

Chapter 4
ACADEMIC
STUDIES



Degrees & Certificates

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Area of Study	AA	AS	AAS	Cert	pg.
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Introduction

This section of the Catalog is devoted to describing the options available to the Lee College students who (1) plan to earn a certificate or associate degree from Lee College, (2) plan to transfer the credits they earn at Lee College to another institution, or (3) both graduate and transfer.

Coordinating Board approved certificates require from 15 to 59 semester credit hours; associate degrees require 60 to 66 credits. For students considering a career in a technical field, an investment of one to four semesters of study is very reasonable. For students planning to earn baccalaureate degrees, the additional credits or effort needed to earn additional credits is also a reasonable investment in the future.

Some students, however, may wish to transfer to other institutions without earning a degree at Lee College. Students who plan to transfer to other institutions – with or without a Lee College degree – should obtain a catalog from the institution to which they plan to transfer and work with a Lee College counselor in the selection of their courses. Course options and degree requirements at universities vary from institution to institution and, in many cases, from college to college within institutions.

Core Curriculum

Through the Texas Core Curriculum, students will gain a foundation of knowledge of human cultures and the physical and natural world, develop principles of personal and social responsibility for living in a diverse world, and advance intellectual and practical skills that are essential for all learning.

Core Objectives

- **Critical Thinking Skills** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- **Communication Skills** - to include effective development, interpretation and expression of ideas through written, oral and visual communication
- **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
- **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
- **Personal Responsibility** - to include the ability to connect choices, actions and consequences to ethical decision-making

- **Social Responsibility:** to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

Foundational Component Areas

Communication focuses on developing ideas and expressing them clearly, considering the effect of the message, fostering understanding, and building the skills needed to communicate persuasively.

- Courses involve the command of oral, aural, written, and visual skills that enable people to exchange messages appropriate to the subject, occasion, and audience.
- The core objectives of critical thinking, communication skills, teamwork, and personal responsibility are addressed by each course in this component area.

Mathematics focuses on quantitative literacy in logic, patterns, and relationships.

- Courses involve the understanding of key mathematical concepts and the application of appropriate mathematical tools to the everyday experience.
- The core objectives of critical thinking, communication skills, and empirical and quantitative skills are addressed by each course in this component area.

Life and Physical Sciences focus on describing, explaining, and predicting natural phenomena using the scientific method.

- Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on human experiences.
- The Core Objectives of critical thinking, communication skills, empirical and quantitative analysis, and teamwork are addressed by each course in this component area.

Language, Philosophy, and Culture focuses on how ideas, values, beliefs and other aspects of culture express and affect human experience.

- Courses involve the exploration of ideas that foster aesthetic and intellectual creation in order to understand the human condition across cultures.
- The Core Objectives of critical thinking, communication skills, personal responsibility, and social responsibility are addressed by each course in this component area.

Creative Arts focus on the appreciation and analysis of creative artifacts and works of the human imagination.

- Courses involve the synthesis and interpretation of artistic expression and enable critical, creative, and innovative communication about works of art.
- The Core Objectives of critical thinking, communication skills, teamwork, and social responsibility are addressed by each course in this component area.

American History focuses on the consideration of past events relative to the United States, with the option of including Texas history for a portion of this component area.

- Courses involve the interaction among individuals, communities, states, the nation, and the world, considering how these interactions have contributed to the development of the United States and its global role.
- The Core Objectives of critical thinking, communication skills, social responsibility, and personal responsibility are addressed by each course in this component area.

Government/Political Science focuses on consideration of the Constitution of the United States and the constitutions of the states with special emphasis on that of Texas.

- Courses involve the analysis of governmental institutions, political behavior, civic engagement, and their political and philosophical foundations.
- The Core Objectives of critical thinking, communication skills, social responsibility, and personal responsibility are addressed by each course in this component area.

Social/Behavioral Science focuses on the application of empirical and scientific methods that contribute to the understanding of what makes us human.

- Courses involve the exploration of behavior and interactions among individuals, groups, institutions, and events, examining their impact on society and culture.
- The Core Objectives of critical thinking, communication skills, empirical and quantitative analysis, and social responsibility are addressed by each course in this component area.

Component Area Option provides individual institutions the ability to address foundational areas that exceed the number of Semester Credit Hours (SCH) required, require courses that exist in multiple component areas, and offer courses that provide essential college level skills and knowledge that prepare students for the rest of their educational experiences and work lives.

- The Core Objectives of critical thinking and communication skills and at least one other state objective are addressed by each course in this component area.

Core Curriculum Options

The primary purpose of the AA, AS, and AAT degrees are to prepare students to transfer and meet prerequisites for junior level courses. The core curriculum is an essential, state mandated component of these associate degrees. The table below provides course options to meet the general core curriculum requirements and matches those listed for the Associate of Arts (AA) degree. Subsequent degrees, Fields of Study, and Areas of Concentration provide specific modifications to the core curriculum that meet the needs of students transferring in academic concentrations. A course can only be counted once in meeting core curriculum requirements. Course title and descriptions can be found in Chapter 6.

