

ENGINEERING TECHNOLOGY

ASSOCIATE IN SCIENCE

The Mathematics and Physics Department at LCC strives to work with students and help them succeed in their degree, career and transfer plans by providing quality courses in mathematics and physics. The full time faculty of the department all have graduate degrees in their fields. The college offers smaller class sizes and the opportunity for more attention to the student as an individual.

Credits Required: 60-63

Major Advisors: Ralph Gouvion
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Recommended Course Sequence (Engineering Technology):

SEM 1: MATH 125, MATH 120

SEM 2: MATH 121, COMP 138

SEM 3: MATH 130, PHYS 201, or PHYS 203

SEM 4: MATH 131, PHYS 205, or PHYS 208

Accreditation

The Mathematics and Physics Department are active participants in the Kansas Core Outcomes Group, which meets annually and seeks to ensure transfer of general education mathematics courses between the various colleges, technical schools, and universities in the Regents' System in Kansas.

Requirements

First time enrollees in math courses at LCC can be placed into math courses via either their ACT Math Score, by transferring courses from sister institutions, or by taking the NEXT GENERATION ACCUPLACER Placement Test. Information concerning placement score requirements can be found on page 27 of this catalog.

Students seeking the two year Associate Degree in Math/Physics/Engineering should set a goal of starting in Calculus I in the fall semester of their freshman year if entering the program as a traditional student. Students seeking to transfer into an Engineering Technology program should anticipate starting at least at a College Algebra level in their fall semester, freshman year.

After Graduation

Career Information in Math/Physics/Engineering:
<http://www.bls.gov/ooh/architecture-and-engineering/home.htm>
<http://www.bls.gov/ooh/business-and-financial/home.htm>
<http://www.bls.gov/ooh/computer-and-information-technology/home.htm>
<http://www.bls.gov/ooh/education-training-and-library/home.htm>
<http://www.bls.gov/ooh/life-physical-and-social-science/home.htm>
<http://www.bls.gov/ooh/math/home.htm>

Concentration Requirements			20
<input type="checkbox"/>	MATH 130	Calculus I	5
<input type="checkbox"/>	MATH 131	Calculus II	5
<input type="checkbox"/>	PHYS 201	College Physics I <i>or</i>	
<input type="checkbox"/>	PHYS 203	Engineering Physics I	5
<input type="checkbox"/>	PHYS 205	College Physics II <i>or</i>	
<input type="checkbox"/>	PHYS 208	Engineering Physics II	5

Pathway Requirements			33-35
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Written Communication			
<input type="checkbox"/>	ENGL 101	English Composition I	3
<input type="checkbox"/>	ENGL 102	English Composition II	3
Verbal Communication			
<input type="checkbox"/>	COMM 101	Public Speaking	3
Quantitative/Analytic Methods			
<input type="checkbox"/>	MATH 115	College Algebra <i>or</i>	
<input type="checkbox"/>	MATH 120	Elementary Statistics	3
Human Experience			
<input type="checkbox"/>	ART 103	Drawing I	3
Human Systems/No companion Elements			
Choose one class			
<input type="checkbox"/>	_____		3
Human Systems/Diverse Perspectives			
Choose one class			
<input type="checkbox"/>	_____		3
Human Systems/Social Responsibility			
Choose one class			
<input type="checkbox"/>	_____		3
Natural World/Scientific Inquiry			
<input type="checkbox"/>	CHEM 124	College Chemistry I	5
Wellness Strategies/No Companion Elements			
Choose one class			
<input type="checkbox"/>	_____		1-3
Wellness Strategies/Scientific Inquiry			
<input type="checkbox"/>	PSYC 101	General Psychology	3
General Electives			7-8
<input type="checkbox"/>	CHEM 126	College Chemistry II	5
<input type="checkbox"/>	LEAR 102	Research Skills	1
<input type="checkbox"/>	MATH 120	Elementary Statistics	3
<input type="checkbox"/>	MATH 125	Trigonometry	3

General Education Electives can be found on page 86.

Pathway Requirements can be found on page 90