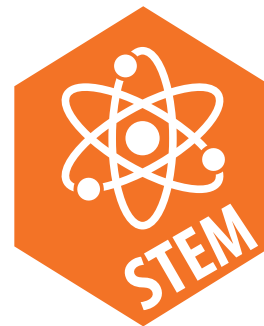


# LEE COLLEGE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH (STEM) CORE CURRICULUM OPTIONS

## High School Endorsement: Science, Technology, Engineering, & Math

The study of STEM engages students who want to understand the human body, the planet, computers, or how things are built. The Associate's degree at Lee College is designed for transfer to Bachelor's degrees in Science, Technology, Engineering, and Math.

Students planning to transfer to four-year schools should be aware that each college determines its own degree requirements. Different colleges require different courses for the same degree. Therefore, students who plan to transfer should use the degree plan requirements at the transfer institution to guide their choice of courses at Lee College. The best source of information regarding degree plan requirements is the official catalog on the transfer institution's website. Credits earned at Lee College in academic courses are generally accepted by accredited Texas public colleges as specific courses requirements or elective credit hours. Students are responsible for understanding transfer institution degree requirements. Taking courses beyond those listed in this table may result in excess credits hours. While excess credits may help students meet high school requirements, the same classes may not count toward a college degree and could impact future Financial Aid eligibility.



## SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH

### Suggested Dual Credit Course Sequence

**Institutional Requirement**  
(mandatory for all students)

**Creative Arts**  
(select one)  
**Oral Communication**

**Communication**  
(both courses required)  
**American History**  
(both courses required)  
**Life and Physical Science**  
(sequential pair)

**Government/PS**  
(both courses required)  
**Mathematics**  
**Social & Behavioral Science**  
**Lang/Phil/Culture**  
(select one)

For information on associate degree completion, contact the **Advising/Counseling Center** at **281.425.6384**.

Component Area	Approved Core Courses <i>**Course availability varies by high school and district**</i>	Credit Hours
<b>Communication</b> BOTH COURSES REQUIRED	ENGL 1301 - English Composition I Credits: 3 ENGL 1302 - English Composition II Credits: 3	6
<b>Mathematics</b>	MATH 1314 - College Algebra Credits: 3	3
<b>Life &amp; Physical Science</b> SELECT A PAIR OF COURSES  *Courses have a lab component that makes them 4 credit hours each. Only 6 credit hours are needed to meet this component area. Extra hours are applied to Institutional Requirement Component Area	BIOL 1406 - General Biology I Credits: 4 BIOL 1407 - General Biology II Credits: 4  CHEM 1411 - General Chemistry I Credits: 4 CHEM 1412 - General Chemistry II Credits: 4  PHYS 1401 - College Physics I: Mechanics and Heat Credits: 4 PHYS 1402 - College Physics II: Sound, Electricity, Magnetism, Light, and Modern Physics Credits: 4	6*
<b>Language, Philosophy &amp; Culture</b> SELECT ONE COURSE	ENGL 2322 - English Literature: Beowulf to Romantic Credits: 3 ENGL 2323 - English Literature: Romantic to Present Credits: 3 ENGL 2351 - Mexican-American Literature Credits: 3 HIST 2321 - History of World Civilization to 1500 Credits: 3 HIST 2322 - History of World Civilization from 1500 to Present Credits: 3 HIST 2381 - African American History I Credits: 3 HIST 2382 - African American History II Credits: 3 HUMA 1301 - Introduction to the Humanities I Credits: 3 HUMA 1305 - Introduction to Mexican-American Studies Credits: 3 HUMA 2319 - American Minority Studies Credits: 3	3
<b>Creative Arts</b> SELECT ONE COURSE	ARTS 1303 - Art History I (Prehistoric to the 14th century) Credits: 3 ARTS 1304 - Art History II (14th Century to the present) Credits: 3 MUSI 1306 - Music Appreciation Credits: 3	3
<b>American History</b> BOTH COURSES REQUIRED	HIST 1301 - History of the United States to 1877 Credits: 3 HIST 1302 - History of the United States Since 1877 Credits: 3	6
<b>Government/Political Science</b> BOTH COURSES REQUIRED	GOVT 2305 - Federal Government Credits: 3 GOVT 2306 - Texas Government Credits: 3	6
<b>Social &amp; Behavioral Sciences</b>	ECON 2301 - Principles of Economics: Macro Credits: 3	3
<b>Oral Communication</b>	SPCH 1315 - Principles of Public Speaking Credits: 3	3
<b>Institutional Requirement</b>	EDUC 1200 - Learning Frameworks Credits: 2	3
The core curriculum is an essential, state mandated component of the AA, AS, and AAT degrees. This table above provides course options to meet the General Education Core Curriculum requirements and matches those listed for the Associate of Arts (AA) degree. A course is only counted once in meeting core curriculum requirements. Course title and descriptions are found in the Course Descriptions area of Lee College Catalog.		

Subject to Change. Last updated 2/7/2022