



CIVIL ENGINEERING

ASSOCIATE OF SCIENCE

Program Requirements

GENERAL EDUCATION REQUIREMENTS	CREDIT HOURS
COMMUNICATION	9
ENGL 1010: English Composition I	3
ENGL 1020: English Composition II	3
COMM 2025: Fundamentals of Communication or any approved speech/communication general education course	3
HUMANITIES & FINE ARTS (minimum 1 course in literature)	9
Any approved humanities or fine arts general education course	3
Any approved humanities or fine arts general education course	3
(literature) Any approved humanities literature general education course	3
SOCIAL/BEHAVIORAL SCIENCES	6
Any approved Social/Behavioral Sciences general education course ¹	3
Any approved Social/Behavioral Sciences general education course ¹	3
HISTORY	6
Any approved History general education course	3
Any approved History general education course	3
NATURAL SCIENCES	8
PHYS 2110: Calculus - Based Physics I	4
PHYS 2120: Calculus - Based Physics II ²	4
MATHEMATICS	4
MATH 1910: Calculus I	4
GENERAL EDUCATION TOTAL	42
AREA OF EMPHASIS REQUIREMENTS (Major)	
MATH 1920: Calculus II	4
MATH 2110: Calculus III	4
MATH 2010: Introduction to Linear Algebra or Math 2050: Calculus-Based Probability/Statistics ³	3
MATH 2120: Differential Equations	3
CHEM 1110: General Chemistry I	4
ENGR 2110: Statics	3
ENGR 2120: Dynamics or ENGR 2460: Mechanics of Materials	3
AREA OF EMPHASIS REQUIREMENTS & ELECTIVES TOTAL	24
DEGREE TOTAL	66



NOTES:

¹ Students transferring to UTK or UTC should take ECON 2100: Macroeconomics and ECON 2200: Microeconomics. Students transferring to UTM should take ECON 2100: Macroeconomics.

² Students transferring to LMU should take a Geology (GEOL) elective and not PHYS 2120.

³ UTK, TSU, UoM, and LMU do not require Math 2010 Linear Algebra but do require a 3 hour course in Probability/Statistics. Students transferring to TTU should take Math 2010 Linear Algebra.

NOTE: Students are strongly encouraged to complete a course in Mechanics of Materials, also known as Strength of Materials or Solid Mechanics, before transferring to a university.

NOTE: Although it is possible to complete the B.S. Degree in Civil Engineering in four semesters after earning the associate's degree, students typically need five or six semesters to complete the requirements.

NOTE: Courses in Engineering Technology do not fulfill any of the requirements for the Area of Emphasis in Civil Engineering

