GRAINGER COLLEGE OF ENGINEERING

As one of the world's top-ranked engineering institutions, the University of Illinois' Grainger College of Engineering is a leader in engineering education, research, and public engagement. Our diverse, tight-knit community of faculty, students, and alumni set the standard for excellence in engineering, driving innovation in the economy and bringing revolutionary ideas to the world. Collectively, we are thinking and designing to solve the world's greatest challenges, every day.

- **Degree Programs**
  - Admissions (https://grainger.illinois.edu/about/departments/)
  - Diversity, Equity, and Inclusion (https://grainger.illinois.edu/about/diversity/)

**Academic Departments**

- Aerospace Engineering (https://aerospace.illinois.edu/)
- Agricultural & Biological Engineering (https://abe.illinois.edu/)
- Bioengineering (https://bioengineering.illinois.edu/)
- Chemical and Biomolecular Engineering (https://cbbe.illinois.edu/)
- Civil & Environmental Engineering (https://cee.illinois.edu/)
- Computer Science (https://cs.illinois.edu/)
- Electrical & Computer Engineering (https://ece.illinois.edu/)
- Industrial & Enterprise Systems Engineering (https://ise.illinois.edu/)
- Materials Science & Engineering (https://matse.illinois.edu/)
- Mechanical Science & Engineering (https://mechse.illinois.edu/)
- Nuclear, Plasma & Radiological Engineering (https://npre.illinois.edu/)
- Physics (https://physics.illinois.edu/)

**Interdisciplinary Units**

- Computational Science and Engineering (https://cse.illinois.edu/)
- Technology Entrepreneur Center (https://tec.illinois.edu/)

**Grainger Research Institutes and Centers**

**Majors**

- Aerospace Engineering, BS (http://catalog.illinois.edu/undergraduate/engineering/aerospace-engineering-bs/)
- Aerospace Engineering, BS-MS (http://catalog.illinois.edu/undergraduate/engineering/aerospace-engineering-bs-ms/)
- Agricultural & Biological Engineering, BS (http://catalog.illinois.edu/undergraduate/eng_aces/agricultural-biological-engineering-bs/)
  - Agricultural & Biological Engineering: Agricultural Engineering, BS (http://catalog.illinois.edu/undergraduate/eng_aces/agricultural-biological-engineering-bs/agricultural-engineering/)
  - Agricultural & Biological Engineering: Biological Engineering, BS (http://catalog.illinois.edu/undergraduate/eng_aces/agricultural-biological-engineering-bs/biological-engineering/)
- Agricultural & Biological Engineering, BS and Agricultural & Biological Engineering, BSAG (http://catalog.illinois.edu/undergraduate/eng_aces/agricultural-biological-engineering-bs-agricultural-engineering-agricultural-science-bsag/) (Dual Degree Program)
- Bioengineering, BS (http://catalog.illinois.edu/undergraduate/engineering/bioengineering-bs/)
- Civil Engineering, BS (http://catalog.illinois.edu/undergraduate/engineering/civil-engineering-bs/)
- Computer Engineering, BS (http://catalog.illinois.edu/undergraduate/engineering/computer-engineering-bs/)
- Computer Science, BS (http://catalog.illinois.edu/undergraduate/engineering/computer-science-bs/)
- Computer Science, BS-MCS (http://catalog.illinois.edu/undergraduate/engineering/computer-science-bs-mcs/)
- Computer Science, BS-MS (http://catalog.illinois.edu/undergraduate/engineering/computer-science-bs-ms/)
- Computer Science + Bioengineering, BS (http://catalog.illinois.edu/undergraduate/engineering/computer-science-bioengineering-bs/)
- Computer Science + Physics, BS (http://catalog.illinois.edu/undergraduate/engineering/computer-science-physics-bs/)
- Electrical Engineering, BS (http://catalog.illinois.edu/undergraduate/engineering/electrical-engineering-bs/)
- Engineering Mechanics, BS (http://catalog.illinois.edu/undergraduate/engineering/mechanics-bs/)
- Environmental Engineering, BS (http://catalog.illinois.edu/undergraduate/engineering/environmental-engineering-bs/)
- Industrial Engineering, BS (http://catalog.illinois.edu/undergraduate/engineering/industrial-engineering-bs/)
- Innovation, Leadership & Engineering Entrepreneurship, BS (http://catalog.illinois.edu/undergraduate/engineering/innovation-leadership-engineering-entrepreneurship-bs/) (ILEE)
- Materials Science Engineering, BS (http://catalog.illinois.edu/undergraduate/engineering/materials-science-engineering-bs/)
- Mechanical Engineering, BS (http://catalog.illinois.edu/undergraduate/engineering/mechanical-engineering-bs/)
- Nuclear Engineering, BS (http://catalog.illinois.edu/undergraduate/engineering/nuclear-engineering-bs/)
- Nuclear, Plasma, & Radiological Engineering, BS (http://catalog.illinois.edu/undergraduate/engineering/nuclear-plasma-radiological-engineering-bs/)
  - Nuclear, Plasma, and Radiological Engineering: Power, Safety & Environment, BS (http://catalog.illinois.edu/undergraduate/engineering/nuclear-plasma-radiological-engineering-bs/power-safety-environment/)
- Neural Engineering, BS (http://catalog.illinois.edu/undergraduate/engineering/neural-engineering-bs/)
- Physics, BS (http://catalog.illinois.edu/undergraduate/engineering/physics-bs/)
- Systems Engineering & Design, BS (http://catalog.illinois.edu/undergraduate/engineering/systems-engineering-design-bs/)

