness, & Kinesiology	1
	16/17
SECOND SEMESTER	SCH
— ENGL 1302 English Composition II	3
— HIST ---- Social/Behavioral Science: History	3
— ---- ---- Humanities: Visual/Performing Arts	3
— ---- ---- Social Behavioral Science: Other	3
— KINE 1305 The Healthy American	3
— KINE ---- Elective	1
	16
THIRD SEMESTER	SCH
— BIOL 2401 Human Anatomy & Physiology I	4
— GOVT 2301 American Government I	3
— KINE 1306 First Aid	3
— KINE 2356 Care & Prevention of Athletic Injuries	3
— KINE 1321 Coaching Sports & Athletics	3
	16
FOURTH SEMESTER	SCH
— KINE 1338 Concepts of Physical Fitness	3
— BIOL 2402 Human Anatomy & Physiology II	4
— GOVT 2302 American Government II	3
— ---- ---- Communication: Other	3
— ---- ---- Humanities: Other	3
— KINE ---- Elective	1
	17
Total Semester Credit Hours for Degree	65/66

Associate of Science in Kinesiology/Health–KH3

The Associate of Science Degree in Kinesiology/Health prepares graduates for careers in health, wellness, physical or occupational therapy, exercise science, nutrition and physical education. Emphasis will be placed on understanding the relationship among nutrition, weight, control, and physical activity and their role in personal health.

The degree plan is designed to prepare the student for immediate job placement in the health and fitness industry. Students who intend to transfer to a four-year institution should consider the requirements of the senior college and plan their community college scholastic schedule accordingly.

FIRST SEMESTER	SCH
— ENGL 1301 English Composition I	3
— HIST ---- Social/Behavioral Science: History	3
— MATH ---- Mathematics	3/4
— COSC 1300 Introduction to Computing	3
— KINE 1301 Foundations in Physical Education	3
— KINE ---- Health, Wellness, & Kinesiology	1
	16/17
SECOND SEMESTER	SCH
— ENGL 1302 English Composition II	3
— HIST ---- Social/Behavioral Science: History	3
— ---- ---- Humanities: Visual/Performing Arts	3
— ---- ---- Social Behavioral Science: Other	3
— KINE 1305 The Healthy American	3
— KINE 1164 Introduction to Physical Fitness & Nutrition	1
	16
THIRD SEMESTER	SCH
— BIOL 2401 Human Anatomy & Physiology I ^	4
or	
— BIOL 1406 General Biology I	4
— GOVT 2301 American Government I	3
— KINE 1306 First Aid	3
— KINE 1346 Drug Use & Abuse	3
— KINE 1304 Personal Health & Nutrition	3
	16
FOURTH SEMESTER	SCH
— BIOL 2402 Human Anatomy & Physiology II *^	4
or	
— BIOL 1407 General Biology II **	4
— GOVT 2302 American Government II	3
— ---- ---- Communication: Other	3
— ---- ---- Humanities: Other	3
— KINE ---- Elective	1
	14
Total Semester Credit Hours for Degree	62/63

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

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

^ Students should strongly consider taking BIOL 2401 and 2402 if transferring to 4-year institutions as Kinesiology majors.

Associate of Science in Kinesiology/Recreation–KR3

The Associate of Science Degree in Kinesiology/Recreation is designed to introduce and educate students to the field of recreation and leisure along with career choices that are available. Recreation and leisure in a multifaceted field comprising the areas of parks, public recreation, non-profit organizations, commercial recreation and tourism, and therapeutic recreation.

This degree plan is designed to prepare students for immediate job placement in the recreation and leisure industry or transfer to a four-year institution for a specific emphasis on recreation and leisure. Students who intend to transfer to a four-year institution should consider the requirements of the senior college and plan their community college scholastic schedule accordingly.

FIRST SEMESTER	SCH
— ENGL 1301 English Composition I	3
— HIST ---- Social/Behavioral Science: History	3
— MATH ---- Mathematics	3/4
— COSC 1300 Introduction to Computing	3
— KINE 1301 Foundations in Physical Education	3
— KINE ---- Health, Wellness, & Kinesiology	1
	16/17
SECOND SEMESTER	
— ENGL 1302 English Composition II	3
— HIST ---- Social/Behavioral Science: History	3
— ---- ---- Humanities: Visual/Performing Arts	3
— ---- ---- Social Behavioral Science: Other	3
— KINE 1336 Introduction to Recreation	3
— KINE ---- Elective	1
	16
THIRD SEMESTER	
— BIOL 1406 General Biology I	
or	
— BIOL 2401 Human Anatomy & Physiology I ^	4
— GOVT 2301 American Government I	3
— KINE 1306 First Aid	3
— KINE 1321 Coaching Sports & Athletics	3
— KINE 1332 Elementary & Recreational Game Skills	3
	16
FOURTH SEMESTER	
— KINE 1305 The Healthy American	3
— BIOL 1407 General Biology II **	
or	
— BIOL 2402 Human Anatomy & Physiology II *^	4
— GOVT 2302 American Government II	3
— ---- ---- Communication: Other	3
— ---- ---- Humanities: Other	3
— KINE ---- Elective	1
	17
Total Semester Credit Hours for Degree	65/66

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

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

^ Students should strongly consider taking BIOL 2401 and 2402 if transferring to 4-year institutions as Kinesiology majors.

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
— ENGL 1301 English Composition I	3
— HUMA 1301 Introduction to the Humanities I	3
— GOVT 2301 American Government I	3
— KINE ---- Health, Wellness & Kinesiology	1
— ---- ---- Natural Science	4
	14
SECOND SEMESTER	
— ENGL 1302 English Composition II	3
— HUMA 1302 Introduction to the Humanities II	3
— ---- ---- Elective	3
— GOVT 2302 American Government II	3
— ---- ---- Natural Science	4
	16
THIRD SEMESTER	
— ENGL 2327 American Literature to 1860	3
— HIST 1301 History of the United States to 1877	3
— ---- ---- Social/Behavioral Science: Other	3
— ---- ---- Humanities: Visual/Performing Arts	3
— ---- ---- Elective	3
	15
FOURTH SEMESTER	
— ENGL 2328 American Literature: 1860 to Present	3
— HIST 1302 History of the United States Since 1877	3
— ---- ---- Elective	3
— MATH 1332 Contemporary Mathematics I	
or	
— MATH 1414 College Algebra	3/4
— ---- ---- Communication: Other	3
	15/16
Total Semester Credit Hours for Degree	60/61

Associate of Arts in Liberal Arts Mexican-American Studies – Option-MAS4

Mexican-American Studies is a program that combines Introduction to Mexican-American Studies (HUMA 1305) and Mexican-American literature (ENGL 2351). Through an interdisciplinary approach, students will study Mexican-American culture, art, literature, and ideology and gain an understanding of how the arts reflect historical events.