								SCH
Communication	ENGL	1301	&	1302	2311			6
Mathematics	MATH	1314		1316	1324	1332		3
		1342		2412*	2413*			
Life and Physical Sciences	BIOL	1406		1407	1411	1413		6*
		2401		2402	2404	2416	2421	
	CHEM	1405		1411	1412			
		1419		2423	2425			
	ENVR	1401		1402				
	GEOL	1403		1404	1405	1447		
	PHYS	1401		1402	1403	1404		
		1405		1407	1415	2425	2426	
Creative Arts	ARCH	1311						3
	ARTS	1301		1303	1304			
	DRAM	1310						
	MUSI	1306	1310					
Language, Philosophy, and Culture	ENGL	2322		2323	2326	2327		3
		2331		2341	2351			
	HIST	2321		2322				
	HUMA	1301			1305			
	PHIL	1301						
Government/Political Science	GOVT	2305	&	2306				6
American History	HIST	1301		1302	2301			6
Social/Behavioral Sciences	ECON	2301		2302				3
	GEOG	1303						
	PSYC	2301						
	SOCI	1301						
Communication Area Option	SPCH	1311		1315	1318	1321		3
Kinesiology Area Option	KINE	1304*		1305*				1
Component Area Option	EDUC	1200						2

* Extra SCH will be applied to degree plan general electives.

Core Total 42

Associate of Science Core Curriculum

The Mathematics and Life and Physical Science are more specific in the Associate of Science degree plans. The table below outlines the requirements.

Mathematics	MATH	1324	2412	2413			3
Life and Physical Sciences	BIOL	1406	1407		2401	2402	6*
	CHEM	1411	1412		2423	2425	
	ENVR	1401	1402				
Students must take	GEOL	1403	1404				
Paired courses	PHYS	1401	1402		2425	2426	

*Extra SCH will be applied to degree plan general electives.

Associate of Arts (AA) Associate of Arts in Teaching (AAT) Associate of Science (AS)

The Associate of Arts (AA), Associate of Arts in Teaching (AAT), and Associate of Science (AS) degrees are designed for students who plan to transfer to four year institutions and pursue baccalaureate degrees. AA, AAT, and AS degrees include 60 to 66 hours of freshman and sophomore courses. Degrees are based on the core curriculum developed by the State of Texas and are updated to include Fields of Study as they become available from the state. The AAT degree is designed for teacher preparation and specifically transfers to upper division education programs.

Because of common course numbering and similarity in degree plans, students can easily matriculate to universities with most credits being accepted by public postsecondary institutions in Texas.

Graduation Requirements: see Chapter 1, p. 27

Core Curriculum Completion

Lee College recognizes completion of the core curriculum for students seeking AA, AAT, and AS degrees that have completed the entire core curriculum with Lee College with a GPA of 2.0 or better. At graduation, students will receive an acknowledgement for core curriculum completed. All students who complete the core curriculum will have it noted on their transcript.

Field of Study

Field of study curricula were mandated by the state legislature in 1997. These programs offer transferability to general academic teaching institutions in the state of Texas and guarantee substitution for lower division requirements for the degree program. Lee College currently offers Field of Study in five areas: Computer Science, Criminal Justice, Music, Speech Communications, and Business.

Area of Concentration

Areas of Concentration (AOC) provide structure to the elective courses taken to complete an AA or AS degree. Students focused on a major for Bachelor's degree work have multiple AOCs to choose from. It is the responsibility of the student to contact the transfer university to obtain its specific course requirements and enroll in appropriate lower division courses.

AA Area of Concentration:

American Studies, Architecture, Church Music, Criminal Justice, Drama, English, General Studies, Health, Humanities, Literature, Mexican American Studies, Physical Education, Social Sciences, Social Work, Spanish, Transfer in Allied Health, Visual Arts, and Visual Arts: Imaging.

AS Area of Concentration:

Biology, Chemistry, Environmental Science, Geology, Mathematics, Physics, and Pre-Engineering

Articulation Agreements

Articulation agreements are specific degree plans agreed upon between Lee College and a 4-year institute of higher education. A list of current transfer articulation agreements can be found at: http://www.lee.edu/counseling/transfer_articulation_agreements.asp.

Distance Education

Distance Learning

Distance learning provides quality education in a non-traditional environment, where the student and faculty member are in different locations. Lee College faculty strives to promote superior online learning through the college's online learning management system.

Lee College offers several options for students who are self-motivated and prefer independent learning. Distance learning courses require an orientation with the instructor, either personally or online. Courses are completed during a single semester with deadlines set by instructors for course assignments and exams.

Distance Education provides courses in which a majority (more than 50 percent) of the instruction occurs when the student(s) and instructor(s) are not in the same place. Two categories of distance education courses are defined as:

Fully Distance Education Course

A course with mandatory face-to-face sessions totaling no more than 15 percent of the instructional time. Examples of face-to-face sessions include orientation, laboratory, exam review, or an in-person test.

Hybrid/Blended Course

A course in which a majority (more than 50 percent but less than 85 percent), of the planned instruction occurs when the student(s) and instructor(s) are not in the same place.

Distance Education Course Length

Classes may be offered in a variety of lengths throughout the semester. During the Spring and Fall semester, classes will be offered in 16-week, 12-week, or 8-week sessions. During the summer semester, classes will be offered in 10 weeks or 5 weeks.

Lee College Course Delivery System

Courses will be offered online through Lee College's Learning Management System (LMS).

