MECHANICAL ENGINEERING, B.S. TO MECHANICAL ENGINEERING, M.S. ACCELERATED PROGRAM

The Accelerated B.S.-M.S. Program (ABM) in Mechanical Engineering enables high performing SLU students to earn both a bachelor's and a master's degree in a five-year period. This accelerated path provides the technical depth and specialization needed for expanded career opportunities.

For additional information, see the catalog entries for the following programs:

Mechanical Engineering, B.S. (https://catalog.slu.edu/colleges-schools/science-engineering/aerospace-mechanical/mechanical-engineering-bs/)

Mechanical Engineering, M.S. (https://catalog.slu.edu/colleges-schools/science-engineering/aerospace-mechanical/mechanical-engineering-ms/)

Requirements

Admission Requirements

To apply to the Accelerated BS-MS (ABM) in Mechanical Engineering program, undergraduate students in the department must have an overall cumulative GPA of 3.25 or higher after completing their fifth semester of study or 75 credit hours of coursework.
The application should be submitted in the fall semester of the third year.

Students selecting the thesis or project option must first seek approval from their tentative research or project advisor before applying.

Admission to the B.S.-M.S. program does not require completion of the bachelor's degree; however, admission to the M.S. degree will require completion of the bachelor's degree.

Program Requirements

Students can take up to 15 credits at the graduate level during their undergraduate program that will count for both their B.S. and their M.S. Courses and requirements included are below.

Undergraduate Program Requirement	Met by Graduate Course
12 credits of Technical electives	Core Courses
Math/Science Elective	Graduate Elective

A grade of C for any class will require the student to retake the class and earn a grade of B or higher or take an equivalent class in its place, where the substitute class needs to be approved by the Graduate Program Coordinator. A student with a GPA below 3.0 or a grade of C in any class (even when the overall GPA is above 3.0) will be placed on academic probation. Students will be allowed 9 credit hours or 2 successive academic terms during which coursework registrations are recorded to return to good standing. Students will not be eligible to graduate while on academic probation.
If a student enrolled in ABM, earns a graduate coursework GPA of less than 3.0 during their final undergraduate year (Year 4), they will be placed on academic probation immediately upon full matriculation into the Master's program after their B.S. graduation.
At the end of their final undergraduate year (Year 4), students' progress is evaluated by the the Graduate coordinator. Upon successful completion of the fourth-year review and the B.S. degree, students will automatically be transitioned to graduate student status.

Roadmap

This roadmap is just one example of a semester-by-semester plan of study for this program. There are other plans students can and do take. The plan of study for each particular student is established in consultation with each student's academic advisor; *this roadmap does not replace academic advising appointments.*

Roadmap notes:

- This Roadmap assumes full-time enrollment unless otherwise noted.
- Courses/Milestones marked with an "!" are critical and must be completed in the semester listed in the Roadmap to ensure a timely graduation.
- Course availability and sequencing are subject to change.

Course	Title	Credits
Year Three		
Fall		
Students apply to the accelerated program		
	Credits	**0**
Spring		
Core Course (counting as UG requirement: Technical Elective)		3
	Credits	**3**
Year Four		
Fall		
Core Courses (counting as UG requirement: Technical Electives)		6
Seminar		0
	Credits	**6**
Spring		
Core Course (counting as UG requirement: Technical Elective)		3
Graduate Elective (counting as UG requirement: Math/Science Elective)		3
	Credits	**6**
Year Five		
Fall		
Foundational Course		3
AENG/MENG Elective		3
MENG 5994	Thesis Research (or Elective)	3
Seminar		0
	Credits	**9**
Spring		
Foundational Course		3
AENG 5994	Masters Thesis Research (or Elective)	3
	Credits	**6**
	Total Credits	**30**

Contact Us

For more information about this and other aerospace and mechanical engineering programs, please email aeromech@slu.edu.