FIRST SEMESTER	SCH
— ENGL 1301 English Composition I	3
— HUMA 1301 Introduction to the Humanities I	3
— KINE ---- Health, Wellness, Kinesiology	1
— HIST 1301 History of the U.S. to 1877	3
— MATH 1332 Contemporary Mathematics I	
or	
— MATH 1414 College Algebra	3/4
	13/14
SECOND SEMESTER	
— ENGL 1302 English Composition II	3
— HUMA 1305 Intro. to Mexican American Studies	3
— ---- ---- Elective	3
— ---- ---- Natural Science	4
— HIST 1302 History of the U.S. Since 1877	3
	16
THIRD SEMESTER	
— ENGL 2351 Mexican-American Literature	3
— ---- ---- Social/Behavioral Science: Other	3
— ---- ---- Natural Science	4
— GOVT 2301 American Government I	3
— ---- ---- Elective	3
	16
FOURTH SEMESTER	
— ENGL 2331 Cross-Cultural Literature	
or	
— ENGL 2341 Forms of Literature Folklore	3
— ---- ---- Elective	3
— ---- ---- Communication: Other	3
— GOVT 2302 American Government II	3
— ---- ---- Humanities: Visual/Performing Arts	3
	15
Total Semester Credit Hours for Degree	60/61

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 fourteen universities in the State of Texas. Graduates from the Manufacturing Engineering Technology MET AAS program would have five optional; (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 4-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
— PTAC 1410 Process Technology I: Equipment	4
— MATH 1414 College Algebra	4
— PTAC 1308 Safety, Health & Environment I	3
— ENGL 1301 English Composition I	3
	14
SECOND SEMESTER	
— PTAC 1332 Process Instrumentation I	3
— CHEM 1411 General Chemistry I	4
— PHYS - - - - Physics Selection	4
— PTAC 2314 Principles of Quality	3
— - - - - Elective	3
	17
THIRD SEMESTER	
— - - - - Social/Behavioral Science	3
— PTAC 2438 Process Technology III: Operations	4
— MATH 2413 Calculus I with Analytic Geometry or	4
— SCIT 1414 Applied General Chemistry I	4
— PTAC 2420 Process Technology II Systems	4
	15
FOURTH SEMESTER	
— ENGT 2310 Introduction to Manufacturing Processes	3
— SPCH - - - - Oral Communications	3
— ●PTAC 2446 Process Troubleshooting	4
— - - - - Humanities/Fine Arts	3
— - - - - Elective	3
	16
Total Semester Credit Hours for Degree	62

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
— ENGL 1301 English Composition I	3
— HIST - - - - Social/Behavioral Science: History	3
— KINE - - - - Health, Wellness & Kinesiology	1
— MATH 2413 Calculus I with Analytic Geometry*	4
— CHEM 1411 General Chemistry I	4
	15
SECOND SEMESTER	
— ENGL 1302 English Composition II	3
— HIST - - - - Social/Behavioral Science: History	3
— MATH 2414 Calculus II with Analytic Geometry	4
— MATH 2418 Linear Algebra	4
— - - - - Humanities: Visual/Performing Arts	3
	17
THIRD SEMESTER	
— GOVT 2301 American Government I	3
— PHYS 2425 Mechanics and Heat**	4
— MATH 2415 Calculus III with Analytic Geometry	4
— MATH 2420 Differential Equations	4
— - - - - Social/Behavioral Science: Other	3
	18
FOURTH SEMESTER	
— GOVT 2302 American Government II	3
— - - - - Communications: Other	3
— - - - - Humanities: Other	3
— - - - - Natural Science**	4
— - - - - Elective	3
	16
Total Semester Credit Hours for Degree	66

* 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 1412, PHYS 2289, 2389, and 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. Core and Field of Study courses are shown in bold and 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 or 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
—	----	---- Social/Behavioral Science	3
—	DFTG 1409	Basic Computer - Aided Drafting	4
—	ENGR 1204	Engineering Graphics I or	
—	DFTG 1405	Technical Drafting	2/4
—	TECM 1349	Technical Math Applications*	3
—	ENTC 1191	Special Topics in Engineering, General	1
			13/15
SECOND SEMESTER			
—	DFTG 2419	Intermediate Computer - Aided Drafting	4
—	DFTG 1433	Mechanical Drafting	4
—	ENGL 1301	English Composition I	3
—	MCHN 1452	Intermediate Machining I	4
			15
THIRD SEMESTER			
—	----	---- Humanities/Fine Arts	3
—	INMT 1311	Computer Integrated Manufacturing	3
—	DFTG 2432	Advanced CAD	4
—	PHYS 1405	General Physics	4
—	ENGT 2307	Engineering Materials I	3
			17
FOURTH SEMESTER			
—	●INMT 2488	Internship - Manufacturing Technology	4
—	ARCE 2444	Statics and Strength of Materials	4
—	SPCH ----	Oral Communications	3
—	DFTG 2435	Advanced Technologies in Mechanical Design & Drafting	4
			15
Total Semester Credit Hours for Degree			60/62

* Students must check with transfer university to determine Physics/Math requirements. MATH 1414 College Algebra or higher may be substituted for TECM 1349.

