

# Mechanical Engineer



- PA Median Wage: \$81,000; US Median Wage: \$88,000
- Needs the use of Computer Aided Design Programs, like Autodesk Revit
- PA Job Openings between 2018-2038: 1,280; US Job Openings between 2018-2038: 19,200
- Need a 4 year Bachelor's Degree.
- Tasks done: use blueprints, technical drawings, and computer generated reports.
- Knowledge needed: Math, Physics, Mechanical, Chemistry, and English

# Surveyor

- PA Job Openings between 2018-2038: 230; US Job Openings between 2019-2039: 6,400
- PA Median Wage: \$47,000; US Median Wage: \$45,000
- Tasks: Position vertical rods for measuring angles and elevation, determine scales and line sizes for plotters, and prepare cost estimates for mapping projects
- Knowledge needed: Geography, Math, Design, and Customer and Personal Service.
- Requires vocational training, or an associates Degree



# Network and computer system administrator

- Tasks: Maintain Computer networks, Perform data backups, and install software and driver updates for printers and computers.
- Knowledge needed: Computer and Electronics, Mathematics, and Telecommunication.
- Most require a 4 year Bachelor's Degree.
- PA Median Wage: \$77,000; US Median Wage: \$84,000
- PA Job Openings between 2018-2038: 980; US Job Openings between 2019-2039: 23,800





# Web Developer



- PA Median Wage: \$69,000; US Median Wage: \$74,000
- PA Job Openings between 2018-2038: 500; US Job Openings between 2019-2039: 13,400
- Tasks: Writing code for web applications, renew domain name registrations, preform website updates, and setup systems for automated email responses.
- Knowledge needed: Programming, Critical Thinking, and Communications and Media
- Vocational training, a Post Secondary certificate, or an Associate's degree is needed.