### KEY SKILLS
- Analytical
- Attention to Detail
- Clear Communication
- Complex Problem Solving
- Continual Learning
- Mathematics & Science
- Multitasking & Time Management
- Project Management

### CONCENTRATIONS/SPECIALIZATIONS
- Computer
  - Artificial Intelligence & Robotics
  - Computational
  - Computer Architecture & Design
  - Cybersecurity
  - Hardware & Embedded Systems
  - Human-Computer Interaction (HCI)
- Electrical
  - Circuits
  - Control
  - Electromagnetics & Instrumentation
  - Microelectronics/Photonics
  - Nanotechnology
  - Power/Energy
  - Signal Processing
  - Telecommunications

### SAMPLE DEGREES
- Computer Engineering (BS, BS/MS, MS, PhD)
- Computer Eng. + Electrical Eng. (BS)
- Computer/Electrical Eng. + Eng. Management (BS/MS)
- Electrical Engineering (BS, BS/MS, MS, PhD)
- Telecommunications Engineering (MS)

### SAMPLE OCCUPATIONS
- Audiovisual Engineer
- Broadcast Engineer
- Circuits Engineer
- Computer Hardware Engineer
- Electrical Controls Engineer
- Lead Java Developer
- Network Engineer
- Photonics Engineer
- Power Electronics Design Engineer
- Project Manager
- Software Developer/Engineer
- Test Engineer
- Validation Engineer

### POSSIBLE WORK SETTINGS
- Broadcasting/Media Company
- Federal Government
- IT Company
- Power Plant
- Production Company
- Robotics Manufacturing Company
- R&D Company/Startup
- Software Developer
- Telecommunications Company
- University/College
- Utilities Company
- Waste Management Company

### SAMPLE STUDENT ORGS
- Energy Club GW
- Engineers Without Borders
- GWACM (Computing Machinery)
- Institute of Electrical & Electronics Engineers (IEEE)
- Systems Hacking Club
- The Engineers’ Council

### SAMPLE EMPLOYERS
- ABB Group
- Alcoa
- Aliant Energy
- Apple
- Boeing
- Eaton Corporation
- Emerson Electric
- Federal Bureau of Investigation
- Flextronics
- Fox News Channel
- General Electronic (GE)
- Goddard Space Flight Center
- IBM
- Institute of Electrical & Electronic Engineers
- IRS Information Technology
- Jacobs
- Leidos
- Mathworks
- NASA
- National Security Agency (NSA)
- Naval Research Laboratory
- Northrop Grumman
- Pacific Gas & Electric Company
- Panasonic Avionics Corporation
- Randstad Engineering
- Rockwell Collins
- RS&H
- Schneider Electric
- Shell Oil Company
- Sinclair Broadcast Group
- Sinclair Broadcast Group
- Teledyne Technologies
- TMEIC
- Trinity Industries
- US Department of Defense
- US Department of Treasury
- VariQ
- Verizon

If you’re interested in this field of study, your industry coach is likely to be the STEM industry coach. Set up an appointment on Handshake.