Associate of Science in Mechanical Engineering Technology–ME3

FIRST SEMESTER			SCH
—	ENGL 1301	English Composition I	3
—	MATH 2413	Calculus I	4
—	ENGR 1204	Engineering Graphics I	2
—	COSC 1300	Introduction to Computing	3
—	GOVT 2301	American Government I	3
			15
SECOND SEMESTER			
—	ENGL 1302	English Composition II	3
—	MATH 2414	Calculus II	4
—	GOVT 2302	American Government II	3
—	ENGT 2307	Engineering Materials I	3
—	CHEM 1411	General Chemistry I	4
			17
THIRD SEMESTER			
—	----	---- Communications: Other	3
—	PHYS 1401	College Physics I or	
—	PHYS 2425	Mechanics & Heat	4
—	ENGT 2310	Introduction to Manufacturing Processes	3
—	HIST ----	Social/Behavioral Science: History	3
—	----	---- Humanities: Visual/Performing Arts	3
			16
FOURTH SEMESTER			
—	ENGL 2311	Technical Writing	3
—	PHYS 1402	College Physics II or	
—	PHYS 2426	Electricity, Optics, & Waves	4
—	----	---- Humanities: Other	3
—	HIST ----	Social/Behavioral Science: History	3
—	----	---- Social/Behavioral Science: Other	3
—	KINE ----	Health, Wellness & Kinesiology	1
			17
Total Semester Credit Hours for Degree			65

Certificate of Completion in Mechanical Engineering Technology–MET1

FIRST SEMESTER			SCH
—	ENTC 1191	Special Topics in Engineering/General	1
—	ENGR 1204	Engineering Graphics I or	
—	DFTG 1405	Technical Drafting	2/4
—	DFTG 1409	Basic Computer - Aided Drafting	4
—	MCHN 1452	Intermediate Machining I	4
—	ENGT 2307	Engineering Materials I	3
			14/16
SECOND SEMESTER			
—	●INMT 2488	Internship - Manufacturing Technology	4
—	DFTG 2419	Intermediate Computer - Aided Drafting	4
—	DFTG 1433	Mechanical Drafting	4
—	INMT 1311	Computer Integrated Manufacturing	3
			15
Total Semester Credit Hours for Certificate			29/31

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 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

— DAAC	1319	Introduction to Alcohol & Other Drug Addictions	3
— DAAC	1304	Pharmacology of Addiction	3
— ENGL	1301	English Composition I	3
— PSYC	2301	Introduction to Psychology	3
— SOCI	1301	Introductory Sociology	3
			15

SECOND SEMESTER

— DAAC	1311	Counseling Theories	3
— DAAC	1317	Basic Counseling Skills	3
— ENGL	1302	English Composition II	3
or			
— ENGL	2311	Technical Writing	3
— ----	----	Social/Behavioral Science	3
— ITSC	1309	Integrated Software Applications I	3
			15

THIRD SEMESTER

— DAAC	1309	Assessment Skill of Alcohol & Other Drug Addictions	3
— ----	----	Natural Science/Mathematics	4
— SPCH	----	Oral Communications	3
— DAAC	2354	Dynamics of Group Counseling	3
			13

FOURTH SEMESTER

— ----	----	Elective*	3
— DAAC	2341	Counseling Alcohol & Other Drug Addictions	3
— DAAC	2280	Cooperative Education - Substance Abuse/Addiction Counseling	2
— ----	----	Social/Behavioral Science	3
— ----	----	Humanities/Fine Art	3
			14

FIFTH SEMESTER

— DAAC	2343	Current Issues	3
— DAAC	2307	Addicted Family Intervention	3
— ● DAAC	2281	Cooperative Education - Substance Abuse/Addiction Counseling	2
— ----	----	Elective*	3
			11

Total Semester Credit Hours for Degree **68**

* 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 certificate.

FIRST SEMESTER

— DAAC	1319	Introduction to Alcohol & Other Drug Addictions	3
— DAAC	1304	Pharmacology of Addiction	3
— DAAC	1311	Counseling Theories	3
			9

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
			9

THIRD SEMESTER

— DAAC	2354	Dynamics of Group Counseling	3
— DAAC	2343	Current Issues	3
— DAAC	2280	Cooperative Education - Substance Abuse/Addiction Counseling	2
			8

FOURTH SEMESTER

— DAAC	2341	Counseling Alcohol and Other Drug Addictions	3
— ● DAAC	2281	Cooperative Education - Substance Abuse/Addiction Counseling	2
			5

Total Semester Credit Hours for Certificate **31**

Certificate of Completion in Substance Abuse Prevention—SAP1

FIRST SEMESTER

— DAAC	1319	Introduction to Alcohol & Other Drug Addictions	3
— DAAC	1304	Pharmacology of Addiction	3
— DAAC	2306	Substance Abuse Prevention I	3
			9

SECOND SEMESTER

— DAAC	1317	Basic Counseling Skills	3
— DAAC	2353	Substance Abuse Prevention II	3
— DAAC	1391	Special Topics in Alcohol/Drug Abuse Counseling - Substance Abuse Prevention Issues	3
— ● DAAC	1280	Cooperative Education - Substance Abuse/Addiction Counseling	2
			11

Total Semester Credit Hours for Certificate **20**

● 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. **Core and Field of Study courses** are shown in bold and 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. Student 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	Electric Guitar	Freshman

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 objective 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, 2202	Strings-Violin
MUAP 1105, 1106, 2105, 2106,	1205, 1206, 2205, 2206	Strings-Viola
MUAP 1109, 1110, 2109, 2110,	1209, 1210, 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, 1122, 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, 1146, 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-Electric Guitar

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

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

THIRD SEMESTER		SCH
— MUSI	2311	<u>Music Theory III*</u> 3
— MUSI	2116	<u>Advanced Sight Singing & Ear Training I*</u> 1
— MUSI	2181	Class Piano (or Applied Piano) 1
— MUEN	2141	<u>Lee College Concert Choir</u>
		or
— MUEN	1153	<u>Chamber Choir</u>
		or
— MUEN	2135	<u>Jazz Ensemble</u>
		or
— MUEN	2123	<u>Baytown Symphony Orchestra</u>
		or
— MUEN	2125	<u>Concert Band</u> 1
— MUAP	22--	<u>Applied Music</u> 2
— GOVT	2301	<u>American Government I</u> 3
— MATH	----	<u>Mathematics***</u> 3
— ----	----	<u>Communication: Other</u> 3
		17

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

* Course offered in fall semester only.