Hardware and Software Requirements

To be successful in an online course, students who use their personal computers must have high speed internet access. Online course users will need at least two Internet browsers – for PC users, Internet Explorer and Mozilla Firefox, and for MAC users, Safari and Mozilla Firefox. PC users need an operating system of Windows XP, Windows Vista, or Windows 7. MAC users need an operating system of 10.5 or 10.6. To view all information, including pop-ups, etc., Java should be installed on the computer.

Virtual College of Texas (VCT)

Through a cooperative agreement, Texas community colleges share online courses. Students register through Lee College and are supported by local counseling, library tutoring, and testing services while they take classes from remote sites. Enrollment procedures are outlined in the class schedule. Testing is provided through the Counseling Center in Moler Hall on the Baytown campus. Some VCT courses are not included in the course descriptions in Chapter 7. Visit the VCT Internet site at <http://www.vct.org> for more information and listings.

Description	Delivery Method	Class Schedule Symbology	Percent of Instruction outside of class			
			0%	50%	85%	100%
NOT Distance Learning	Face-to-face Courses	F01A	0% instruction occurs outside of class			
	Web-enhanced Courses	F01A	1% - 50% instruction occurs online			
Distance Learning	Hybrid	H01A		51% - 84% instruction occurs online		
	Distance Education	OL01			85% - 100% instruction occurs online	

Associate of Arts in Teaching

The following two-year associate degree plans provide a foundation to completion of a baccalaureate degree in Teaching in the state of Texas.

- **ED15 AAT** – Prepares potential teachers for early childhood to sixth grade that plan to transfer to UHCL, UH Main, or UH Downtown.
- **ED25 AAT** – Prepares potential teachers for early childhood to sixth grade, as a Generalist, Bilingual Generalist, ESL Generalist, or Special Education Generalist.
- **ED35 AAT** – Future teachers interested in 4th to 8th grade teaching.
- **ED45 AAT** – Students interested in pursuing an area of specialization applied to early childhood through grade 12 (Music, Physical Education, Art, etc.) or grades 8 through 12 (Mathematics, Science, Social Studies, Business, Languages, etc.).

Core Requirement

- Communication Area Option
 - SPCH 1315
- Mathematics
 - MATH 1314
- Creative Arts
 - ARTS
 - DRAM
 - MUSI

Through field experience each semester at public and private schools or daycares, students observe and participate in classroom activities and school events. The following table outlines the specific major courses required for each AAT degree. An additional 19 SCH provides the necessary total to complete each AAT degree.

Degree	1st Semester	2nd Semester	3rd Semester	4th Semester	Open
ED15	TECA 1311	MATH 1350	TECA 1318	TECA 1303 TECA 1354	EDUC 1301 KINE* 11XX
ED25	EDUC 1301	MATH 1350	Third Natural Science Course	EDUC 2301	General Elective and KINE 1306 or KINE 1332
ED35	EDUC 1301	MATH 1350 Science Course	Third Natural	EDUC 2301	General Elective and KINE 1306 or KINE 1332
ED45	EDUC 1301 Specialization**	Specialization	Specialization	EDUC 2301, Specialization	KINE* 11XX

*Any of the activity courses listed in the AA core for Kinesiology will satisfy this requirement.

**Specialization requirement is a minimum of 12 SCH in a discipline.

Important Information:

Students are permitted to earn only one of the AAT degrees.

TECA 1303, 1311, and 1818, EDUC 1301, 2301 each have 16 clock hours of observation mandated by the State of Texas.

Contact: Teresa Landers at 832.556.4094, tlander@lee.edu, for specific degree information.

Field of Study Curriculum

Field of study curricula were mandated by the state legislature in 1997. These programs offer transferability to general academic teaching institutions in the state of Texas and guarantee substitution for lower-division requirements for the degree program. Students receive academic credit toward the baccalaureate degree program for the courses transferred, which meet the four-year institute of higher education's lower-division requirements in the academic program area.

Lee College currently offers coursework in five areas: Computer Science, Criminal Justice, Music, Speech-Communications, and Business. Course sequencing is an important aspect of the field of study academic plans; communicate with an advisor or content specialist for an efficient and effective plan of action.

Field of Study Curriculum for Speech Communication – SPC4

The Speech Communication Field of Study is designed to provide the appropriate curriculum for students transferring into a Bachelor of Arts program with a major in Speech Communications. The degree focuses on the scientific, humanistic, and critical study of human communication in a variety of formats, media, and contexts.

Major Courses (15 SCH)

- Historical, theoretical, and/or analytical competency (9 SCH)
 - SPCH 1311 – Introduction to Speech Communication
 - SPCH 1318 – Interpersonal Communication
 - SPCH 2333 – Discussion and Small Group Communication*
- Writing/performance/production competency (6 SCH)
 - SPCH 1321 – Business and Professional Communication
 - SPCH 2335 – Argumentation and Debate*

*For class arrangements and availability, please contact the faculty representative.

Core (42 SCH)

- Communication Area Option requirement
 - SPCH 1315 – Principles of Public Speaking

Elective (3 SCH)

- Chec with receiving university for transferability

Total SCH for the Speech Communication Field of Study = 60 SCH

Transfer students may be required to complete between 3 to 6 additional lower-division SCH in their major if the receiving institution has additional lower-division courses that are: (1) specific to any communication degree, (2) required of their native students, (3) needed for the successful completion of advanced coursework at that institution, and (4) not duplicative in content of any course in the applicable sub-area Field of Study Curriculum for Communication that the student already has completed.