**Minors**

- Bioengineering (http://catalog.illinois.edu/undergraduate/engineering/minors/bioengineering/)

Information listed in this catalog is current as of 07/2023
Graduate Degree Programs

- Aerospace Engineering, MS (http://catalog.illinois.edu/graduate/engineering/aerospace-engineering-ms/)
- Aerospace Engineering, PhD (http://catalog.illinois.edu/graduate/engineering/aerospace-engineering-phd/)
- Aerospace Systems Engineering, MENG, see Engineering, MENG
- Agricultural & Biological Engineering, MS (http://catalog.illinois.edu/graduate/engineering/agricultural-biological-engineering-ms/)
- Agricultural & Biological Engineering, PhD (http://catalog.illinois.edu/graduate/engineering/agricultural-biological-engineering-phd/)
- Autonomy & Robotics, MENG, see Engineering, MENG
- Bioengineering, MENG (http://catalog.illinois.edu/graduate/engineering/bioengineering-meng/)
  - Bioengineering: Bioinstrumentation, MENG (http://catalog.illinois.edu/graduate/engineering/bioengineering-meng/bioinstrumentation/)
  - Bioengineering: General Bioengineering, MENG (http://catalog.illinois.edu/graduate/engineering/bioengineering-meng/general-bioengineering/)
- Bioengineering, MS (http://catalog.illinois.edu/graduate/engineering/bioengineering-ms/)
- Bioengineering, PhD (http://catalog.illinois.edu/graduate/engineering/bioengineering-phd/)
- Bioinformatics, MS (http://catalog.illinois.edu/graduate/provost/ms_bioinfo/)
  - Bioinformatics: Bioengineering, MS (http://catalog.illinois.edu/graduate/engineering/concentration/bioengineering/bioinformatics/) (http://catalog.illinois.edu/graduate/engineering/concentration/bioengineering/bioinformatics/)
  - Bioinformatics: Chemical & Biomolecular Engineering, MS (http://catalog.illinois.edu/graduate/las/concentration/chemical-biomolecular-engineering/bioinformatics/)
  - Bioinformatics: Computer Science, MS (http://catalog.illinois.edu/graduate/engineering/concentration/computer-science/bioinformatics/)
- Biomedical Image Computing, MS (http://catalog.illinois.edu/graduate/engineering/biomedical-image-computing-ms/)
- Chemical Engineering, MS (http://catalog.illinois.edu/graduate/las/chemical-engineering-ms/)
- Chemical Engineering, PhD (http://catalog.illinois.edu/graduate/las/chemical-engineering-phd/)
- Chemical Engineering Leadership, MENG, see Engineering, MENG
- Civil Engineering, MS (http://catalog.illinois.edu/graduate/engineering/civil-engineering-ms/)
- Civil Engineering, PhD (http://catalog.illinois.edu/graduate/engineering/civil-engineering-phd/)
- Computer Science, BS-MS (http://catalog.illinois.edu/undergraduate/engineering/computer-science-bs-ms/)
- Computer Science, MCS (http://catalog.illinois.edu/graduate/engineering/computer-science-mcs/)
- Computer Science, MS (http://catalog.illinois.edu/graduate/engineering/computer-science-ms/)
- Computer Science, PhD (http://catalog.illinois.edu/graduate/engineering/computer-science-phd/)
- Digital Agriculture, MENG, see Engineering, MENG
- Electrical & Computer Engineering, MEng (http://catalog.illinois.edu/graduate/engineering/electrical-computer-engineering-meng/)
- Electrical & Computer Engineering, MS (http://catalog.illinois.edu/graduate/engineering/electrical-computer-engineering-ms/)
- Electrical & Computer Engineering, PhD (http://catalog.illinois.edu/graduate/engineering/electrical-computer-engineering-phd/)
- Energy Systems, MENG, see Engineering, MENG
- Engineering, MENG (http://catalog.illinois.edu/graduate/meng-engineering/)
  - Engineering: Aerospace Systems Engineering, MENG (http://catalog.illinois.edu/graduate/engineering/engineering-meng/aerospace-systems/)
  - Engineering: Autonomy and Robotics, MENG (http://catalog.illinois.edu/graduate/engineering/engineering-meng/autonomy-robotics/)
  - Engineering: Chemical Engineering Leadership, MENG (http://catalog.illinois.edu/graduate/engineering/chemical-engineering-leadership-meng/)
  - Engineering: Digital Agriculture, MENG (http://catalog.illinois.edu/graduate/engineering/engineering-meng/digital-agriculture/)
  - Engineering: Energy Systems, MENG (http://catalog.illinois.edu/graduate/engineering/engineering-meng/energy-systems/)
  - Engineering: Instrumentation and Applied Physics, MENG (http://catalog.illinois.edu/graduate/engineering/engineering-meng/instrumentation-applied-physics/)
  - Engineering: Plasma Engineering, MENG (http://catalog.illinois.edu/graduate/engineering/engineering-meng/plasma-engineering/)
- Environmental Engineering in Civil Engineering, MS (http://catalog.illinois.edu/graduate/engineering/environmental-engineering-civil-engineering-ms/)
- Environmental Engineering in Civil Engineering, PhD (http://catalog.illinois.edu/graduate/engineering/environmental-engineering-civil-engineering-phd/)
- Financial Engineering, MS (http://catalog.illinois.edu/graduate/bus_engineering/financial-engineering-ms/)
  - Financial Engineering: Advanced Analytics in Industrial & Enterprise Systems Engineering, MS (http://catalog.illinois.edu/graduate/engineering/concentration/advanced-analytics-industrial-enterprise-systems-engineering/)
  - Financial Engineering: Automated Trading Practices, MS (http://catalog.illinois.edu/graduate/engineering/financial-engineering-ms/automated-trading-practices/)
• Financial Engineering: Data Analytics in Finance, MS (http://catalog.illinois.edu/graduate/bus/concentration/finance/data-analytics-finance/)