** Course offered in spring semester only.

*** Math to be chosen from MATH 1316, 1324, and 1332.

**** Electives to be chosen from MUSI, MUAP, MUEN

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. 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 con-current 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. Core and Field of Study courses are shown in bold and 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) 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 Performance/Lecture Seminar that includes lectures, performance 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 & 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
	17

SECOND SEMESTER	SCH
— MUSI 1312 Music Theory II**	3
— MUSI 1117 Elementary Sight Singing & 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
	16

THIRD SEMESTER	SCH
— MUSI 2311 Music Theory III*	3
— MUSI 2116 Advanced Sight Singing & Ear Training I*	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
	16

FOURTH SEMESTER	SCH
— MUSI 2312 Music Theory IV**	3
— MUSI 2117 Advanced Sight Singing & 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	2
— GOVT 2302 American Government II	3
— ---- Natural Science	4
— ---- Elective*****	3
	17
Total Semester Credit Hours for Degree	66

* Course offered in fall semester only.

** Course offered in spring semester only.

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

**** MATH to be chosen from MATH 1316, 1324, and 1332.

***** Electives to be chosen from MUSI, MUAP, MUEN

NATURAL SCIENCES

Associate of Science in Natural Science–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
—	ENGL 1301	English Composition I	3
—	HIST	Social/Behavioral Science: History	3
—	MATH 1414	College Algebra (or higher)#	4
—	-----	Natural Science	4
—	-----	Communication: Other	3
			17
SECOND SEMESTER			
—	ENGL 1302	English Composition II	3
—	HIST	Social/Behavioral Science: History	3
—	-----	Natural Science	4
—	-----	Elective	3
—	-----	Natural Science*	3/4
			16/17
THIRD SEMESTER			
—	GOVT 2301	American Government I	3
—	---	Social/Behavioral Science: Other**	3
—	-----	Natural Science*	3/4
—	-----	Natural Science*	3/4
—	-----	Humanities: Visual/Performing Arts	3
			15/17
FOURTH SEMESTER			
—	-----	Humanities: Other	3
—	GOVT 2302	American Government II	3
—	KINE	Health, Wellness & Kinesiology	1
—	-----	Natural Science*	3/4
—	-----	Elective***	3
			13/14
Total Semester Credit Hours for Degree			61/65

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, 2289, 2305, 2389, 2401, 2402, 2421

CHEM 1411, 1412, 1475, 2289, 2389, 2423, 2425

PHYS 1401, 1402, 1411, 1412, 2289, 2389, 2425, 2426

GEOL 1403, 1404, 1405, 2289, 2389 or ENVR 1401, 1402

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

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

*** Pre-BSN Nursing students should take PSYC2317 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. Core and Field of Study courses are shown in bold and underline type.

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

NURSING

Associate of Applied Science in Nursing Program - Tech Prep-AD2

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, Inc. 3343 Peachtree Road NE, Suite 500 Atlanta, Georgia 30326.

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

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 Nursing Office or the Counseling Center for an application packet).**

Students are required 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 Nursing Office for details
- Drug testing. See Nursing 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 Nursing Office for most current requirements including:

- Preadmission testing
- 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 RN degree plan attempts, at other schools and Lee College, **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.bon.state.tx.us for further information and forms.

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

*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			
—	PSYC 2314	Life Span Growth & Development*	3
—	RNSG 1413	Foundations for Nursing Practice	4
—	RNSG 1205	Nursing Skills I	2
—	RNSG 1247	Concepts of Clinical Decision-Making	2
—	RNSG 1261	Clinical-Nursing: Registered Nurse Training	2
—	BIOL 2402	Human Anatomy & Physiology II*	4
			17

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

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

FIFTH SEMESTER			
—	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
			9

SIXTH SEMESTER			
—	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 & Ethical Issues for Nurses	1
			8

Total Semester Credit Hours for Degree **72**

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

Associate of Applied Science in Nursing - Transitional Entry-TN2

Applications are taken year-round. Students are strongly encouraged to turn in applications by **January 10 for spring admission and August 1 for fall admission. No Applications will be accepted without documentation of the state required immunizations. (Contact the Nursing Office or Counseling Center for an application packet).**

Students are required to make application to Lee College before applying to the nursing program. Students are responsible for furnishing official transcript(s) to the Admission 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 Nursing Office for details
- Drug testing. See Nursing 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 Nursing Office for most current requirements including:

- Preadmission testing
- 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 RN degree plan attempts, at other schools and Lee College, **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.bon.state.tx.us for further information and forms.

Transitional Entry Prerequisites:

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

FIRST SEMESTER	SCH
— BIOL 2401 Human Anatomy & Physiology I	4
— ITSC 1309 Integrated Software Applications I	3
— ENGL 1301 English Composition I	3
— PSYC 2301 Introduction to Psychology	3
	13

SECOND SEMESTER

— BIOL 2402 Human Anatomy & Physiology II	4
— ENGL 1302 English Composition II	3
— PSYC 2314 Life Span Growth & Development	3
— ---- ---- Humanities/Fine Arts*	3
— SPCH ---- Oral Communications*	3
	16

THIRD SEMESTER

— BIOL 2421 Microbiology	4
— RNSG 1413 Foundations for Nursing Practice #	4
— RNSG 1205 Nursing Skills I#	2
— RNSG 1247 Concepts of Clinical Decision-Making #	2
— RNSG 1261 Clinical-Nursing: Registered Nurse Training #	2
— RNSG 2207 Transition to Nursing Practice	2
	16

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.

FOURTH SEMESTER

	SCH
— RNSG 1343 Complex Concepts of Adult Health ##	3
— RNSG 1362 Clinical- Nursing: Registered Nurse Training ##	3
— RNSG 2201 Care of Children & Families ##	2
— RNSG 2161 Clinical - Nursing: Registered Nurse Training ##	1
	9

FIFTH SEMESTER

— 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
	9

SIXTH SEMESTER

— 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 & Ethical Issues for Nurses	1
	8

Total Semester Credit Hours for Degree **71**

* *These concepts 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, 1247, 1261, 1413.

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

Bachelor of Science Nursing Program

Lee College does not grant nursing baccalaureate degrees; however, through a HRSA grant with Lamar University, our students' articulation into their RN-BSN track is facilitated. Students interested in the Lamar RN-BSN track upon completion of Lee's ADN program should contact <http://dept.lamar.edu/cde>.

Lee College also maintains a long standing articulation agreement with the University of Texas Health Science Center - Houston for RN-BSN education for our ADN graduates.