Contact: Ray Whitlow at 281.425.6876, rwhitlow@lee.edu, for specific degree information.

Field of Study Curriculum for Business – B3

The Business Administration Field of Study curriculum has been adopted to meet the needs of students transferring into a Bachelor of Arts or Bachelor of Science program, majoring in Business. The Field of Study courses will constitute a semester credit hour transfer block to any public Texas four-year college or university.

Field of Study Required Courses (24 SCH)

- ACCT 2401 – Principles of Accounting I
- ACCT 2402 – Principles of Accounting II
- ECON 2301 – Principles of Economics: Macroeconomics
- ECON 2302 – Principles of Economics: Microeconomics
- MATH 1325 – Calculus with Business Applications
- BCIS 1405 - Business Computer Applications
- SPCH 1321 - Business and Professional Communication

AS Core (36 SCH) See page 61 for AS core

- Mathematics – 3 SCH
 - MATH 1324 – Finite Mathematics with Business Applications
- Communication – 6 SCH
 - ENGL 1301 - English Composition I
 - ENGL 1302 - English Composition II
- Life and Physical Sciences – 8 SCH
 - Choose two Life and Physical Sciences courses from the Core
- American History – 12 SCH
 - HIST 1301 - History of the United States to 1877
 - HIST 1302 - History of the United States Since 1877
- Government/Political Science
 - GOVT 2305 - Federal Government
 - GOVT 2306 - Texas Government
- Creative Arts/LPC – 6 SCH
 - Choose one from Creative Arts: from the Core
 - Choose one from Language Philosophy, and Culture: from the Core
- Kinesiology – 1 SCH
 - Choose one activity course from the Core

Major Course (6 SCH)

- BUSI 1301 - Business Principles
- BUSI 2301 - Business Law

Total SCH for the Business Field of Study = 66 SCH

Contact: Gregg Lattier at 281.425.6420, glattier@lee.edu, for specific degree information.

Field of Study Curriculum for Computer Science – CS3

The Computer Science Field of Study is designed for students who plan to major in Computer Science and transfer to a public Texas four-year college or university. Students will gain an Associate of Science degree and will be able to transfer the set of major courses as a block to any university in Texas as long as they complete all of the courses with a grade of "C" or better.

Major Courses (31 SCH)

- Computer Science
 - COSC 1436 - Programming Fundamentals I – (Fall only)
 - COSC 1437 - Programming Fundamentals II – (Spring only)
 - COSC 2325 - Computer Organization and Machine Language – (Fall only)
 - COSC 2436 - Programming Fundamentals III – (Spring only)
- Mathematics
 - MATH 2413 - Calculus I with Analytic Geometry
 - MATH 2414 - Calculus II with Analytical Geometry
- Life and Physical Sciences
 - PHYS 2425 - University Physics I
 - PHYS 2426 - University Physics II

AS Core (31 SCH) See page 61 for AS core

- Associate of Science
 - Communication (6 SCH)
 - Communication Area Option (3 SCH)
 - Creative Arts/LPC (6 SCH)
 - SBS/HIST/GOVT (15 SCH)
 - Kinesiology (1 SCH)

Total SCH for the Computer Science Field of Study = 62 SCH

Contact: Roberta McClure 832.556.4015, rmcclure@lee.edu for specific degree information.

Note: Please note that Math 2413 is a prerequisite for the Physics series. Students should plan their coursework accordingly.

1. COSC 1336/1436 and 1337/1437 are preparatory and sequential in nature; however, not all courses are required for the Computer Science major at all universities, but may apply to general degree requirements.
 - a. COSC 1336/1436 is not part of the Computer Science major requirements at The University of Texas at Austin, University of Texas at Arlington, University of Texas at Dallas, and Texas A&M University.
 - b. COSC 1337/1437 is not part of the Computer Science major requirements at The University of Texas at Austin. Preparatory courses such as COSC 1336/1436 and COSC 1337/1437 will assist students who need additional background but do not apply toward the Computer Science major requirements.
2. COSC 2325/2425 is not part of the Computer Science major requirements at the University of Texas at Austin or Texas A&M University, but may be applied to general degree requirements.
3. It is recommended that students complete the Math sequence, Physics sequence, and Computer Science sequence at the same institution to reduce the likelihood of potential gaps in the curriculum.

Field of Study Curriculum for Criminal Justice – CJ4

The Criminal Justice Field of Study curriculum has been adopted to meet the needs of students transferring into a Bachelor of Arts or Bachelor of Science program, majoring in criminal justice. The Field of Study courses will constitute a semester credit hour transfer block to any public Texas four-year college or university. Students will gain basic knowledge about law enforcement, the courts, corrections, and criminal law.

