The **Program Educational Objectives (PEOs)** for the IWU engineering program are to educate and prepare students to honor God with their lives by being ethical, productive, and contributing members of society. Within three to five years following graduation, graduates will:

1. Be known as Christ-like professionals, leading ethically with a servant's heart.
2. Collaborate and effectively communicate with cross-functional teams to engineer creative and sustainable solutions, to maintain and advance God's Kingdom.
3. Pursue professional development and advancing knowledge in their fields by obtaining certifications, advanced degrees, and/or professional licensure appropriate to their career path.
4. Invest in the engineering profession through industry contributions, mentorship, and/or outreach, serving as ambassadors and inspiring others to develop a passion for engineering.

Student Outcomes (SOs)

The engineering program's courses and curriculum are designed to achieve the following Student Outcomes (SOs), which are based on the 2025-2026 EAC-ABET criteria "1" through "7" (https://www.abet.org/accreditation/accreditation-criteria/criteria-for-accrediting-engineering-programs-2025-2026), plus an IWU mission-specific outcome "8."

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies
8. an ability to integrate one's faith with engineering services and professions