UNIVERSITY OF NORTHWESTERN ST. PAUL
CAREER & LEADERSHIP DEVELOPMENT

What Can I do With a Major in...

Mechanical Engineering

Students in the mechanical 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 Type of Work are Related to this Degree?

- Mechanical engineering
- Machine/systems design
- Packaging/industrial design
- Industrial engineering
- Quality control or analysis
- Instrumentation and control systems
- Weapons and defense
- Manufacturing and production
- Energy conversion
- Transportation and environmental impact
- Materials and structures
- Robotics
- Construction

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
- Logistics companies
- Insurance companies (safety)
- Medical device companies
- Communications or telecommunications
- Aerospace or defense industry
- Transportation industries

Professional Associations

American Engineering Association
American Society of Mechanical Engineers
Minnesota Society of Professional Engineers
National Society of Professional Engineers
Society of Women Engineers

Top Companies Hiring in Minnesota

Actalent
Boston Scientific
Medtronic
GPAC
Honeywell International

More information at ONETonline.org and mnprivatecolleges.org/member-resources/labor-market-tool

General 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, such as computer-aided design (CAD) and computer-aided manufacturing (CAM). Continued education and keeping abreast of new developments are very important.
- Join relevant professional associations, attend meetings, find internships, and participate in design competitions and stay up-to-date on research/publications.

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