MECHANICAL ENGINEERING TENNESSEE TRANSFER PATHWAY A.S.
University Parallel Major
Business & Technology
Associate of Science Degree
GENERAL EDUCATION REQUIREMENTS (42 credit hours)

COMMUNICATIONS (9 credit hours)

- ENGL 1010 - English Composition I
- ENGL 1020 - English Composition II
- SPCH 1010 - Fundamentals of Speech

HUMANITIES/ OR FINE ARTS (9 credit hours)
At least one course must be in Literature

THREE OF THE FOLLOWING:

- ARTA 1030 - Art Appreciation
- MUSA 1030 - Music Appreciation
- THEA 1030 - Introduction to Theatre
- ENGL 2130 - Survey of American Literature
- ENGL 2230 - Survey of British Literature
- ENGL 2310 - Survey of World Literature I
- ENGL 2320 - Survey of World Literature II
- ENGL 2330 - Survey of World Literature

SOCIAL/BEHAVIORAL SCIENCES (6 credit hours)

TWO OF THE FOLLOWING:

- ANTH 2010 - Introduction to Anthropology
- COMM 1010 - Introduction to Mass Communications
- ECON 2010 - Macroeconomics
- ECON 2020 - Microeconomics
- GEOG 1030 - Cultural Geography
- GEOG 2010 - World Regional Geography
- HPE 2340 - Wellness Perspectives and Lifestyles
- POLS 1030 - American Government
- POLS 2010 - State and Local Government
- PSYC 1030 - General Psychology
- SOCI 1010 - Introduction to Sociology
- SOCI 1020 - Social Problems
- SOCI 2010 - Marriage and Family

HISTORY (6 credit hours)

OPTION 1: (taken in any order)

- HIST 1010 - Survey of Western Civilization I
- HIST 1020 - Survey of Western Civilization II

OR

OPTION 2: (taken in any order)

- HIST 1110 - Survey of World Civilization I
- HIST 1120 - Survey of World Civilization II

OR

OPTION 3:
Two of the following: (taken in any order)

- HIST 2010 - Survey of American History I
- HIST 2020 - Survey of American History II
- HIST 2030 - Tennessee History

NATURAL SCIENCES (8 credit hours)

- PHYS 2110 - Calculus Based Physics I
- PHYS 2120 - Calculus Based Physics II

MATHEMATICS (3 credit hours)

- MATH 1910 - Calculus I

AREA OF EMPHASIS REQUIREMENTS (24 credit hours)

- MATH 1920 - Calculus II
- MATH 2110 - Calculus III
- MATH 2010 - Elements of Linear Algebra
- MATH 2120 - Differential Equations
- CHEM 1110 - General Chemistry I
- ENGR 2110 - Statics
- ENGR 2120 - Dynamics (Particles and Rigid Bodies)

Semester Hours Credit: 66

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

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

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 requirements.