ENGINEERING OFFERS A WORLD OF OPPORTUNITIES
Engineers are the innovators, planners, and problem-solvers of our world. They are responsible for the ways in which people around the world communicate, work, and live. Whether they are building bridges or biomedical implants, engineers are focused on meeting real needs and making an impact.

Engineering offers opportunities at every level in almost any field you can think of — from project manager or software designer to CEO, it also provides choices so that you can make the career, and the life, you want.
CUSTOMIZE YOUR NOTRE DAME EDUCATION TO MEET YOUR GOALS

Engineering and Notre Dame are two great traditions, but what you may not realize is the wide range of opportunities available to you as an engineering student at Notre Dame ...
DEGREE/MAJOR OPTIONS
MAJORS WITHIN THE COLLEGE OF ENGINEERING INCLUDE:

- Aerospace Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Earth Sciences
- Environmental Engineering
- Mechanical Engineering
DUAL DEGREE PROGRAMS
(Typically 5-year programs)

• Combine a B.S. in engineering with:
  – B.S. in a science field, or
  – B.A. in a liberal arts field
  – Requires completing all requirements for the B.S. in engineering, as well as all requirements for the second degree – somewhere

• B.S. in Engineering/M.B.A.
  – 5-year program
  – Apply in junior year
OTHER PROGRAM OPTIONS

• Double Major
  – Requires satisfying degree requirements for a B.S. in engineering, along with the requirements for a second major
  – Should take less time than a dual degree program
  – Typically 30 credits past engineering degree requirements

• Minor or Concentration
  – Requires satisfying requirements for a minor or concentration as spelled out by that program
  – Takes less time than either double major or dual degree program
  – Minor requires at least 4 classes beyond engineering degree; concentration completed within program requirements
MINORS

- Bioengineering
- Computational Engineering
- Energy Engineering
- Energy Studies
- Engineering Corporate Practice
- Environmental Geosciences
STUDY ABROAD OPPORTUNITIES
Additional sites are available with special pre-planning, including Santiago, Chile; Cairo, Egypt; Puebla, Mexico; and other locations offered by the University.
For an overview of all of our summer engineering programs, including our newest program in Beijing, China, visit

https://engineering.nd.edu/academics/studyabroad
Summer Program Overview

• **3 Regular Programs**
  – London, Alcoy, or Rome

  – 6 weeks at the beginning of summer

  • **Mid May – Late June**

  • Open to all engineering majors after completion of first, sophomore, or junior year – requires completion of Calculus II

• Cost includes air travel to and from Chicago or New York
  – Financial aid is available.
RESEARCH OPPORTUNITIES
UNDERGRADUATE RESEARCH

- Hands-on cutting-edge research
- Work with faculty/grad students
- Academic year or summer
- For course credit or pay
- Work toward professional papers/presentations
- Work toward patents and marketable products
DEPARTMENT-LEVEL RESEARCH OPPORTUNITIES

• Aerospace and Mechanical Engineering
• Computer Science & Engineering
• Civil and Environmental Engineering and Earth Sciences
• Chemical and Biomolecular Engineering
• Electrical Engineering

http://engineering.nd.edu/research/overview
CENTERS AND INSTITUTES WITHIN THE COLLEGE

Advanced Diagnostics & Therapeutics
Center for Environmental Science and Technology
Center for Low Energy Systems Technology
Center for Microfluidics and Medical Diagnostics
Center for Nano Science and Technology
Center for Sustainable Energy at Notre Dame
Center for Shock Wave-Processing of Advanced Reactive Materials
Institute of Flow Physics and Control
Materials Science of Actinides (an Energy Frontier Research Center)
Wireless Institute

http://engineering.nd.edu/centers-institutes
ENGINEERING
SERVICE
BEYOND THE CLASSROOM

- Locally
- Nationally
- Internationally
ENGINEERING
STUDENT
ACTIVITIES
ENGINEERING COLLEGE ORGANIZATIONS

COLLEGE
- The Joint Engineering Council
- The Four Horseman Society

HONOR SOCIETIES
- Tau Beta Pi (All Engineering disciplines)
- Eta Kappa Nu (Electrical Engineering)
- Pi Tau Sigma (Mechanical Engineering)
- Chi Epsilon (Civil Engineering)
- Sigma Gamma Tau (Aerospace Engineering)
- Upsilon Pi Epsilon (Computer Science and Engineering)

PROFESSIONAL SOCIETIES
- The American Institute of Aeronautics and Astronautics
- The American Institute of Chemical Engineers
- The Institute of Electrical and Electronic Engineers
- The American Society of Civil Engineers
- The American Society of Mechanical Engineers
- The Association for Computing Machinery
- The National Society of Black Engineers
- The Society of Automotive Engineers
- The Society of Women Engineers

http://engineering.nd.edu/resources/societiesclubs
AFTER GRADUATION
CONTINUE YOUR EDUCATION

• Graduate School (Masters, Ph.D.)
  – In engineering (many opportunities for financial support)
  – In some other field
• Business School
• Medical School
• Law School

http://engineering.nd.edu/academics/graduateprogram
EMPLOYMENT
CAREER CENTER

• Annual Engineering Industry Day
  – Internships
  – Full-time employment
• Industry-specific information sessions
• Industry-sponsored workshops
  – Resume writing
  – Interview skills
  – Navigating online application sites

http://careercenter.nd.edu
A degree in engineering truly does open a world of possibilities for you ... more than we can cover here. But we’re happy to answer any questions you have.

Visit our website: http://engineering.nd.edu

Or call the Engineering Dean’s Office at 574-631-5531.