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 Vocational Nursing Program is accredited by the Board of Nurse Examiners for the State of Texas.

Admission to the Vocational Nursing Program is based on accrual of points for meeting the following requirements within the stated time frame:

Required Points

- Applying for admission to Lee College and submitting an official transcript to the Admissions and Records Office from all colleges attended. An official high school transcript or GED certificate must be sent as well.
- Completing a VN Program application in the Nursing Office.
- Submitting a copy of high school diploma or GED certificate to the Nursing Office.
- Submitting a VN degree plan signed by a Lee College Counselor to the Nursing Office.
- Submitting a statement of documented reading level after evaluated in Counseling Center.
- Completing Lee College assessment/placement tests and developmental courses, if required.
- Demonstrating competencies in Allied Health Math 350 (formerly 210) or “C” or better on advance placement test for MATH 350.
- Attending mandatory information session with VN faculty member.

Bonus Points

See the Nursing 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).
- 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 HITT 1305 which is required during the fall semester of the VN program).
- HITT 1305: Medical Terminology I. (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 350 and HITT 1305) - (4.0=1 point; 3.9-3.0=.75 point; 2.9-2.0=.50 points).

Applications are taken year round; students are encouraged to apply by February 1 for fall entry. A VN admission packet may be obtained in the Nursing Office or the Counseling Center. No points are calculated for admission after May 30. 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.bon.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
		17
SECOND SEMESTER		
—	HITT 1305 Medical Terminology I	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
		18
THIRD SEMESTER		
—	VNSG 1330 Maternal - Neonatal Nursing	3
—	VNSG 1219 Leadership & Professional Development	2
—	VNSG 2431 Advanced Nursing Skills	4
—	• VNSG 2361 Clinical - Licensed Vocational Nurse (LVN) Training	3
		12
Total Semester Credit Hours for Certificate		47

• 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. Core and Field of Study courses are shown in bold and 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-PA2

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
—	ENGL 1301	English Composition I	3
—♦	POFI 1401	Computer Applications I	4
—	LGLA 1307	Introduction to Law & the Legal Professions	3
—	LGLA 1301	Legal Research & Writing	3
—	LGLA 1355	Family Law	3
			16

SECOND SEMESTER			SCH
—	SPCH 1315	Principles of Public Speaking	3
—	-----	Humanities/Fine Arts	3
—	ENGL 1302	English Composition II	3
—	LGLA 1353	Wills, Trusts & Probate Administration	3
—	LGLA 1351	Contracts	3
—	LGLA 1345	Civil Litigation	3
			18

THIRD SEMESTER			SCH
—	GOVT 2301	American Government I	3
—	LGLA 2303	Torts & Personal Injury Law	3
—	LGLA -----	Elective+	3
—	LGLA 2309	Real Property	3
—	POFT 1309	Administrative Office Procedures I	3
—	POFT 2301	Immediate Keyboarding	3
			18

FOURTH SEMESTER			SCH
—	-----	Natural Science/Mathematics	4
—	ACNT 1303	Introduction to Accounting I	3
			or
—	BUSI 1307	Personal Finance	3
—	LGLA -----	Elective+	3
—	LGLA -----	Elective+	3
—●	LGLA 2333	Advanced Legal Document Preparation	3
			or
—●	LGLA 2389	Internship - Legal Assistant/Paralegal	3
—	POFT 1132	Workplace Diversity	1
			17
Total Semester Credit Hours for Degree			69

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

Certificate of Completion in Paralegal Studies-PA1

FIRST SEMESTER			SCH
—	LGLA 1301	Legal Research & Writing*	3
—	LGLA 1307	Introduction to Law & the Legal Professions	3
—	LGLA 1355	Family Law*	3
—	LGLA -----	Elective	3
			12

SECOND SEMESTER			SCH
—	LGLA 1345	Civil Litigation*	3
—	LGLA 1351	Contracts	3
—	LGLA 1353	Wills, Trusts & Probate Administration*	3
—	LGLA -----	Elective	3
			12

THIRD SEMESTER			SCH
—	LGLA 2303	Torts & Personal Injury Law	3
—	LGLA 2309	Real Property*	3
—●	LGLA 2333	Advanced Legal Document Preparation©*	3
			9

Total Semester Credit Hours for Certificate **33**

©Capstone course must be taken in the last semester of course work.

* Legal specialty course.

Note: ABA requires 18 semester hours of legal specialty course work.

PIPEFITTING

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

FIRST SEMESTER		SCH
— PFPB 1350	Plumbing & Pipefitting Equipment and safety	3
— PFPB 1408	Basic Pipefitting Skills	4
— TECM 1349	Technical Math Applications	3
— ♦ITSC 1309	Integrated Software Applications I	3
— -----	Natural Science/Mathematics	4
		17
SECOND SEMESTER		
— SPCH -----	Oral Communications	3
— PFPB 1305	Basic Blueprint Reading for Pipefitters	3
— PFPB 2407	Pipe Fabrication & Installation I	4
— -----	Written Communication	3
— -----	Humanities/Fine Arts	3
		16
THIRD SEMESTER		
— PFPB 2408	Piping Standards & Materials	4
— PFPB 2310	Intermediate Blueprint Reading for Pipefitters	3
— PFPB 2441	Pipe Fabrication & Installation II	4
— BMGT 1307	Team Building	3
— -----	Elective	3
		17
FOURTH SEMESTER		
— ●PFPB 2343	Advanced Pipe Practices	3
— -----	Social/Behavioral Science	3
— PFPB 2449	Field Measuring, Sketching & Layout	4
— -----	Elective	3
		13
Total Semester Credit Hours for Degree		63

Certificate of Completion in Pipefitter Helper–PH1

FIRST SEMESTER		SCH
— PFPB 1350	Plumbing & Pipefitting Equipment and safety	3
— PFPB 1408	Basic Pipefitting Skills	4
		7
SECOND SEMESTER		
— PFPB 1305	Basic Blueprint Reading for Pipefitters	3
— PFPB 2407	Pipe Fabrication & Installation I	4
		7
THIRD SEMESTER		
— ●PFPB 2310	Intermediate Blueprint Reading for Pipefitters	3
Total Semester Credit Hours for Certificate		17