Major Courses (15 SCH)

- Criminal Justice
 - CRIJ 1301 - Introduction to Criminal Justice
 - CRIJ 1306 - Court Systems and Practices
 - CRIJ 1310 - Fundamentals of Criminal Law
 - CRIJ 2313 – Correctional Systems and Practices
 - CRIJ 2328 - Police System and Practices

Core (42-43 SCH)

- Mathematics – 3 SCH
 - MATH 1332 – Contemporary Mathematics I Or
 - MATH 1314 – College Algebra
- Communication – 6 SCH
 - ENGL 1301 - English Composition I
 - ENGL 1302 - English Composition II
- Communication Area Option – 3 SCH
 - SPCH choose one from:
- SPCH 1318 - Interpersonal Communications
- SPCH 1321 - Business and Professional Communication or
- Life and Physical Sciences – 8 SCH
 - Choose two Life and Physical Sciences courses from the Core
- American History – 12 SCH
 - HIST 1301 - History of the United States to 1877
 - HIST 1302 - History of the United States Since 1877
- Government/Political Science
 - GOVT 2305 - Federal Government
 - GOVT 2306 - Texas Government
 - Choose one from SBS/GOVT/HIST Core
- Creative Arts/LPC – 6 SCH
 - Choose one from Creative Arts: from the Core
 - Choose one from Language Philosophy, and Culture: from the Core
- Kinesiology – 1 SCH
 - Choose one activity course from the Core

Other (3 SCH)

- COSC 1301 – Introduction to Computing

Elective (3 SCH)

- CRIJ Elective

Total SCH for the Criminal Justice Field of Study = 63 SCH

Contact: Oris Buckner at 281.425.6463, obuckner@lee.edu for specific degree information.

Field of Study Curriculum for Music – MU4

The Music Field of Study is structured to meet the needs of students who will pursue a baccalaureate degree in music. Music courses in this curriculum plan are transferable to public Texas four-year colleges and universities. The Associate of Arts degree core requirement will not be completed in order to accommodate the field of study curriculum. Transfer of credit in ensemble, applied study, and theory/aural skills shall be on a course-for-course basis.

Students are required to:

- Enroll in either Class Piano or Applied Piano until exit proficiency requirements are met*
- Attend the Performance/Lecture Seminar
- Attend a specified number of approved concerts each semester
- Offered in the Fall only/guaranteed to be offered once a year***
- Offered in the Spring only/guaranteed to be offered once a year****

Major Courses (34 SCH)

Courses	1st Semester	2nd Semester	3rd Semester	4th Semester
Theory	MUSI 1311***	MUSI 1312****	MUSI 2311***	MUSI 2312****
Sight and Ear	MUSI 1116***	MUSI 1117****	MUSI 2116***	MUSI 2117****
Piano*	MUSI 1181	MUSI 1182	MUSI 2181	
Ensemble**	MUEN 11XX	MUEN 11XX	MUEN 21XX	MUEN 21XX
Applied	MUAP 12XX	MUAP 12XX	MUAP 22XX	MUAP 22XX
Music Literature		MUSI 1307		
Total Music SCH	8	11	8	7

**Choices include: Concert Choir, Chamber Choir, Jazz Ensemble, Concert Band, or Baytown Symphony Orchestra

Core (29 SCH)

- Mathematics – 3 SCH - Choose one of the following:
 - MATH 1314 College Algebra
 - MATH 1342 Statistics
 - MATH 1332 Contemporary Mathematics I
- Communication – 6 SCH
 - ENGL 1301 English Composition I
 - ENGL 1302 English Composition II
- Communication Area Option – 3 SCH
 - SPCH choose one
- Life and Physical Sciences – 4 SCH
 - Choose one Life and Physical Sciences course
- American History – 12 SCH
 - HIST 1301 - History of the United States to 1877
 - HIST 1302 - History of the United States Since 1877
- Government/Political Science
 - GOVT 2305 - Federal Government
 - GOVT 2306 - Texas Government
- Kinesiology – 1 SCH
 - Choose one activity course from the CORE

Elective (3 SCH)

- Choose from MUAP, MUEN, MUSI
- Courses are in addition to the 34 SCH required in the Major Courses

Total SCH for the Music Field of Study = 66 SCH

Contact: Charlotte Mueller at 281.425.6858, cmueller@lee.edu, John Weinel at 281.425.6351, jweinel@lee.edu, or Ken Booker at 281.425.6350, kbooker@lee.edu for specific Degree information.

Keyboard (piano) Competency

Because keyboard (piano) competency is a requirement for most baccalaureate degrees in music, up to four additional semester credit hours of coursework pertaining to keyboard (piano) may transfer by agreement between institutions. Keyboard competency courses approved for transfer are courses in group piano or applied lessons that concentrate specifically on skills development for passing keyboard proficiency examinations. Keyboard courses that concentrate primarily on performance literature are not considered to be keyboard competency courses for the purposes of this field of study. Completion of courses leading to keyboard proficiency does not necessarily satisfy the established proficiency requirement at a receiving institution.

Competency, proficiency, and Diagnostic Assessment

Transferring students who have completed the field of study curriculum must satisfy the competency and proficiency requirements of the receiving institution. Transferring students shall not be required to repeat courses transferred as part of the field of study curriculum. However, diagnostic assessment of transfer students is permissible if the receiving institution routinely conducts diagnostic assessment of native students at the same point in the program of study.

Vocal Diction and Instrumental Methods

Course work in vocal diction and instrumental methods is not included in the field of study curriculum but may nonetheless transfer by agreement between institutions.

Courses for Specific Degree programs

Completion of the field of study curriculum shall not prevent a receiving institution from requiring additional lower division courses that may be necessary for specific degree programs. Courses selected for inclusion in the field of study curriculum are those considered to be common to lower division study for most music degrees. Receiving institutions may require transfer students in specialized programs (e.g., jazz studies, performance, composition, music therapy, etc.) to take additional degree specific lower division courses that are not included in the field of study curriculum.

