

AEROSPACE AND MECHANICAL ENGINEERING, B.S. DOUBLE MAJOR

This double major option allows a Saint Louis University student, to take additional courses to complete a bachelor's degree with both aerospace and mechanical engineering majors. The student must complete the standard requirements for one of these majors (the primary major). In addition, the student must complete an additional 25 credits in the other field (the secondary major). Students pursuing this option are responsible for creating a schedule that allows them to finish all these courses in a timely fashion while meeting all pre- and co-requisite requirements.

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

Aerospace Engineering, B.S. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/aerospace-engineering-bs>)

Mechanical Engineering, B.S. (<http://catalog.slu.edu/colleges-schools/engineering-aviation-technology/engineering/mechanical-engineering-bs>)

Accreditation

The Aerospace Engineering, Biomedical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Engineering Physics and Mechanical Engineering undergraduate curricula are accredited by the Engineering Accreditation Commission of ABET, www.abet.org (<https://www.abet.org>).

Requirements

Aerospace Engineering Primary, Mechanical Engineering Secondary Additional Courses Required

Code	Title	Credits
MENG 2300	Applied Thermodynamics	3
MENG 2600	Manufacturing Process	3
MENG 3001	Mechanical Engineering Lab	1
MENG 3010	Machine Design	3
MENG 3430	Measurements	3
MENG 3510	Material Science	3
MENG 4004	Design I	3
MENG 4014	Design II	3
MENG 4450	Principles of Mechatronics	3
Total Credits		25

Mechanical Engineering Primary, Aerospace Engineering Secondary Additional Courses Required

Code	Title	Credits
AENG 2000	Intro to Aeronautics & Astron	3
AENG 3000	Performance	3
AENG 3150	Astrodynamics	3
AENG 3210	Gas Dynamics	3
or AENG 3220	Aerodynamics	
AENG 4004	Flight Vehicle Analysis and Design I	3
AENG 4110	Flight Vehicle Structures	3
AENG 4111	Aerospace Laboratory	1

AENG 4210	Propulsion	3
AENG 4400	Stability and Control	3
Total Credits		25

Continuation Standards

Students must maintain a minimum 2.00 GPA.