



What can I do with a major in...**ENGINEERING**

Students in the engineering major will learn to apply fundamental knowledge of mathematics, science and engineering to the creative development of solutions to complex technical problems. The core curriculum provides students with an understanding of the core ideas that have shaped human thinking in engineering and the humanities, arts and sciences. This understanding gives students the context to understand the cultural intentions of God’s plan for human activity and to understand the environmental, economic, ethical, sustainability, social and safety impact of their engineering designs on creation and mankind. Graduates will be well prepared to pursue employment in industry and to pursue graduate studies in engineering and related fields.

What types of work are related to this degree?

Applications engineering
Electrical engineering
Mechanical engineering
Packaging/industrial design
Chemical engineering
Industrial engineering
Quality control or analysis
Traffic analysis and planning
Instrumentation and control systems
Water control/coordination
Weapons and defense
Robotics
Construction

More information online at ONETonline.org

Who employs people with this degree?

Contracting and consulting firms
Manufacturing firms
Engineering firms
Construction industries
Industrial design/consulting firms
Public utility companies
Government agencies
Pharmaceutical companies
Insurance companies (safety)
Medical device companies
Communications or telecommunications
Aerospace or defense industry
Transportation industries

Strategies for Success:

- A bachelor’s degree provides a wide range of career opportunities in industry, business and government.
- Develop excellent verbal and written communications skills, including presentation and technical report writing. Learn to work well on a team to maximize collaborations with other engineers and those outside of the profession.
- Develop computer expertise within your chosen field.
- Because of rapid changes in most engineering fields, both continued education and keeping abreast of new developments are very important.
- Join relevant professional associations, attend meetings, participate in design competitions and stay up-to-date on research/publications.

Select Professional Associations:

American Engineering Association
American Society of Civil Engineers
American Society of Mechanical Engineers
Institute of Electrical and Electronic Engineers

Minnesota Society of Professional Engineers
National Society of Professional Engineers
Society of Women Engineers

This information represents possible occupations and strategies for careers with this major. As with any job or career, there may be additional qualifications or experience needed. For more information and options, make an appointment with Career Development or check out our online resources on our website or on theROCK, Career Development tab.