

Contact

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Admission Requirements

(In years as established by the college)

A high school diploma with the following specific courses:

- 4 English
- 2 Algebra I & II
- 1 Geometry
- 1/2 Trigonometry
- 2 Lab Science (*including physics*)
- 2 History/Social Studies
- Academic electives (*to equal at least 17 total credits*)

To ensure current mathematical skills, students should take a mathematics course during their senior year of high school.

Major Requirements

- 58 credits Mechanical Engineering Technology
- 4 credits Other Required Course
- 12 credits Technical Electives
- 28 credits Sciences & Mathematics
- 15 credits Human Values & Social Context
- 9 credits Communications (*English, writing, speech*)

126 Minimum total credit hours required for graduation

College of Engineering

Program Description

Engineering technology is the profession in which a knowledge of the applied mathematical and natural sciences gained by higher education, experience and practice is devoted to the application of engineering principles and the implementation of technological advances for the benefit of humanity. Engineering technology education focuses primarily on analyzing, applying, implementing and improving existing technologies. It is aimed at preparing graduates for the practice of engineering closest to the product improvement, manufacturing and engineering operational functions. The program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.

The field of Mechanical Engineering Technology includes mechanical design, manufacturing processes, energy utilization—power generation and heating or air conditioning buildings, and the economics of these activities. Classes emphasize applied engineering and are supplemented by extensive lab experience.

A number of Mechanical Engineering Technology students have had an opportunity to participate in co-op learning experiences such as: M.E.T. Intern, Pratt & Whitney; Engineering Technician, Cianbro Corporation; Engineering Aide, Lemforder Corporation; Engineering Aide, General Electric Company; Engineering Aide, Madison Paper Industry.

Computers: Laptop computers are highly recommended.

Career Opportunities

Graduates work in a wide range of careers including product development, design, testing, manufacturing, operation and maintenance, marketing, sales and administration. Recent graduates of the program have entered such occupations as: Applications Engineer, Ingersoll Rand Company; Design Engineer, Harris Graphics; Manufacturing Engineer, Lemforder Corporation; Project Engineer, Enterprise Engineering; Supervisor for Facilities, General Electric; Test Engineer, National Semiconductor; Staff Engineer, Central Maine Power Company; Project Engineer, Fiber Materials, Inc.; Product Quality Assurance Engineer, Sanders Associates, Inc.; Field Engineer, Combustion Engineering; Preventative Engineer, Fort James; Project Engineer, Champion Paper.

General Education Requirements*

- ENG 101 College Composition
- 18 credits Human Values & Social Context area (*a single course may satisfy more than 1 sub-category, but a total of 18 credits must be completed*)
 - Western Cultural Tradition
 - Social Context & Institutions
 - Cultural Diversity & International Perspectives
 - Population & the Environment
 - Artistic & Creative Expression
- 2 courses Designated Writing Intensive (*1 must be within the major*)
- 2 courses Biological or Physical Sciences (*must include at least 1 laboratory course*)
- 1 course Ethics (*emphasis on discussion of ethical issues in 1 course or series of courses*)
- 6 credits Mathematics (*including statistics & some computer science, only 3 credits in computer science can count toward this requirement*)

General Education Requirements* (continued)

1 capstone An approved experience in which the student integrates the components of his or her undergraduate training to perform at a professional level. The capstone experience is usually completed during the senior year in consultation with the student's academic advisor.

**All UMaine students must complete these general education requirements, which are counted in the total credit hours required for graduation and may be contained in the Major Requirements previously listed.*

Specialized Information

Under the New England Regional Student Program, administered through the New England Board of Higher Education, the Bachelor of Science degree in Mechanical Engineering Technology is open to applicants who reside in Massachusetts, Rhode Island, Vermont, or (New Hampshire beginning 2009) for reduced tuition (in-state tuition plus 50 percent).

Co-op Option

The co-op option is available to students who have completed all requirements for the first and second year of the MET program. Co-op students may spend either two summers or a summer and either a spring or fall semester working in industry. Students working at a co-op position in a normal spring or fall semester will need to take courses in special sessions (May Term or Summer Session) in order to graduate in four years. Co-op gives students a chance to obtain valuable industrial experience, which is a proven competitive advantage when seeking full-time employment after graduation. Many students are offered full-time employment in the companies where they co-op.

Minors

The Business Administration minor is a good choice for students considering the possibility of a Masters in Business Administration. Completion of the minor in Business Administration requires an additional six to nine credits of course work.

Academic Programs 2008-2009

Please refer to the web site (<http://factsheets.umaine.edu/>) for the most updated version of the fact sheets.

This fact sheet is intended for informational purposes only and is subject to change.