



Degree Description

Mechanical Engineering

University Center Everett

Overview

Program Focus: Saint Martin's University educates and trains Mechanical Engineers who are employed in the automotive, biomedical, construction, environmental, aviation and aerospace industries, among others.

Possible Careers: Career opportunities include positions with major U.S. and international industrial corporations, construction and consulting engineering firms, public utilities, city, county and state public works departments, military service, and federal engineering organizations. Mechanical engineers also are employed by small and medium-sized manufacturing companies; by heating, ventilation and air-conditioning companies; and in nuclear waste remediation.

Program Features:

- Accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology Inc. (ABET).
- Emphasis on strong fundamentals in engineering science.
- Hands-on laboratory experience in manufacturing, thermal sciences and electrical, electronics and instrumentation.
- Small classes, allowing students to receive individual attention from faculty.

Applications: Most students submit applications in March and begin their classes during summer semester (end of June to mid-August). However, students who have completed the course pre-requisites are accepted on an on-going basis and can begin classes any semester.

Teaching/ Class Format: Most classes are face-to-face with the instructor. However, we have a few that are video classes so expert faculty can teach at two locations at the same time.

Attendance Options:

- Full-time students attend four classes per week, 4:30 – 7:00 pm., each semester. Students with their General Education requirements completed can complete the degree in two (2) years. Those needing some General Education classes may take more than two years to complete the degree.
- Part-time student schedules are individual. Some students take two evening classes (recommended), others take one class. The time needed to complete the program depends upon each student's individual schedule and the status of their general education requirements.

University Center Everett Contact Person:

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Program

Courses: To earn a degree, all students must:

- Complete not less than 128 semester hours of credit. Commonly, students will need 136 semester hours of credit to complete an engineering degree at Saint Martin's.
- Complete not less than 32 semester hours at Saint Martin's University. *Students transferring from a community college must complete no less than 64 credits at Saint Martin's University.* All students must complete certain background or pre-requisite classes either at Saint Martin's or at another institution of higher learning in addition to all other requirements. These classes are commonly the lower division (100 and 200 level) General Engineering classes. Students who have completed the background or pre-requisite class at another institution will not be required to repeat this class at Saint Martin's.
- Fulfill Saint Martin's University's general requirements for graduation including the General Education requirements.

Length at University Center Everett Extension: 64 credits organized into eight-week (summer) and sixteen-week (fall and spring) semesters for two years, evening classes with some Saturday labs at the SMU main campus in Lacey.

Below are the Mechanical Engineering classes offered at University Center Everett. A full list of degree requirements is available from the Administrative Associate listed above.

Course Number	Course Title	Other notes
GE 359	Ethics, Law and Economics	
ME 300/300L	Manufacturing Processes & lab	Lab at Lacey
ME 301	Theory of Machines	
ME 308/309	Fluid Mechanics & lab	
ME 340	Thermodynamics I	
ME 341	Thermodynamics II	
ME 345/345L	Elements Elect. Engineering & lab	Lab at Lacey
ME 347/347L	Heat Transfer & lab	Lab at Lacey
ME 360	Materials Science	
ME 370	Systems Analysis & Design	
ME 401	Machine Design	
ME 415	Instructional/Experimental Design	
ME 498	Senior Design I	
ME 499	Senior Design II	
ME XXX	Elective	
ME XXX	Elective	
ME XXX	Elective	

Cost :

- Tuition: \$350.00 per credit during 2010-2011 school year
- Books: \$675.00 estimated each semester
- No additional fees at this time, although lab fees may be imposed at a later time. Students also travel to Lacey for labs in their own vehicles, so budget in travel costs.