MECHANICAL ENGINEERING TECHNOLOGY

College of Engineering

Bachelor of Science
4-year program

sound like you?

Design computers • Complete quality control tests for cars • Maintain airplanes

did you know?

Engineer Frederick Royce joined forces with car dealer Charles Rolls to introduce their first Rolls Royce car in 1904.

Mechanical Engineering Technology at UT

Mechanical engineering technology (MET) involves solving design problems as well as designing, operating and testing mechanical systems. Possible careers in MET deal with systems design, maintenance, manufacturing and plant operations, testing, quality control, inspection, sales, consulting and customer service.

Graduates of UT's mechanical engineering technology program qualify for registration as Professional Engineers after a period of professional engineering employment (eight years in Ohio) and completing the Fundamentals of Engineering (FE) Exam and the Professional Engineering (PE) Exam. Also, graduates of the bachelor of science degree programs in engineering technology are eligible to pursue a master of science in engineering through the College of Engineering's part-time, evening graduate program.

What to expect when you graduate

Mechanical engineering technology graduates are prepared for jobs in automotive design, process and system design such as production, packaging, material handling and the use of tools such as computerized design and modeling. Certification in specialty areas of practice can be pursued, such as Fluid Power Certification. Starting salaries are very competitive given the rise of technology in today's society.

Check out all our majors online @ *utoledo.edu/admission/majors.asp*

THE UNIVERSITY OF TOLEDO
1872

MECHANICAL ENGINEERING TECHNOLOGY

The College of Engineering is one of ten mandatory engineering co-op programs in the United States. Engineering Technology students may optionally participate in the co-op program. It also has one of the nations top 20 graduate engineering programs as ranked by the Princeton Review.

College of Engineering

Group campus tours are available Monday through Friday at 10:30 a.m. or 2:30 p.m., and on Saturday at 11:15 a.m., year round, with the exception of national holidays. Individual admission appointments are available by request. Individualized college or department visits are also available weekdays at 1:15 p.m. by appointment.

utoledo.edu/admission/campusvisit
800.5TOLEDO

Sample Curriculum*

FIRST YEAR

Fall Semester

MATH 1330 Trigonometry	3
ENGT 1000 Intro to Engineering Tech	1
ENGT 1050 Computers for Eng Tech	3
MET 1020 Technical Drawing	3
MET 1110 Metal Machining & Processes	3
MET 1120 Metal Mach & Proc Lab	1
Total	14 hrs.

Spring Semester

ENGL 1110 College Composition I	3
MET 1250 CADD	4
PHYS 2010 Technical Physics I	4
Humanities/Social Science Electives	6
Total	17 hrs.

SECOND YEAR

Fall Semester

PHYS 2020 Technical Physics II	4
MATH 2450 Technical Calculus I	4
ENGL 2950 Sci & Tech Report Writing	3
MET 2100 Eng Mechanics: Statistics	3
MET 2150 Num Control Apps or MET 2350 CADD II	4
Total	18 hrs.

Spring Semester

MATH 2460 Technical Calculus II	4
MET 2210 Technical Thermodynamics	4
MET 2120 Eng Mech: Strength of Materials	4
MET 2050 Fluid & Hydraulic Mechanics	4
Total	16 hrs.

THIRD YEAR

Fall Semester

ENGT 3010 Applied Statistics and Design of Experiments	4
ENGT 3020 Applied Engineering Math	3
MET 3400 Dynamics	3
COMM 3810 Group Communication	3
CHEM 1230 General Chemistry I	4
CHEM 1280 General Chemistry Lab I	1
Total	18 hrs.

Spring Semester

MET 3100 Applied Thermodynamics	4
MET 3200 Mechanical Design I	3
ENGT 3040 Applied Materials Science	4
Humanities Elective	3
Professional Development Elective	1
Total	15 hrs.

FOURTH YEAR

Fall Semester

MET 4100 Applied Fluid Mechanics	4
MET 4200 Mechanical Design II	3
ENGT 3050 Fundamentals of Electricity	4
Social Science/Multicultural Electives	6
Total	17 hrs.

Spring Semester

ENGT 4050 Senior Tech Capstone	3
EET 4450 Automatic Control Systems.	4
Technical Elective	3
Multicultural Elective	3
Professional Development Elective	3
Total	16 hrs.

*Sample curriculum is subject to change. Please consult the department for up-to-date information. For more detailed program requirements, visit catalog.utoledo.edu.

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