



MECHANICAL 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 ²	3
Any approved History general education course ²	3
NATURAL SCIENCES	8
PHYS 2110: Calculus-based Physics I	4
PHYS 2120: Calculus-based Physics II	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 ³	3
MATH 2120: Differential Equations	3
CHEM 1110: General Chemistry I	4
ENGR 2110: Statics	3
ENGR 2120: Dynamics	3
AREA OF EMPHASIS REQUIREMENTS & ELECTIVES TOTAL	24
DEGREE TOTAL	66



NOTES:

¹ Students transferring to UTK or UoM should take ECON 2100: Macroeconomics as one of their Social/Behavioral Science general education courses.

² Students transferring to UTC will need to complete at least one course in, non-Western Cultures.

³ Students transferring to UTC will need to take an Introductory Statistics course. MATH 2010: Introduction to Linear Algebra is not required at UoM, UTC, or UTK

NOTE: Courses in engineering technology do not fulfill any of the requirements for the Area of Emphasis in Mechanical Engineering.

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

