

Engineering Principles II

- PS 1 Students will identify potential safety hazards and follow general laboratory safety practices. ([Strand 1, Standard 1](#))
- PS 2 Students will investigate career opportunities within the world of Engineering. (Strand 2)
- PS 3 Students will understand and develop positive work ethics, communication skills, and leadership skills. ([Strand 3](#))
- PS 4 Students will identify the qualities of successful engineering design, recognize its role in society, and develop projects using an engineering design process. ([Strand 4, Standard 1](#))
- PS 5 Students will identify the requirements for and the role of intellectual property in design. ([Strand 4, Standard 3](#))
- PS 6 Students will recognize and demonstrate that there are many possible successful designs and that a design process does not always result in a single best design. ([Strand 4, Standard 10](#))
- PS 7 Students will understand ways in which Chemical Engineering can enhance the lives of individuals. ([Strand 5](#))
- PS 8 Students will understand ways in which Bioengineering can enhance the lives of individuals. ([Strand 6](#))
- PS 9 Students will participate in significant activities that provide students with an opportunity to render service to others, employ leadership skills and demonstrate skills they have learned through the course. ([Performance skill 3](#))