

Bachelor of Science Engineering - Mechanical Engineering Admission and Pre-Major Requirements

Admission:

To enter the Mechanical Engineering major, a student must be admitted to the College of Engineering.

All programs in the College of Engineering require elevated levels of mathematics preparedness. A student admitted to UNLV must meet one of the following requirements for admission to the College of Engineering:

- SAT Mathematics Score of 520 or higher, or
- ACT Mathematics Score of 23 or higher, or
- Grade of C or better in MATH 096, or
- Placement into MATH 126 (Precalculus) or above by the UNLV Department of Mathematical Sciences.

High school graduates are strongly advised to complete four years of English, four years of high school mathematics including AP Calculus, three years of high school science including chemistry, physics and one AP science course while in high school.

Pre-Major:

Students who have been admitted to the College of Engineering and are interested in being admitted to the Mechanical Engineering major will be placed in Mechanical Engineering Pre-major.

The Pre-major courses for Mechanical Engineering are listed below.

Mathematics - Credits: 8

- MATH 181 - Calculus I (fulfills the General Education Mathematics Requirement)
- MATH 182 - Calculus II

Sciences - Credits: 12

- CHEM 121A - General Chemistry I

- CHEM 121L - General Chemistry Laboratory I
- PHYS 180 - Physics for Scientists and Engineers I
- PHYS 180L - Physics for Scientists and Engineers Lab I
- PHYS 182 - Physics for Scientists and Engineers III
- PHYS 182L - Physics for Scientists and Engineers Lab III

Engineering - Credits: 6

- CEE 241 - Statics
- ME 242 - Dynamics

Drafting Requirement - Credits: 1

Choose one course from:

- ME 220 – 3D Modeling with Pro Engineer
- ME 240 – 3D Modeling with Solidworks

Total Mechanical Engineering Pre-major credits: 27