

ENGINEERING

Diploma

Pinewood offers an Engineering Diploma designed for those interested in pursuing engineering as a career pathway. The purpose of the program is to expose students to a variety of concepts, skills, and applications that will provide the student with a solid background for undergraduate study in an engineering field of study.

The foundation of the Engineering Diploma at Pinewood is a considerable sequence of college-level mathematics and science courses; courses in technology, and a required robotics course. Many of the required courses will sync with existing graduation requirements in science, mathematics, and technology. Candidates interested in pursuing this program must also complete an internship in an engineering field as part of their Leadership Institute requirement. Each of these components is designed to deliver an innovative and comprehensive pre-engineering curriculum while engaging students in hands-on, collaborative activities they will need to develop the skills necessary to pursue engineering degrees and careers. Students completing these requirements will receive a special diploma designation.

Requirements for the Engineering Diploma Program are:

Honors Pre-Calculus or Advanced Placement Calculus (AB or BC)

Honors or Advanced Placement Physics

Computer Science

Robotics

Internship in an engineering field