Music Literature Course(s)

The music field of study curriculum contains one semester of music literature that will automatically transfer into the student's degree program at a receiving institution. Since some senior colleges and universities require students to successfully complete two semesters of music literature, sending institutions should, to the extent possible, work with receiving institutions to develop transfer options that best serve student needs while maintaining program integrity at the sending and receiving institutions.

Areas of Concentration AA Degree

American Studies – LAH4

American Studies is an honors program that combines American literature and American history. Each long semester students take a 6 SCH 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.

Core Recommendation

- Language, Philosophy, and Culture
 - HUMA 1301

Area of Concentration (9 SCH)

- HUMA 1302
- ENGL 2327
- ENGL 2328

General Electives (9 SCH)

Contact: Georgeann Ward at 281.425.6530, gward@lee.edu.

Architecture – AR4

The curriculum is offered for students who are studying for a Bachelor of Architecture or other design related degree.

Core Recommendation

- Creative Arts
 - ARCH 1311
- Life and Physical Sciences
 - PHYS 1401
 - PHYS 1402
- Mathematics
 - MATH 2412*

Area of Concentration (12-15 SCH)

- ARCH 1301
- ARCH 1302
- ARCH 1403
- ARCH 1404
- ARCH 1307
- ARCH 1308
- ARCH 1315
- ARCH 2301
- ARCH 2302
- ARTS 1316
- ARTS 1317

General Electives (3 - 6 SCH)

Students are required to submit a creative portfolio for review, acceptance, transfer, and placement by the selected university.

Contact: Paul Lucke at 281.425.6465, plucke@lee.edu

Other:

- Most Architecture programs require MATH 2412 Precalculus or equivalent. Review transfer institution's specific math requirement.

Church Music – CHM4

The Associate of Arts in Church Music is structured to meet the needs of students who will ultimately pursue a baccalaureate degree in music or church music. Students will meet minimum standards in one specified area of performance and will become proficient in piano. Students will demonstrate a basic understanding of music theory and church music literature.

Core Recommendation

- Creative Arts
 - MUSI 1303

Area of Concentration (21 SCH)

- MUSI 1311 (Fall only)
- MUSI 1116 (Fall only)
- MUSI 1312 (Spring only)
- MUSI 1117 (Spring only)
- MUSI 1307 (Fall only) Church Music Emphasis
- 2 – MUAP 12 (Freshman level)
- 4 – MUEN 1141, 1152, 1135, 1123, or 1125
- Piano course:
 - MUSI 1181 and 1182 or MUAP Applied Piano

Music Elective, choose one of the following:

- MUSI, MUAP, MUEN, MUSC

Students are required to attend a specified number of concerts and performances by guest artists. Students must attend a weekly forum.

Contact: Dr. Charlotte Mueller at 281.425.6858, cmueller@lee.edu

Drama – DR4

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

Core Recommendation

- Creative Arts
 - DRAM 1310

Area of Concentration (12 - 15 SCH)

- DRAM 1120
- DRAM 1121
- DRAM 2120

Choose any of the following to complete the required DRAM SCH minimum

- DRAM 1330
- DRAM 1341
- DRAM 1342
- DRAM 1351
- DRAM 1352
- DRAM 2331
- DRAM 2361
- DRAM 2362
- DRAM 2366
- DRAM 2121

General Electives (3 - 6 SCH)

Contact: Kim Martin at 281.425.6264, hmartin@lee.edu

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.

Core Recommendation

- Communication Area Option
 - SPCH 1315

Area of Concentration (14 SCH)

- SPAN 1411
- SPAN 1412

Sophomore ENGL, choose two of the following

- ENGL 2307
- ENGL 2308
- ENGL 2311
- ENGL 2321
- ENGL 2322
- ENGL 2323
- ENGL 2326
- ENGL 2327
- ENGL 2328
- ENGL 2331
- ENGL 2341
- ENGL 2351

General Electives (6 SCH)

Contact: Gordon Lee at 281.425.6417, glee@lee.edu

General Studies – GS4

The general studies area of concentration provides a broad range of academic discipline experiences. The semester credit hours listed are for coursework above and beyond courses required for core completion.

First Semester Enrollment and Completion of LSSS 300 or EDUC 1200 (0 or 2 SCH)

- Determined by college readiness in Reading, Writing, and Mathematics

Core

Area of Concentration (12 SCH)

- Common Discipline
- Common Rubric

General Electives (4-6 SCH)

Contact: Student Academic Advisor

KINE Health– KIH4

Students will prepare for careers in health and nutrition by understanding the relationships between nutrition, weight control, and physical activity.

Core Recommendation

- Life and Physical Sciences
 - BIOL 2401
 - BIOL 2402

Area of Concentration (16 SCH)

- KINE 1132
- KINE 1301
- KINE 1304
- KINE 1305
- KINE 1306
- KINE 1346

KINE Electives (2 SCH)

- KINE 1101 – KINE 1152

Contact: Graeme Cox at 281.425.6223, gcox@lee.edu

KINE Physical Education – KIP4

Students will prepare for careers in physical education and coaching with an emphasis on public education.

