ENGINEERING
Mechanical Engineering Option
University Transfer Option

University Transfer Degree Information:
Students should work closely with an academic advisor each semester to make certain you are enrolled in the correct courses for your degree program, especially if you are planning to transfer to a four-year college or university. Students are encouraged to begin a dialogue with their intended transfer schools as early as possible. Early coordination between TCC academic advisors and advisors from selected four-year institutions can streamline the transfer process. It is the student's responsibility to ensure that he/she understands the program/admission/transfer requirements for the transfer school.

Degree Awarded: Associate in Science

For More Information Contact:
Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542

General Education Requirements Credit Hours: 21
Additional General Education Requirements are satisfied through Specialized Course Requirements.

English 6 hours
*ENGL 1113 Composition I
*ENGL 1213 Composition II

Humanities 6 Hours
See the General Education Requirements page for course list.

Social Science 6 hours
POLS 1113 American Federal Government
and select one course from the following:
HIST 1483 U.S. History 1492 to Civil War Era
HIST 1493 U.S. History Civil War Era to Present

Required Electives 3 hours
Select one three-hour course from one of the following:
Psychology, Social Sciences, Foreign Language, or Fine Arts (Art, Music, Theatre).

Specialized Course Requirements Credit Hours: 48
Chemistry 5 hours
*CHEM 1315 General Chemistry I

Engineering 20 hours
ENGR 1111 Introduction to Engineering
*ENGR 1132 Engineering Design with Computer Aided Design
**ENGR 1242 Introductory Engineering Computer Programming
*ENGR 2103 Engineering Statics
*ENGR 2143 Engineering Strength of Materials
*ENGR 2213 Thermodynamics
*ENGR 2523 Elementary Dynamics
*ENGR 2613 Introduction to Electrical Science

Mathematics 15 hours
*MATH 2114 Analytic Geometry and Calculus I
*MATH 2124 Analytic Geometry and Calculus II
*MATH 2134 Analytic Geometry and Calculus III

*MATH 2613 Elementary Differential Equations

Physics 8 hours
*PHYS 2034 Engineering Physics I
*PHYS 2124 Engineering Physics II

Total Credit Hours: 69
*Course has prerequisite (See course description section of catalog). **Recommended for all engineering majors.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency.

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