

ENGINEERING/MANUFACTURING PROGRAMS IN WEST MICHIGAN

Community Colleges

Do you enjoy problem solving, creating or designing, math and sciences? Many careers in engineering and manufacturing require technical training and advanced sciences and math. You should contact the school for admission criteria. You can study the engineering and manufacturing at a [community college](#), a [four year college/university](#) or at a [specialty training school](#) or enrichment program.

Grand Rapids Community College

Grand Rapids, Michigan (616) 234-4130

HVAC. (certificate/2 year)
 Architectural Drafting Technology
 Automotive Servicing (certificate/2 year)
 CAD/Mechanical Design (certificate/2 year)
 Electronics Servicing (certificate/2 year)
 Industrial Maintenance
 Industrial Technology
 Plastics Manufacturing Tech. (certificate/2 year)

Counseling and Career Center

www.grcc.edu/degrees or www.grcc.edu/jobtraining

Quality Science (certificate/2 year)
 Tooling and Manufacturing Technology (certificate/2 year)
 Welding Technology (certificate/2 year)
 Job Training (non credit, 18 week programs)
 -Automotive Technician
 -Computer Applications Specialist
 -Construction Trades
 -CAD Technician
 -Computer Support Tech.
 -Machinist/CNC Tech.
 -Welding/Fabrication Tech.

Kalamazoo Valley Community College

Kalamazoo, Michigan (269) 488-4123

Automotive Technology (certificate/2 year)
 Chemical Technology
 CAD/Drafting (certificate/2 year)
 Electrical Control (certificate)
 Electrical Construction (certificate)
 Electrical Technology
 HVAC (certificate/2 year)
 Industrial Lab Technician

Counseling Office

www.kvcc.edu/careerguides/guides.htm

Machine Tool Automation
 Machine Tool Technology/Machinist (certificate/2 year)
 Maintenance Mechanic
 Mechanical Engineering Technology
 PC Support Technician
 Plumbing (certificate)
 Senior Lab Technician
 Welding Technologies

Kellogg Community College

Battle Creek, Michigan (269) 965-4124

Avionics Technician
 CAD and Design Technology
 Computer Engineering Technology
 Electricity/Electronics/Instrumentation
 Instrumentation & Process Control
 Industrial Pipefitting
 Industrial Welding

Academic Advising

www.kellogg.cc.mi.us/kccpages/acadprograms/index.html

Industrial Robotics
 Machine Tool/Tool & Die
 Maintenance Mechanic/Millwright
 Office Information Technology
 Refrigeration & Air Conditioning (certificate/2 year)
 Sheetmetal

Lake Michigan College

Benton Harbor, Michigan (269) 927-8100 or (800) 252-1562

Computer Information Systems
 Drafting and Design (certificate/2 year)
 Electrical/Electronics Engineering Technology
 Home Appliance Technologies (certificate)
 Industrial Maintenance Technology

Academic Counseling & Advising

www.lakemichigancollege.edu/dept/programs.html

Machine Tool Technology
 Plastics Technology
 Skilled Trades Technology
 Water Purification Technology (1+2 with Bay de Noc Community College)

Lansing Community College

Lansing, Michigan (517) 483-1904

Architectural Technology (certificate/2 year)
 Auto Body Repair (certificate)
 Automotive Technology (certificate/2 year)
 Aviation
 Aviation Technology
 Avionics (certificate/2 year)
 Civil Technology
 Computer Numeric Control Programming
 Computer-Aided Drafting and Design (certificate/2 year)
 Residential Building (certificate/2 year)
 Electrical, Construction (certificate/2 year)

Advising and Counseling Center

www.lcc.edu/academics

Electronics (certificate/2 year)
 Heating, AC/Building Maintenance (certificate/2 year)
 Industrial Technology (certificate/2 year)
 Landscape Architecture
 Machine Maintenance
 Machine Repair (certificate)
 Machinist Toolmaker
 Millwright (certificate)
 Tool and Die Maker
 Truck Driver Training (certificate)
 Welding

Montcalm Community College

Sidney, Michigan (877) 328-2111 ext. 231

Automotive Technology (certificate/2 year)
 Computer Repair (certificate/2 year)
 Electronics Technology (certificate/2 year)
 Information Systems (certificate/2 year)

Counseling Center

www.montcalm.cc.mi.us/programs/viewprograms.asp

Machine Tool Operation (certificate)
 Technical Drafting and Design (certificate/2 year)
 Welding Technology (certificate)

Muskegon Community College

Muskegon, Michigan (231) 777-0362

Automotive Technology (certificate/2 year)
 Biomedical Electronics Technology
 Computer-Aided Drafting and Design
 Digital Electronics Technology (certificate)
 Industrial Technology (certificate/2 year)
 Industrial Electrical Maintenance (certificate)
 Machining Technology (certificate and 2 year)

Counseling Center

www.muskegoncc.edu/pages/298.asp

Materials Technology
 Microprocessor Electronics Technology (certificate)
 Production Supervision (certificate)
 Pulp and Paper Science (certificate/2 year)
 Quality Assurance (certificate)
 Welding Technology (certificate)
 World Class Technology Manufacturing/Business

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4 Year Colleges/Universities

Admission to the college does not guarantee admission to all programs within the school. Additional application materials and advanced courses in science and math are usually required for engineering programs. You should contact the school for admission criteria.

