

MECHANICAL ENGINEERING MINOR

Program Description

A Mechanical Engineering minor allows you to develop a foundation for modeling, analyzing, and designing mechanical and energy systems to accompany your chosen major or to explore mechanical engineering as a second discipline.

Entering and Completing the Minor

In order to earn a degree, you must complete at least one academic major. Minors are not required except for students in the Professional Studies (BA). SPU encourages students to explore various academic paths, including minors, so if you change your mind about a minor or want to include an additional minor, you are able to do so as outlined below.

Note that the University encourages you to enter your chosen minor(s) as soon as you have determined it and are eligible to join it, especially by the start of your junior year. Students who transfer as juniors and seniors should enter a minor within their first two quarters at SPU.

- If this is your first quarter at SPU, request entrance to your minor in Banner by following these instructions (<https://spu.atlassian.net/l/cp/Th4S0jCE>).
- If you are an SPU student with an SPU cumulative GPA of 2.0 or better, follow these instructions (<https://spu.atlassian.net/wiki/spaces/OTR/pages/179077187/Major+Minor+and+Concentration+Application+Instructions>) to enter a minor in this department.
- The University requires a grade of C- or better in all classes that apply to a minor; however, programs may require higher minimum grades in specific courses. You may repeat an SPU course only once for a higher grade.
- To advance in this program, meet with your faculty advisor regularly to discuss your grades, course progression, and other indicators of satisfactory academic progress. If your grades or other factors indicate that you may not be able to successfully complete the minor, your faculty advisor can work with you to explore options, which may include choosing a different minor.
- You must complete the minor requirements that are in effect in the SPU Undergraduate Catalog for the year you enter the minor.

Mechanical Engineering Minor

54 Credits Minimum, Including 26 Upper Division (UD)

Code	Title	Credits
Required Courses		
EGR 1501	Computer Aided Design Applications for Engineers	1
EGR 1502	Machining and Fabricating	1
EGR 1503	Engineering Tools and Systems	1
MAT 1234	Calculus I	5
MAT 1235	Calculus II	5
MAT 1236	Calculus III	5
MAT 3238	Vector Calculus	3
ME 2891	Statics	4
ME 3310	Mechanics of Materials	4

ME 3400	Dynamics	5
ME 3500	Thermal Science I: Thermodynamics	5
ME 3501	Thermal Science II: Fluid Mechanics	5
PHY 1121	Physics for Science and Engineering	5
PHY 1122	Physics for Science and Engineering	5
Total Credits		54