

Mission of the Calvin College Engineering Department

Within the mission of Calvin College, we respond to our Creator's call to be agents of renewal by learning to design responsible technologies that serve the needs of the world. Our mission covers the faculty, staff, and students who together seek to build God's kingdom in the areas of engineering and technology.

Teaching

Our primary mission is for students and faculty to explore not only the fundamental technical concepts of engineering (such as design principles and problem-solving), but also to place that learning in a broader interdisciplinary and liberal arts context. Our teaching is marked by a strong emphasis on responsible design that builds upon a foundation of faith in Jesus Christ. Students graduating with a BSE degree from Calvin College will be...

...kingdom servants whose Christian faith leads them to engineering careers of action and involvement, to personal piety, integrity, and social responsibility, and to leadership with a prophetic voice advocating appropriate technologies;

...firmly grounded in the basic principles and skills of engineering, mathematics, science, and the humanities, for correct, perceptive, and sensitive problem assessment at a level appropriate for entry level professional work and graduate studies;

...equipped to creatively move a project from problem statement to final design utilizing the interdisciplinary and interdependent character of the engineering profession.

Research & Scholarship

We serve God by engaging both the profession and the general public through research and consulting that enhances our primary mission of teaching. Our scholarship includes research in the engineering sciences; the design process; project management; engineering education; engineering ethics; and the relationships among engineering, technology, and the broader society.

Community Service

We use our technological gifts and skills to care for and serve our neighbors locally and globally. Community service enhances our primary mission of teaching and includes service-learning, involvement in mission projects, and consultation with groups needing engineering expertise.