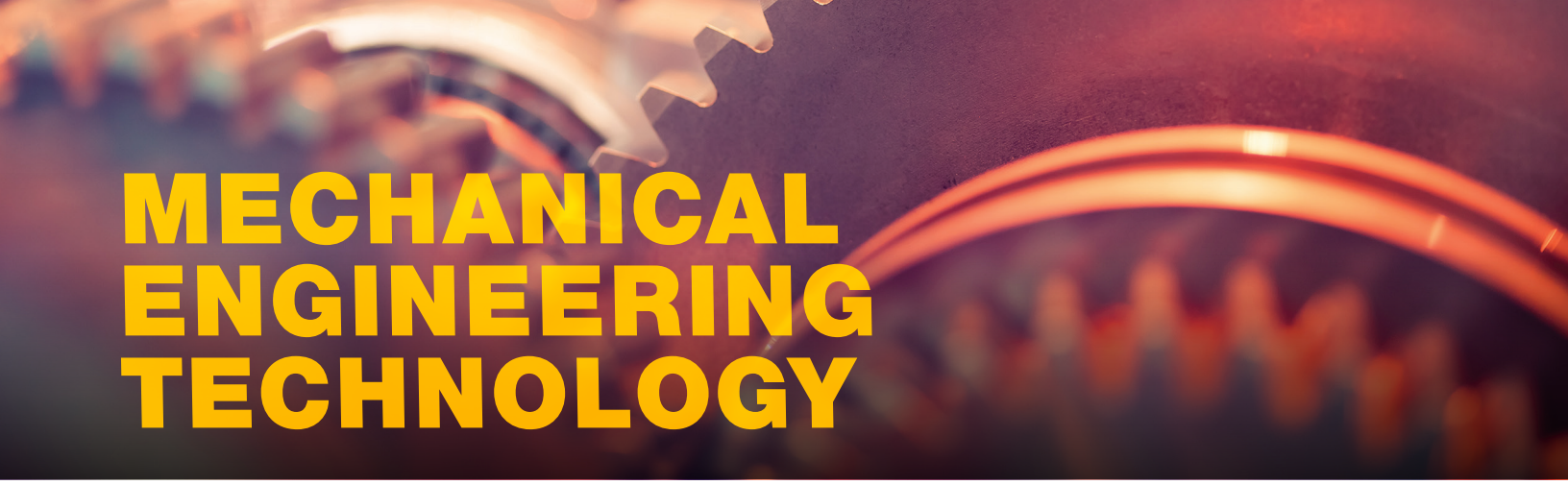

MECHANICAL ENGINEERING TECHNOLOGY

BACHELOR OF SCIENCE
4-YEAR PROGRAM

SOUND LIKE YOU?

TEST NEW PRODUCT DESIGN.

DESIGN EQUIPMENT AND SYSTEMS.

DEVELOP MANUFACTURING AND ASSEMBLY PROCESSES.

ADAPT NEW TECHNOLOGY TO CURRENT PRODUCTS.

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 INVOLVES SOLVING DESIGN PROBLEMS AS WELL AS DESIGNING, OPERATING AND TESTING MECHANICAL SYSTEMS. POSSIBLE CAREERS INCLUDE SYSTEMS DESIGN AND 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 and Professional Engineering exams. Also, graduates of our bachelor of science degree programs are eligible to pursue master's of science degrees in engineering through the College of Engineering's part-time, practice-oriented graduate program.

WHAT TO EXPECT WHEN YOU GRADUATE

Mechanical engineering technology graduates are prepared for jobs in automotive design; process and system design, including production; packaging and material handling; and the use of tools, including 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.

UT
COLLEGE OF ENGINEERING
THE UNIVERSITY OF TOLEDO

MECHANICAL ENGINEERING TECHNOLOGY

Group campus tours are available Monday through Friday at 10 a.m. or 2:30 p.m., and on select Saturdays at 11:15 a.m. Individual admission appointments are available by request. Individualized college or department visits also are available weekdays at 1:15 p.m. by appointment.

utoledo.edu/admission/campusvisit • 800.5TOLEDO

Suggested Curriculum*

FIRST YEAR

Fall Semester

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

Spring Semester

ENGL 1110 College Composition I	3
MET 1250 CADD	4
PHYS 2010 Technical Physics I	4
Humanities Elective	3
Social Science Elective	3
Total	17 hours

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: Statics	3
MET 2150 or 2350 Num Control Apps or Advanced CADD	4
Total	18 hours

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 hours

THIRD YEAR

Fall Semester

ENGT 3010 Applied Statistics & Design of Experiments	4
ENGT 3020 Applied Engineering Math	3
MET 3400 Dynamics	3
COMM 2820 Group Communication	3
CHEM 1230 General Chemistry I	4
CHEM 1280 General Chemistry Lab I	1
Total	18 hours

Spring Semester

MET 3100 Applied Thermodynamics	4
MET 3200 Mechanical Design I	3
MET 2310 Applied Materials Science	3
MET 2320 Applied Materials Science Lab	1
Humanities Elective	3
ENGT 2000 Professional Development Elective	1
Total	15 hours

FOURTH YEAR

Fall Semester

MET 4100 Applied Fluid Mechanics	4
MET 4200 Mechanical Design II	3
ENGT 3050 Fundamentals of Electricity	4
Social Science Elective	3
Multicultural Elective/Non-western Tradition	3
Total	17 hours

Spring Semester

ENGT 4050 Senior Tech Capstone	3
EET 4450 Automatic Control Systems	4
Technical Elective	3
Multicultural Elective/Diversity of U.S. Culture	3
Professional Development Elective	3
Total	16 hours

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

For more information about mechanical engineering technology, contact:

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utoledo.edu/engineering

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