Certificate of Completion in Pipefitting Technology–PF1

FIRST SEMESTER		SCH
— PFPB 1350	Plumbing & Pipefitting Equipment and safety	3
— PFPB 1408	Basic Pipefitting Skills	4
		7
SECOND SEMESTER		
— PFPB 1305	Basic Blueprint Reading for Pipefitters	3
— PFPB 2407	Pipe Fabrication & Installation I	4
		7
THIRD SEMESTER		
— PFPB 2408	Piping Standards & Materials	4
— PFPB 2310	Intermediate Blueprint Reading for Pipefitters	3
— PFPB 2441	Pipe Fabrication & Installation II	4
		11
FOURTH SEMESTER		
— ●PFPB 2343	Advanced Pipe Practices	3
		3
Total Semester Credit Hours for Certificate		28

● 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. Core and Field of Study courses are shown in bold and 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

—♦PTAC	1302	Introduction to Process Technology	SCH	3
—♦PTAC	1308	Safety, Health & Environment I		3
— PTAC	1410	Process Technology I - Equipment		4
— PTAC	1332	Process Instrumentation I		3
— SCIT	1414	Applied General Chemistry I		4
			17	

SECOND SEMESTER

— PTAC	2438	Process Technology III - Operations		4
— TECM	----	Technical Math Selection		3
— PTAC	2420	Process Technology II - Systems		4
— PTAC	2314	Principles of Quality		3
— ----	----	Elective*		3/4
			17/18	

THIRD SEMESTER

— PHYS	----	Physics Selection		4
— ----	----	Elective*		3/4
— ----	----	Written Communications		3
— SPCH	----	Oral Communications		3
			13/14	

FOURTH SEMESTER

—●PTAC	2446	Process Troubleshooting		4
— ENGT	2310	Introduction to Manufacturing Processes		3
— ----	----	Social/Behavioral Science		3
— ----	----	Humanities/Fine Arts		3
			13	

Total Semester Credit Hours for Degree **60/62**

* Elective may be chosen from OSHT courses or CTEC 2386.

Certificate of Completion in Process Technology-PT1

FIRST SEMESTER

— PTAC	1302	Introduction to Process Technology	SCH	3
— TECM	----	Technical Math Selection		3
— PTAC	1410	Process Technology I: Equipment		4
— PTAC	1332	Process Instrumentation I		3
— SCIT	1414	Applied General Chemistry I		4
			17	

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 & Environment I		3
			18	

Total Semester Credit Hours for Certificate **35**

PROFESSIONAL ADMINISTRATIVE TECHNOLOGY

Associate of Applied Science in Administrative Technology Tech Prep–OT2

The Administrative Technology Program prepares students for administrative support careers in today's businesses.

FIRST SEMESTER

—	POFI	1401	Computer Applications I	SCH	4
—	POFT	1309	Administrative Office Procedures I		3
—	POFT	1325	Business Math & Machine Applications		3
—	POFT	1127	Introduction to Keyboarding or		
—	POFT	1132	Workplace Diversity*	1	
—	POFT	1329	Beginning Keyboarding or		
	POFT	2203	Speed & Accuracy Building	2/3	
—	----	----	Humanities/Fine Arts	3	
				16/17	

SECOND SEMESTER

—	ENGL	1301	English Composition I		3
—	◆POFT	2301	Intermediate Keyboarding		3
—	POFT	1349	Administrative Office Procedures II or		
—	POFT	1366	Practicum (or Field Experience) - General Office Occupations & Clerical Services	3	
—	POFT	1301	Business English	3	
—	----	----	Social/Behavioral Science	3	
				15	

THIRD SEMESTER

—	ENGL	2311	Technical Writing		3
—	POFI	1441	Computer Applications II		4
—	POFI	2331	Desktop Publishing or		
—	POFT	2366	Practicum (or Field Experience) - General Office Occupations & Clerical Services	3	
—	POFT	2312	Business Correspondence & Communication	3	
—	SPCH	----	Oral Communications	3	
				16	

FOURTH SEMESTER

—	----	----	Natural Science/Mathematics		4
—	●POFT	2331	Administrative Systems		3
—	POFI	1349	Spreadsheets		3
—	ACNT	1303	Introduction to Accounting I		3
—	POFI	2340	Advanced Word Processing		3
				16	
Total Semester Credit Hours for Degree					63/64

* Administrative Technology major should enroll in POFT 1132.

Certificate of Completion in Administrative Technology I, II, and III

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 Administrative Technology I–OA1

				SCH	
—	●POFT	1309	Administrative Office Procedures I		3
—	POFT	1329	Beginning Keyboarding or		
—	POFT	2203	Speed & Accuracy Building	2/3	
—	POFI	1401	Computer Applications I		4
—	POFT	1325	Business Math & Machine Applications		3
—	POFT	1301	Business English		3
				15/16	
Total Semester Credit Hours for Certificate					15/16

Certificate of Completion in Administrative Technology II–AA1

				SCH	
—	●POFT	1309	Administrative Office Procedures I		3
—	POFT	1329	Beginning Keyboarding or		
—	POFT	2203	Speed & Accuracy Building	2/3	
—	POFI	1401	Computer Applications I		4
—	POFT	1325	Business Math & Machine Applications		3
—	POFT	1301	Business English		3
				15/16	
SECOND SEMESTER					
—	POFT	2312	Business Correspondence & Communication		3
—	POFI	1441	Computer Applications II		4
—	●POFT	1349	Administrative Office Procedures II or		
—	●POFT	1366	Practicum (or Field Experience) - General Office Occupations & Clerical Services	3	
—	POFT	1132	Workplace Diversity		1
—	POFT	2301	Intermediate Keyboarding		3
				14	
Total Semester Credit Hours for Certificate					29/30

● 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. Core and Field of Study courses are shown in bold and underline type.