Core

Area of Concentration (15 SCH)

- KINE 1301
- KINE 1304
- KINE 1306
- KINE 1321 (Fall only)
- KINE1332 (Spring only)

KINE Electives (3 SCH)

- KINE 1101 – KINE 1152

Contact: Graeme Cox at 281.425.6223, gcox@lee.edu

Humanities – HU4

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

Core

Area of Concentration (15 SCH)

- Sophomore Literature (6 SCH)
- Creative Arts/LPC Elective (3 – 6 SCH)
- SBS/GOVT/HIST (3 – 6 SCH)

General Electives (3 SCH)

Contact: Gordon Lee at 281.425.6417, glee@lee.edu

Literature – LI4

Students will expand their knowledge of literature, genres, and literacy criticism. Students will demonstrate cultural and historical understanding of the literature as well as an understanding of how literature reflects society.

Core

Area of Concentration (18 SCH)

One of the following sequences

- ENGL 2322 and ENGL 2323
- ENGL 2327 and ENGL 2328 (offered through American Studies only)

Two of the following

- ENGL 2307
- ENGL 2308
- ENGL 2321 (unless ENGL 2322 and 2323 are used above)
- ENGL 2322
- ENGL 2323
- ENGL 2326 (unless ENGL 2327 and 2328 are used above)
- ENGL 2327
- ENGL2328
- ENGL 2331
- ENGL 2341 (course may be taken more than once with different topic)
- ENGL 2351

Two electives, with a recommendation that at least one has one of the following rubrics without duplicating the Social Sciences Core requirement:

- PHIL
- PSYC
- SOCI

Contact: Gordon Lee at 281.425.6417, glee@lee.edu

Mexican American Studies – MAS4

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.

Core Recommendation

- Language, Philosophy, and Culture
 - HUMA 1301

Area of Concentration (9 SCH)

- HUMA 1305
- ENGL 2351
- ENGL 2331 or ENGL 2341

General Electives (9 SCH)

Contact: Gordon Lee at 281.425.6417, glee@lee.edu

Social Sciences – SS4

Students will gain an understanding of society through the study of historical events, governing institutions, human behavior, and economic development.

Core

Area of Concentration (12 SCH)

- ECON 2301* or ECON 2302*
- PSYC 2301*
- SOCI 1301*
- SOCI 2319*
- Students can count one of these courses for the SBS/GOVT/HIST core curriculum requirement.

Elective Courses (6 SCH)

- Social Sciences Elective
- Literature Elective

General Electives (3 SCH)

Contact: Cassandra Cookson at 281.425.6366, ccookson@lee.edu

Social Work – SW4

Students will gain an understanding of the foundations and practices of social work, and prepare to transfer to a 4-year university program in social work.

Core

Area of Concentration (21 SCH)

- PSYC 2301*
- PSYC 2314
- SOCI 1301*
- SOCI 1306
- SOCI 2319
- SOCW 2361 (Fall only)
- SOCW 2362 (Spring only)
- Students can count either SOCI 1301 or PSYC 2301 for the SBS/GOVT/HIST core curriculum requirement.

Contact: Cassandra Cookson at 281.425.6366, ccookson@lee.edu

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, knowledge of the leading foreign languages has become an important part of the educated person's academic preparation.

Core

Area of Concentration (14 SCH)

- SPAN 1411
- SPAN 1412
- SPAN 2311
- SPAN 2312

General Electives (4 - 6 SCH)

Contact: Francisca Castillo at 281.425.6415, fcastill@lee.edu

Transfer in Allied Health Field – TAH4

This area of concentration provides an Associate of Arts degree that allows for a focus in the Allied Health professions, with the intention to transfer to a BS in nursing or BA program in a related field.

Core Requirement

- Life and Physical Sciences (8 SCH)
One of these two sequential course pairings (a mix will not be considered):
 - BIOL 1406 and 1407
 - or
 - BIOL 2401 and 2402

Area of Concentration (7 – 8 SCH)

- CHEM XXXX (4 SCH)
- Science Elective (3 – 4 SCH)
 - BIOL 2305 Pathophysiology
 - BIOL 1322 Nutrition

General Electives (10 – 11 SCH)

- General electives should be planned after transfer institution requirements have been established.

Contact: Counseling - Marissa Moreno, 281-425-6384

Nursing - Tracy Allen, 281-425-6541

Allied Health – Howard Bushart, 281-425-6308

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.

Core Recommendation

- Math 1314, 1332, or 1342
- Creative Arts
 - ARTS1303 or ARTS1304

Area of Concentration (21 SCH)

- ARTS1303 or ARTS1304
- ARTS1311 (Fall only)
- ARTS1316
- ARTS2313
- ARTS2314
- ARTS2348
- ARTS2349

ARTS Electives – Choose 1 of the following (3 SCH)

- ARTS1317
- ARTS2316
- ARTS2317
- ARTS2356
- ARTS2357

Contact: Stephen Neihaus at 281.425.6485, sneihaus@lee.edu

Visual Arts – VA4

Students will gain a basic understanding of two-and/or three dimensional designs 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.

Core Recommendation

- Math 1314, 1332, or 1342
- Creative Arts
 - ARTS1304 or ARTS1303

Area of Concentration (12 SCH)

- ARTS1303 or ARTS1304
- ARTS1311 (Fall only)
- ARTS1316
- ARTS1317

ARTS Electives - Choose 4 of the following (12 SCH)

- ARTS1312 (Spring only)
- ARTS2316
- ARTS2317
- ARTS2323 (Spring only)
- ARTS2324 (Spring only)
- ARTS2326
- ARTS2327
- ARTS2333 (Spring only)
- ARTS2334 (Spring only)
- ARTS2346
- ARTS2347
- ARTS2356
- ARTS2357

Contact: Jennifer Herzberg at 281.425.6484, jherzberg@lee.edu or Stephen Neihaus at 281.425.6485, sneihaus@lee.edu

Areas of Concentration AS Degree

Biology – BI3

Students will gain a basic understanding of Nature, critical thinking, and problem solving appropriate for a profession in biology.

