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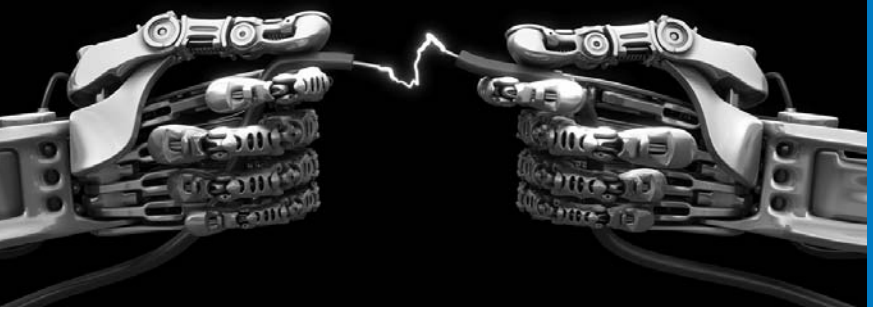

Students with engineering degrees are recruited for high-demand positions worldwide. Engineering graduates typically start their careers as design engineers, field service engineers, or process engineers. Engineering salaries have historically been among the highest of the four-year degrees.

The Pre-Engineering program at MTSU requires additional study at an engineering school such as Tennessee State University, Tennessee Technological University, the University of Memphis, the University of Tennessee, or Vanderbilt University in order to obtain an engineering degree. Depending on the program chosen, a student will complete two or three* years of the curricula at MTSU. Students should consult their advisors and an advisor at the school to which they want to transfer for specific information on acceptance/transfer of courses.

*Additional classes are available to juniors based on the school they plan to attend. For example, MTSU offers a variety of engineering courses that may be available to third-year, pre-engineering students. Those wanting to stay for a third year and take these courses may do so, but they must consult their advisors in advance.

For more information

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Freshman

ENGL 1010	Expository Writing
ENGL 1020	Research and Argumentative Writing
MATH 1910	Calculus I
MATH 1920	Calculus II
CHEM 1110	General Chemistry I
CHEM 1111	General Chemistry I lab
PHYS 2110	Calculus-based Physics I
PHYS 2111	University Physics Laboratory I
ET 1840	Engineering Fundamentals
ET 2310	Computer-Assisted Drafting/Design I
CSCI 1170	Computer Science I

Sophomore

CHEM 1120	General Chemistry II
CHEM 1121	General Chemistry II lab
PHYS 2120	Calculus-based Physics II
PHYS 2121	University Physics Laboratory II
MATH 3110	Calculus III
MATH 3120	Differential Equations I
STAT 3150	Mathematical Statistics I
ET 3360	Computer-assisted Drafting/Design II
ET 3830	Statics
ET 3840	Dynamics
ET 3860	Strength of Materials
ET 4970	Engineering Economy
COMM 2200	Fundamentals of Communication

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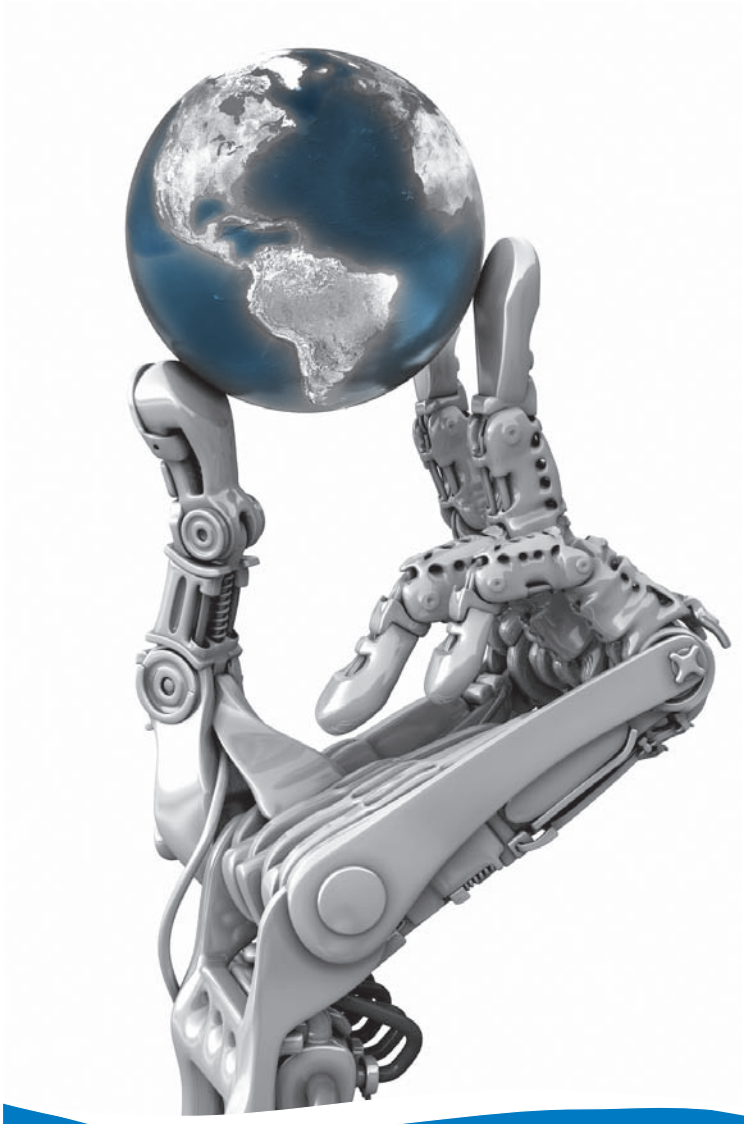
Pre-Engineering



a program in the
Engineering Technology Department