Careers in Engineering:

*The Possibilities are Endless*

The University of Iowa
College of Engineering
What Can I do with my Degree?

*a sample of the possibilities…*

**Biomedical Engineering**

- **Research & Development Engineer**
  Design new products and processes to improve healthcare, medical devices, and medical procedures

- **Manufacturing Engineer**
  Oversee the manufacturing processes involving medical equipment, implants, and devices

- **Medical Doctor/Lawyer**
What Can I do with my Degree?

*a sample of the possibilities....*

**Chemical Engineering**

- **Materials Engineer**
  
  Formulate new materials to improve existing technologies and meet the needs of emerging technologies

- **Process Engineer**
  
  Develop/oversee the processes involved in the manufacture of chemicals, pharmaceuticals, foods and other products
What Can I do with my Degree?

*a sample of the possibilities*....

**Civil/Environmental Engineering**

- **Project Engineer/Consulting Engineer**
  Supervise engineering projects, including client management, working with suppliers & contractors, insuring the project is completed on time/within cost

- **Structural Engineer**
  Design and be part of the team that builds dams, bridges, buildings and other structures

- **Environmental Engineer**
  Design and implement new processes to improve sustainability and to mitigate environmental impact
What Can I do with my Degree?

*a sample of the possibilities*…

**Electrical & Computer Engineering**

- **Software Engineer**
  Create the software to program avionics systems, satellites, and imaging software

- **Control Systems Engineer**
  Design and fabricate electronic systems to automatically control processes, such as factory automation, robotic surgery, and communication
What Can I do with my Degree?

*a sample of the possibilities....*

**Industrial Engineering**

- **Sales Engineer**
  Consultative sales specialist for engineering companies and manufacturing firms; client management specialist

- **Plant Engineer**
  Responsible for the continued operation of all part of a manufacturing facility, including maintainance and operations
What Can I do with my Degree?

* a sample of the possibilities....

**Mechanical Engineering**

- **Mechanical Design Engineer**
  Design and develop new parts and devices to improve operations and efficiency of existing and emerging technologies.

- **Quality Engineer**
  Insure the quality of parts and units (tractors, airplanes, autos, refrigerators) as they come off the line.
Which Companies Recruit @ Iowa?

- Small & Large Companies
- Local, Regional, National & International Companies
- Employers from Engineering, Consulting, Manufacturing, Healthcare, Government, etc.
- Non-profit organizations
Which Companies Recruit at Iowa?

*to name a few…*

- Caterpillar
- John Deere
- Rockwell Collins
- Burns & McDonnell
- GE
- Northrop Grumman
- Monsanto
- HNI Corp.
- Whirlpool/Amana
- Accenture
- Alliant Energy
- Howard R Green
- Civco Medical Solutions
- Zimmer
- Motorola
- Peace Corps
- Cargill
- KJWW Engineering
- Iowa DOT
- DuPont
- Cerner Corp.
- Pella Corp.
- Iowa DNR
- 3M
- Medical Murray
- Eaton Corporation
- General Mills
- Rock Island Arsenal
- United States Postal Service
- UPS
- MidAmerican Energy
- U.S. Military
Can I really get a job after graduation?

YES....our college averages a 93% - 98% placement rate 3 months after graduation!!!

Median Salary: $60,000/yr
What can I do to guarantee that I am one of the 93-98%?

- Keep the GPA up! Many companies require a 3.0 GPA before they will even interview you!!
- Participate in a co-op or internship!
- Become involved in volunteer or leadership roles such as student organizations
- Network, network, network!
- Become active your freshman year!
What resources are available from Engineering Professional Development?

- Fall & Spring Engineering Career Fairs
- On-line recruiting system, HireaHawk.com
- On-Campus Interviewing
- Career Development/Advising/Seminars
- Lunch & Learns and Networking Events
For more information.....

- www.engineering.uiowa.edu/epd

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