

## Career Information for Manufacturing Engineering

A College of Science & Engineering major

### General Overview Information

Manufacturing engineering programs prepare people to plan and build systems used to produce goods. Students learn about tools, production techniques, and how computers are used in production. They also learn to use math and science to solve real-life problems in system design.

### Do You Have These Characteristics?

Creativity · Inquisitive Mind · Analytical Abilities · Detail-Oriented · Enjoy Problem Solving  
Ability to Work as a Team · Good Oral & Written Communication Skills

### Salary Information Can Be Found At:

[www.bls.gov/bls/blswage.htm](http://www.bls.gov/bls/blswage.htm)

[www.iseek.org](http://www.iseek.org)

[www.stcloudstate.edu/careerservices](http://www.stcloudstate.edu/careerservices)

### What Can You Do?

- Project Engineer
- Product Design Engineer
- Process Design Engineer
- Tool Design Engineer
- Research & Development Engineer
- Quality Engineer
- Robotics/Automation
- CAD/CAM
- Manufacturing Processes
- Mechanical Design
- Production Management
- Mechanics/Materials
- Thermal Sciences
- Optics/Lasers
- Consultant

### Where Can You Work?

- Universities & Colleges
- Industrial Plants
- Private Business & Industry
- Consulting Firms
- Research Laboratories
- Private Engineering Firms
- Transportation Equipment Companies
- Electrical & Electronic Equipment
- Industrial Machinery
- Instruments
- Government Departments & Agencies
- Self-Employed
- ....and MORE!

### Resources

- SCSU Manufacturing Engineering – <http://www.stcloudstate.edu/mme>
  - Occupational Outlook Handbook – <http://www.bls.gov/oco/ocos034.htm>
  - Society of Manufacturing Engineers – [www.sme.org](http://www.sme.org)
  - National Society for Professional Engineers – [www.nspe.org](http://www.nspe.org)
  - Sloan Career Cornerstone Center – [www.careercornerstone.org](http://www.careercornerstone.org)
  - *A/E/C Employers*
  - *Career Opportunities in Engineering*
  - *Careers for Scientific Types and Others with Inquiring Minds*
  - *Expert Resumes for Engineers*
  - *Expert Resumes for Manufacturing Careers*
  - *Great Jobs for Engineering Majors*
  - *Handbook of Scientific & Technical Careers*
  - *Minnesota Business Directory*
  - *National Trade and Professional Associations*
- (Books are available at SCSU Career Services Center)