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

PROFESSIONAL ADMINISTRATIVE TECHNOLOGY

Certificate of Completion in Administrative Technology III–O21

FIRST SEMESTER		SCH
— ●POFT 1309	Administrative Office Procedures I	3
— POFT 1329	Beginning Keyboarding or	
— POFT 2203	Speed & Accuracy Building	2/3
— POFI 1401	Computer Applications I	4
— POFT 1325	Business Math & Machine Applications	3
— POFT 1301	Business English	3
		15/16
SECOND SEMESTER		
— POFT 2312	Business Correspondence & Communication	3
— POFI 1441	Computer Applications II	4
— ●POFT 1349	Administrative Office Procedures II or	
— ●POFT 1366	Practicum (or Field Experience) - General Office Occupations & Clerical Services	3
— POFT 1132	Workplace Diversity	1
— POFT 2301	Intermediate Keyboarding	3
		14
THIRD SEMESTER		
— ●POFT 2331	Administrative Systems	3
— POFI 2331	Desktop Publishing or	
— POFT 2366	Practicum (or Field Experience) - General Office Occupations & Clerical Services	3
— POFI 1349	Spreadsheets	3
— POFI 2340	Advanced Word Processing	3
		12
Total Semester Credit Hours for Certificate		41/42

SAFETY MANAGEMENT

Associate of Applied Science in Safety Management Technology–SM2

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

FIRST SEMESTER		SCH
— OSHT 1301	Introduction to Safety & Health	3
— TECM - - - -	Technical Math Selection	3
— OSHT 1309	Physical Hazards Control	3
— OSHT 1313	Accident Prevention, Inspection & Investigation	3
— SCIT 1414	Applied General Chemistry I	4
		16
SECOND SEMESTER		
— OSHT 1316	Material Handling	3
— OSHT 1321	Fire Protection Systems	3
— - - - -	Technical Elective	3
— - - - -	Written Communications	3
— - - - -	Natural Science/Mathematics	4
		16
THIRD SEMESTER		
— OSHT 2309	Safety Program Management	3
— ●OSHT 2401	OSHA Regulations - General Industry	4
— - - - -	Technical Elective	3
— PTAC 2314	Principles of Quality	3
		13
FOURTH SEMESTER		
— ITSC 1309	Integrated Software Applications I	3
— SPCH 1315	Principles of Public Speaking	3
— - - - -	Technical Elective	3
— - - - -	Humanities/Fine Arts	3
— - - - -	Social/Behavioral Science	3
		15
Total Semester Credit Hours for Degree		60

Certificate of Completion in Safety Management Technology–SM1

FIRST SEMESTER		SCH
— OSHT 1301	Introduction to Safety & Health	3
— OSHT 1309	Physical Hazards Control	3
— OSHT 1313	Accident Prevention, Inspection & Investigation	3
— SCIT 1414	Applied General Chemistry I	4
— TECM - - - -	Technical Math Selection	3
		16
SECOND SEMESTER		
— OSHT 1316	Material Handling	3
— OSHT 1321	Fire Protection Systems	3
— PTAC 2314	Principles of Quality	3
— ●OSHT 2401	OSHA Regulations - General Industry	4
— OSHT 2309	Safety Program Management	3
		16
Total Semester Credit Hours for Certificate		32

SOCIAL SCIENCE

Associate of Arts in Social Science–SS4

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

FIRST SEMESTER		SCH
— ENGL 1301	English Composition I	3
— HIST ----	Social/Behavioral Science: History	3
— ---- ----	Natural Science	4
— MATH 1332	Contemporary Mathematics I or	
— MATH 1414	College Algebra	3/4
		13/14
SECOND SEMESTER		
— ENGL 1302	English Composition II	3
— HIST ----	Social/Behavioral Science: History	3
— ---- ----	Natural Science	4
— SPCH 1315	Principles of Public Speaking	3
— ---- ----	Elective	3
		16
THIRD SEMESTER		
— GOVT 2301	American Government I or	
— ---- ----	Humanities: Visual/Performing Arts	3
— ENGL ----	Literature	3
— SOCI 1301	Introductory Sociology	3
— PSYC 2301	Introduction to Psychology	3
— KINE ----	Health, Wellness & Kinesiology	1
		16
FOURTH SEMESTER		
— GOVT 2302	American Government II or	
— ---- ----	Humanities: Other	3
— SOCI 2319	Multi-Cultural Studies	3
— ---- ----	Social Science Elective	3
— ECON 2301	Principles of Economics: Macroeconomics or	
— ECON 2302	Principles of Economics: Microeconomics	3
		15
Total Semester Credit Hours for Degree		60/61

SOCIAL WORK

Associate of Arts in Social Work–SW4

FIRST SEMESTER		SCH
— ENGL 1301	English Composition I	3
— HIST ----	Social/Behavioral Science: History	3
— ---- ----	Natural Science*	4
— MATH 1332	Contemporary Mathematics I or	
— MATH 1414	College Algebra	3/4
— SOCI 1301	Introductory Sociology	3
		16/17
SECOND SEMESTER		
— ENGL 1302	English Composition II	3
— HIST ----	Social/Behavioral Science: History	3
— PSYC 2301	Introduction to Psychology	3
— ---- ----	Humanities: Other**	3
— ---- ----	Natural Science	4
		16
THIRD SEMESTER		
— GOVT 2301	American Government I or	
— GOVT 2302	American Government II	3
— KINE ----	Health, Wellness & Kinesiology	1
— SOCW 2361	Introduction to Social Work	3
— SOCI 2319	Multi-Cultural Studies	3
— PSYC 2314	Life Span Growth & Development	3
		13
FOURTH SEMESTER		
— GOVT 2301	American Government I or	
— GOVT 2302	American Government II	3
— ---- ----	Humanities: Visual/Performing Arts	3
— SPCH 1315	Principles of Public Speaking	3
— SOCI 1306	Social Problems	3
— SOCW 2362	Social Welfare as a Social Institution	3
		15
Total Semester Credit Hours for Degree		60/61

* *Biology Recommended.*

** *Humanities or Philosophy.*

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 elective 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 prerequisites. 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
— ENGL 1301	English Composition I	3
— ---- ----	Social/Behavioral Science: Other	3
— HIST ----	Social/Behavioral Science: History	3
— SPAN 1411	Beginning Spanish	4
		13

SECOND SEMESTER		SCH
— ENGL 1302	English Composition II	3
— MATH 1332	Contemporary Mathematics I	3
or		
— MATH 1414	College Algebra	3/4
— HIST ----	Social/Behavioral Science: History	3
— SPAN 1412	Intermediate Spanish	4
— KINE ----	Health, Wellness & Kinesiology	1
— ---- ----	Elective Outside of One's Major	3
		17/18

THIRD SEMESTER		SCH
— ---- ----	Humanities: Other	3
— GOVT 2301	American Government I	3
— ---- ----	Natural Science	4
— BCIS 1405	Business Computer Applications	4
— SPAN 2311	Spanish: Reading, Conversation, Composition, & Grammar Review	3
		17

FOURTH SEMESTER		SCH
— GOVT 2302	American Government II	3
— ---- ----	Natural Science	4
— ---- ----	Humanities: Visual/Performing Arts	3
— ---- ----	Communication: Other	3
— SPAN 2312	Spanish: Reading, Conversation, Composition, & Grammar Review	3
		16

Total Semester Credit Hours for Degree 63/64

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 cultural; and various contextual applications.