Core Requirement

- Life and Physical Sciences
 - BIOL 1406
 - BIOL 1407
- Mathematics
 - MATH 2413
- Communication Area Option
 - SPCH 1315

Area of Concentration (20 SCH)

- CHEM 1411
- CHEM 1412
- CHEM 2423
- BIOL elective
- PHYS 1401

Transfer comments: Students majoring in pre-professional fields - such as pre-medical, pre-dental, pre-physical therapy, and others - need to see one of the biology advisors.

Contact: Yihfen Yen at 832.556.4510, yfen@lee.edu or Tom O’Kuma at 281.425.6522, tokuma@lee.edu

Chemistry – CH3

Students will gain a basic understanding of Nature, critical thinking, and problem solving appropriate for a profession in chemistry.

Core Requirement

- Life and Physical Sciences
 - CHEM 2423
 - CHEM 2425
- Mathematics
 - MATH 2413
- Social/Behavioral Science
 - ECON 2301
- Communication Area Option
 - SPCH 1315

Area of Concentration (23 SCH)

- CHEM 1411
- CHEM 1412
- MATH 2414
- MATH 2320
- PHYS 2425
- PHYS 2426

Contact: Harry Pang at 281.425.6343, hpang@lee.edu

Environmental Science – EV3

Students will gain the basic understanding of Nature, critical thinking, and problem solving appropriate for a profession in environmental science.

Core Requirement

- Life and Physical Sciences
 - ENVR 1401
 - ENVR 1402
- Mathematics
 - MATH 2412
- Communication Area Option
 - SPCH 1315

Area of Concentration (8 SCH)

- CHEM 1411
- GEOL 1405

Science Electives (8 SCH) General Electives (1 - 3 SCH)

Contact: Jim Dobberstine at 281.425.6354,
jdobberstine@lee.edu

Geology – GY3

Students will gain the basic understanding of Nature, critical thinking, and problem solving appropriate for a profession in geology.

Core Requirement

- Life and Physical Sciences
 - GEOL 1403
 - GEOL 1404
 - GEOL 1447
- Mathematics
 - MATH 2413
- Social/Behavioral Science
 - ECON 2301
- Communication Area Option
 - SPCH 1315

Area of Concentration (16 SCH)

- GEOL 1405
- MATH 2414
- CHEM 1411
- PHYS 2425

General Electives (1 - 3 SCH)

Contact: Sharon Gabel at 281.425.6335, sgabel@lee.edu

Mathematics – MAT3

Students will gain a basic understanding of Nature, critical thinking, and problem solving appropriate for a profession in mathematics.

Core Requirement

- Life and Physical Sciences
 - PHYS 2425
 - PHYS 2426
- Mathematics
 - MATH 2413
- Social/Behavioral Science
 - ECON 2301
- Communication Area Option
 - SPCH 1315

Area of Concentration (14 SCH)

- MATH 2414
- MATH 2415
- MATH 2318 (Fall only)
- MATH 2320 (Spring only)

General Electives (4 - 6 SCH)

Contact: Sharon Graber at 281.425.6345, sgrab@lee.edu or

Physics – PS3

Students will gain a basic understanding of Nature, critical thinking, and problem solving appropriate for a profession in physics.

Core Requirement

- Life and Physical Sciences
 - PHYS 2425
 - PHYS 2426
- Mathematics
 - MATH 2413
- Social/Behavioral Science
 - ECON 2301
- Communication Area Option
 - SPCH 1315

Area of Concentration (22 SCH)

- CHEM 1411
- CHEM 1412
- MATH 2414
- MATH 2415
- MATH 2318 (Fall only)
- MATH 2320 (Spring only)

Contact: Tom O’Kuma at 281.425.6522, tokuma@lee.edu or
Evan Richards at 281.425.6310, erichards@lee.edu

Pre-Engineering – EGR3

Students will gain the basic understanding of Nature, critical thinking, and problem solving appropriate for a profession in engineering.

Core Requirement

- Life and Physical Sciences
 - PHYS 2425
 - PHYS 2426
- Mathematics
 - MATH 2413
- Social/Behavioral Science
 - ECON 2301
- Communication Area Option
 - SPCH 1315

Area of Concentration (20-26 SCH)

- ENGR 1201
- ENGR 1304
- CHEM 1412
- MATH 2414
- MATH 2415
- MATH 2320 (Spring only)
- ENGR 2301 Elective *
- ENGR 2304 Elective *

* Required by some, but not all engineering disciplines. Contact Evan Richards at 281.425.6310 or erichards@lee.edu for more information.

Transfer comments: Students majoring in a specific field of engineering need to see one of the engineering advisors.

Contact: Evan Richards at 281.425.6310, erichards@lee.edu or Tom O’Kuma at 281.425.6522, tokuma@lee.edu

Other: Mechanical Engineering majors also need to take ENGR 2302 and ENGR 2407.

