

ENGINEERING: Industrial/Manufacturing/Mechanical- Career Resource Guide

Potential Career Options

Below is a sample of related career options; for some, additional experience and/or further education may be helpful or required.

- Industrial Engineer** Design, develop, test and evaluate integrated systems for managing industrial production processes, including human work factors, quality control, inventory control, logistics and material flow, cost analysis and production coordination.
- Manufacturing Engineer** Design and improve manufacturing systems. Work with commercial and industrial designers to increase production, decrease costs and refine a product's design.
- Mechanical Engineer** Provide efficient solutions to the development of processes and products, ranging from small component designs to extremely large plant, machinery or vehicles. Work on all stages of a product, from research and development to design and manufacturing, through installation and final commissioning.

Sample Job Titles

Industrial Engineering	Manufacturing Engineering	Mechanical Engineering
Distribution Network Specialist	Assembly Manufacturing Engineer	Analyzer Reliability Engineer
Inventory & Supply Chain Manager	Availability Engineer	Application Engineer
Logistics Engineer/Analyst	Calibrations Engineer	CAD/CAM Applications Engineer
Materials & Logistics Supervisor	Continuous Improvement Engineer	Calibrations Engineer
Procurement Engineer	Control Systems Designer	Design Engineer
Product Planning Engineer	Facilities Engineer	Development/Test Engineer
Project Engineer	Field Engineer	Field Engineer
Supplier Quality Engineer	Lean Manufacturing Coordinator	Quality Assurance Engineer
Supply Chain Analyst/Consultant	Product Engineer	Research Engineer
Transportation Engineer	Quality Assurance Engineer	Technical Support Engineer

Associations & Societies

American Council of Engineering Companies * LI	www.acec.org
American Society of Mechanical Engineers * LI	www.asme.org
Association for Supply Chain Management (APICS) * LI	www.ascm.org
Engineers' Society of Western Pennsylvania	https://eswp.com
National Association of Manufacturers LI	www.nam.org
National Society of Black Engineers (NSBE) * LI	www.nsbe.org
National Society of Professional Engineers (NSPE) * LI	www.nspe.org
Society of Hispanic Professional Engineers ** LI	www.shpe.org
Society of Manufacturing Engineers (SME) * LI	www.sme.org
Society of Women Engineers ** LI	www.swe.org

* Contains employment listings, ** Contains employment listings for members, LI - LinkedIn Group

Career & Employment Websites

CareerBuilder	www.careerbuilder.com
Dice.com	www.dice.com
Engineering Central	www.engcen.com
EngineeringJobs	www.engineeringjobs.com
EngineerJobs.com	www.engineerjobs.com
iHireEngineering	www.ihireengineering.com
Jobs in Manufacturing	www.jobsinmfg.com
LinkedIn (Engineering Jobs)	www.linkedin.com
Logistics World	www.logisticsworld.com
Nation Job	www.nationjob.com/engineering
Occupational Outlook Handbook: Architecture and Engineering Occupations	www.bls.gov/ooh/architecture-and-engineering/home.htm
Pittsburgh Career Connector (Pittsburgh Technology Council)	www.pghcareerconnector.com

Refer to the Career and Professional Development Center for job search resources and to link to Handshake (job postings and events).

Career Information Resources

Vault-Firsthand is a comprehensive career resource that includes industry and profession overviews; rankings and profiles for employers and internship programs; a job and internship database; career articles, blogs and videos; sample resumes, cover letters and interview questions; and over 100 career guides. A selection of the Vault Guides is listed below.

Vault Guide to...

Automotive Manufacturing Jobs
Engineering Jobs
Machining and Machinery Jobs
Manufacturing Jobs
Top Tech Employers

Refer to the [CSS website](#) for links to Vault-Firsthand, Career Development Tip Sheets, and Handshake (jobs, career paths, events).

Selected RMU Activities & Organizations

American Society of Mechanical Engineers	National Society of Black Engineers
APICS (Association for Operations Management)	Society of Manufacturing Engineers
Arab Engineers Club	Society of Women Engineers
Association of Computing Machinery	Student Government Association
Engineers for a Sustainable World	Student Program Board
Mechanical Contractors Association	Student Tutors
Mechatronics Engineering Club	Toastmasters Club

Refer to [Revolution](#) for a complete listing of student organizations.

Bachelor-Level Internship Organizations

Applied Cloud Systems, Inc.	Port Authority of Allegheny County
Carnegie Mellon University	RMU Engineering
CDI Corporation	RMU Learning Factory
CJL Engineering	RMU Rise Center
Covestro LLC	Robomatter
Development Dimensions International, Inc.	Sargent Electric Company
Epiphany Environmental	Schroeder Industries
FedEx Ground	Seegrid
Fresenius	Sippel Steel
Global Links	SSM Industries
Heritage Valley Health System	Timet
Hussey Performance LLC	Tobii Dynavox
Industrial Scientific Corporation	VA Pittsburgh
Matthews International Corporation	Veolia Water Technologies
Michael Baker International	Wabtech
National Space Biomedical Research Center	WE-EF Lighting
Plus Consulting	

Bachelor-Level Hiring Organizations

Allegheny Technologies	Peoples Natural Gas
Amazon	Pepperl and Fuchs
Bechtel Marine Propulsion Corporation	PNC Financial Services
Boeing	PPG
Calgon Carbon	Rolls Royce
CJL Engineering	Schlumberger
Comtec Mfg.	Seegrid
Curtiss-Wright	Siemens Corporation
Fastenal	Stahura Industrial Solutions
HarbisonWalker International	The Kraft-Heinz Company
International Innovative Industries	UC Synergetic
Masonite International	United States Steel Corporation
Michael Baker International	Universal Electric Corporation
Mitsubishi Electric	Westinghouse Electric Company
Nord-Lock Group	