Mechanical Engineering Technology MECH

Official Program Checksheet

Why Choose Mechanical Engineering Technology?

In this program students develop an understanding of how mechanical systems perform. They begin by taking classes in engineering graphics and CAD, manufacturing processes and computer applications along with applied mathematics and physics. Writing and general education courses are included in the first year as well. Students are then well prepared to take the applied engineering science courses which give them a solid technical background for a future in technology. Coursework is enhanced with hands-on lab experiences and real-world applications provided by faculty with extensive industrial experience.

The Associate of Applied Science in Mechanical Engineering Technology is accredited by the Engineering Technology Accreditation Commission ABET (ETAC-ABET), http://www.abet.org.

Career Opportunities

Graduates of the Mechanical Engineering Technology program work with others to develop machinery, equipment, products and processes. They operate test equipment, prepare engineering drawings with CAD systems, review designs for specifications, build prototypes of new products and design new or modify existing products and equipment. Employment opportunities in this field are plentiful because manufacturers are continually introducing new products and processes as well as redesigning current ones.

Most graduates of the program continue into the B.S. program in Mechanical Engineering Technology. Some choose to pursue other disciplines such as Product Design Engineering Technology and Manufacturing Engineering Technology. Students receiving their A.A.S. degree accept positions as test technicians, machine designers, product designers, production expediters, quality control technicians, engineering assistants, cost estimators, specifications writers and machinery maintenance technicians.

Admission Requirements

Admission to the College of Engineering Technology is open to high school graduates who demonstrate academic preparedness, maturity and seriousness of purpose with backgrounds appropriate to their chosen program of studies.

Students entering the Mechanical Engineering Technology program should have a strong interest in mechanical devices and seek to understand them better. A background in math and science and/or vocational studies can be a suitable starting point. Admission is open to high school graduates with a 2.75 cumulative GPA along with an 18 ACT composite and a math sub-score of
19 or 950 SAT16 Total and a SAT16 math sub-score of 500. Math 116 placement is required for admissions into the technical sequence.

Students close to the requirements are encouraged to apply and will be reviewed on an individual basis.

Students seeking to transfer into the second year of the program should have, at minimum, math through pre-calculus (MATH 126 or 130) and a college level course in physics equivalent to PHYS 211 or PHYS 241. Courses in engineering graphics, CAD and computer applications are also of benefit but generally can be made up. All applicants must have a cumulative 2.0 gpa or higher.

**General Education Requirements**

All University General Education requirements can be found here: [http://www.ferris.edu/HTMLS/academics/general-education/requirements/AAS.htm](http://www.ferris.edu/HTMLS/academics/general-education/requirements/AAS.htm)

Please consult this link for a complete listing of General Education Electives: [http://www.ferris.edu/HTMLS/academics/general-education/courses/index.htm](http://www.ferris.edu/HTMLS/academics/general-education/courses/index.htm)

Consult the official checksheet or program advisor for program specific General Education requirements.

**Graduation Requirements**

The Mechanical Engineering Technology program at Ferris leads to an associate in applied science degree.

Students must

- maintain a 2.00 cumulative FSU GPA
- have 15 credits of Ferris classes (FSU Residency requirement)
- have a minimum 60 total credits to earn an associate degree
- complete all general education requirements as outlined on the General Education website

**More Information**

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[www.ferris.edu/mech](http://www.ferris.edu/mech)

The College of Engineering Technology Mechanical Engineering Technology AAS program is accredited by the Engineering Technology Accreditation Commission of ABET (ETAC-ABET)

The next accreditation review is 2020-2021.