FIRST SEMESTER		SCH
— SPCH 1311	Introduction to Speech Communication	3
— ENGL 1301	English Composition I	3
— BCIS 1405	Business Computer Applications	4
— HIST 1301	U.S. History to 1877	3
— ---- ----	Natural Science	4
		17

SECOND SEMESTER		SCH
— SPCH 1315	Public Speaking	3
— SPCH 1318	Interpersonal Communication	3
— ENGL 1302	English Composition II	3
— HIST 1302	U.S. History Since 1877	3
— KINE ----	Health, Wellness & Kinesiology	1
— MATH 1332	Contemporary Mathematics I	3
or		
— MATH 1414	College Algebra	3/4
		16/17

THIRD SEMESTER		SCH
— SPCH 1321	Business & Professional Communication	3
— SPCH 2335	Argumentation & Debate	3
or		
— SPCH 2341	Oral Interpretation	3
— GOVT 2301	American Government I	3
— PSYC 2301	Introduction to Psychology	3
— ---- ----	Humanities: Other #	3
		15

FOURTH SEMESTER		SCH
— SPCH 2333	Discussion & Small Group Communication	3
— GOVT 2302	American Government II	3
— ---- ----	Humanities: Visual/Performing Arts ##	3
— ---- ----	Social/Behavioral Science: Other*	3
— ---- ----	Natural Science	4
		16

Total Semester Credit Hours for Degree 64/65

* 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. Core and Field of Study courses are shown in bold and 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

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
—	ENGL 1301	English Composition I	3
—	MATH 1332	Contemporary Mathematics	
		or	
—	MATH 1414	College Algebra (or more advanced)	3/4
—	HIST ----	Social/Behavioral Science: History	3
—	----	Elective*	3
—	----	Elective*	3
			15/16
SECOND SEMESTER			
—	ENGL 1302	English Composition II	3
—	HIST ----	Social/Behavioral Science: History	3
—	----	Social/Behavioral Science: Other	3
—	KINE ----	Health, Wellness & Kinesiology	1/3
—	----	Elective*	3
			13/15
THIRD SEMESTER			
—	----	Communication: Other	3
—	----	Natural Science	4
—	GOVT 2301	American Government I	3
—	----	Humanities: Other	3
—	----	Elective	3
			16
FOURTH SEMESTER			
—	----	Natural Science	4
—	GOVT 2302	American Government II	3
—	----	Humanities: Visual/Performing Arts	3
—	----	Elective	3
—	----	Elective	3
			16
Total Semester Credit Hours for Degree			60/63

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

* Offered once a year.

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

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 image for aesthetic or graphic arts productions and/or online presentations.

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

* Offered once a year.

** Math to be chosen from MATH 1316, 1324, or 1332.

• 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. Core and Field of Study courses are shown in bold and underline type.

♦ Students completing a high school Tech Prep Program may receive credit for indicated courses.

WELDING

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

FIRST SEMESTER

—◆	WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)
—	WLDG	2331	Advanced Blueprint Interpretation & Cost Analysis
—	TECM	1341	Technical Algebra
—	----	----	Written Communication
—	WLDG	1323	Welding Safety, Tools & Equipment

SECOND SEMESTER

—◆	WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)
—	WLDG	1337	Introduction to Welding Metallurgy
—	TECM	1349	Technical Math Applications
—	WLDG	1291	Special Topics in Welder/Welding Technologist: Introduction to Gas Metal Arc
—	----	----	Natural Science/Mathematics

THIRD SEMESTER

—	WLDG	1435	Introduction to Pipe Welding
—	WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding
—	WLDG	1327	Welding Codes
—	----	----	Humanities/Fine Arts

FOURTH SEMESTER

—	WLDG	2453	Advanced Pipe Welding
—●	WLDG	2451	Advanced Gas Tungsten Arc (GTAW) Welding
—	SPCH	----	Oral Communications
—	----	----	Social/Behavioral Science
—	----	----	Elective

Total Semester Credit Hours for Degree

Certificate of Completion in Welding Technology-WE1

FIRST SEMESTER

SCH	—	WLDG	2331	Advanced Blueprint Interpretation & Cost Analysis	SCH	
	4	—	WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4
	3	—	WLDG	1323	Welding Safety, Tools & Equipment	3
	3					10

SECOND SEMESTER

3	—	WLDG	1337	Introduction to Welding Metallurgy	3
16	—	WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4
4	—	WLDG	1291	Special Topics in Welder/Welding Technologist: Introduction to Gas Arc	2
3					9

THIRD SEMESTER

2	—	WLDG	1435	Introduction to Pipe Welding	4
4	—	WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4
16	—	WLDG	1327	Welding Codes	3
					11

FOURTH SEMESTER

4	—	WLDG	2453	Advanced Pipe Welding	4
4	—●	WLDG	2451	Advanced Gas Tungsten Arc (GTAW) Welding	4
3					8
14				Total Semester Credit Hours for Certificate	38

Certificate of Completion in Welding Inspection Technology-WI1

FIRST SEMESTER

SCH	—	WLDG	2331	Advanced Blueprint Interpretation & Cost Analysis	SCH	
	3	—	WLDG	1337	Introduction to Welding Metallurgy	3
	17	—	NDTE	1401	Film Interpretation of Weldments	4
	3	—	NDTE	1410	Liquid Penetrant/Magnetic Particle Testing	4
						14

SECOND SEMESTER

3	—●	NDTE	2411	Preparation for Welding Inspection Certification	4
7	—	WLDG	1327	Welding Codes	3
					7
				Total Semester Credit Hours for Certificate	21