• Industrial Engineering, MS (http://catalog.illinois.edu/graduate/engineering/industrial-engineering-ms/)
  • Industrial Engineering: Advanced Analytics in Industrial & Enterprise Systems Engineering, MS (http://catalog.illinois.edu/graduate/engineering/concentration/advanced-analytics-industrial-enterprise-systems-engineering/)

• Industrial Engineering, PhD (http://catalog.illinois.edu/graduate/engineering/industrial-engineering-phd/)

• Instrumentation and Applied Physics, MENG, see Engineering, MENG

• Materials Engineering, MENG (http://catalog.illinois.edu/graduate/engineering/materials-engineering-meng/)

• Materials Science & Engineering, MS (http://catalog.illinois.edu/graduate/engineering/materials-science-engineering-ms/)

• Materials Science & Engineering, PhD (http://catalog.illinois.edu/graduate/engineering/materials-science-engineering-phd/)

• Mechanical Engineering, MENG (http://catalog.illinois.edu/graduate/engineering/mechanical-engineering-meng/)

• Mechanical Engineering, MS (http://catalog.illinois.edu/graduate/engineering/mechanical-engineering-ms/)

• Mechanical Engineering, PhD (http://catalog.illinois.edu/graduate/engineering/mechanical-engineering-phd/)

• Nuclear, Plasma & Radiological Engineering, MS (http://catalog.illinois.edu/graduate/engineering/nuclear-plasma-radiological-engineering-ms/)

• Nuclear, Plasma & Radiological Engineering, PhD (http://catalog.illinois.edu/graduate/engineering/nuclear-plasma-radiological-engineering-phd/)

• Physics, MS (http://catalog.illinois.edu/graduate/engineering/physics-ms/)

• Physics, PhD (http://catalog.illinois.edu/graduate/engineering/physics-phd/)

• Plasma Engineering, MENG, see Engineering, MENG

• Systems & Entrepreneurial Engineering, MS (http://catalog.illinois.edu/graduate/engineering/systems-entrepreneurial-engineering-ms/)

• Systems & Entrepreneurial Engineering, PhD (http://catalog.illinois.edu/graduate/engineering/systems-entrepreneurial-engineering-phd/)

• Teaching of Physics, MS (http://catalog.illinois.edu/graduate/engineering/teaching-physics-ms/)

• Theoretical and Applied Mechanics, MS (http://catalog.illinois.edu/graduate/engineering/theoretical-applied-mechanics-ms/)

• Theoretical & Applied Mechanics, PhD (http://catalog.illinois.edu/graduate/engineering/theoretical-applied-mechanics-phd/)

Graduate Concentrations

• (http://catalog.illinois.edu/graduate/engineering/aerospace-engineering-ms/) Computational Science & Engineering

• Data Science & Engineering (http://catalog.illinois.edu/graduate/engineering/concentration/data-science-engineering/)

• Entrepreneurship & Innovation (http://catalog.illinois.edu/graduate/engineering/concentration/entrepreneurship-innovation/)