<p>Aquinas College Academic Advising Center Grand Rapids, Michigan (616) 732-4462 or (800) 678-9593 www.aquinas.edu/academics</p> <p>Chemistry Physics Computer Information Systems Pre-Engineering Mathematics</p>	<p>Calvin College Admissions Office Grand Rapids, Michigan (616) 526-7076 or (800) 688-0122 www.calvin.edu/admin/admissions/programs.htm</p> <p>Biology Engineering Biotechnology -Chemical Chemistry and Biochemistry -Civil & Environmental Computer Science/Information Systems -Electrical & Computer Mathematics & Statistics -Mechanical</p>
<p>Ferris State University-GR Admissions Office Grand Rapids, Michigan (616) 451-4777 or (800) 998-3425 www.ferris.edu/grandrapids</p> <p>Advanced Construction Management (certificate) Building Construction Technology (2 year) Computer Information Systems Construction Administration (certificate) Construction Management Industrial Technology & Management Manufacturing Engineering Technology Product Design Engineering Technology Quality Engineering Technology Quality Technology (certificate)</p>	<p>Cornerstone University Admissions Office Grand Rapids, Michigan (616) 222-1426 or (800) 787-9778 www.cornerstone.edu/future_students/academics/programs</p> <p>Biology Computer Information Systems (Business) Mathematics</p>
<p>Ferris State University Admissions Office Big Rapids, Michigan (231) 591-5008 or (800) 462-8553 http://catalog.ferris.edu/programs</p> <p>Applied Biology Heavy Equipment Service -Environmental Biology Engr. Tech. (2 year/4 year) -Forensic Biology HVACR Engineering Applied Mathematics Tech.. (2 year and 4 year) -Actuarial Science Industrial Chemistry Tech. (2 year) -Computer Science Industrial Electronics Technology -Operations Research Manufacturing Engineering -Statistiscs Technology (2 year/4 year) Architectural Technology (2 year) Mathematics Automotive and Heavy Equipment Mgt. Mechanical Engineering Auto Body (2 year) Technology (2 year/4 year) Automotive Engineering Technology New Media Printing and Publishing Automotive Service Technology (2 year) Operations and Supply Mgt. Biochemistry Plastics Engineering Biology Technology (2 year/4 year) Building Construction Technology (2 year) Printing/Digital Graphic Imaging CAD Drafting/Tool Design Tech. (2 year) Technology (2 year/4 year) Chemistry Product Design Engineering Tech. Civil Engineering Technology (2 year) Quality Engineering Technology Computer Info Systems (2 year/4 year) Rubber Engineering Computer Networks and Systems Technology (2 year/4 year) Construction Management Surveying Engr. (2 year/4 year) -Commercial/Industrial Building Technical/Professional Comm. -Highway/Bridge Construction Welding Engineering Electrical/Electronics Engineering Tech. Technology (2 year/4 year) Facility Management Visual Design/Web Media (2 year)</p>	<p>Hope College Admissions Office Holland, Michigan (616) 395-7950 or (800) 968-7850 www.hope.edu/academic/</p> <p>Biology Engineering Chemistry -Biochemistry Computer Science -Chemical Mathematics -Computer Physics -Electrical -Mechanical</p>
<p>OTHER TRAINING OPPORTUNITIES:</p> <p>Michigan Construction Careers email: info@greatermichiganpmc.org www.miconstruction.com</p> <p>Unionized Construction Apprentices Schools: Cement masons Carpentry Electrical Workers Glaziers and Glassworkers Iron Workers Millwrights Painters and Drywall Finishers Plumbers, Pipefitters HVAC Roofers and Waterproofers</p>	<p>West Michigan Plumbers, Fitters and Service Trades (616) 837-0222 www.ual74.org Plumbing and Pipefitting</p> <p>National Association of Women in Construction - Chapter 194 (616) 837-0222 www.nawic194.org Support resources for women entering a career in construction</p>
<p>Grand Valley State University Admissions Office Allendale, Michigan (616) 331-2025 or (800) 748-0246 www.gvsu.edu/index.cfm?fuseaction=acad.programs</p> <p>Biology Engineering Biomedical Sciences -Computer Cellular & Molecular Biology -Electrical Computer Sciences -Product Design/Manufacturing Geochemistry -Mechanical Information Systems Occupational Safety and Health Mathematics Physics Natural Resources Management Statistics</p>	<p>Western Michigan University Admissions Office Kalamazoo, Michigan (269) 387-2000 www.wmich.edu/academics/majors.html</p> <p>Aviation Flight Science Engineering Aviation Maintenance Technology -Aeronautical Aviation Science and Administration -Chemical Biochemistry -Civil Biology -Computer Biomedical Sciences -Computer Science Chemistry -Construction Computer Information Systems -Electrical Earth Sciences -Engineering Graphics/Design Tech. Geochemistry -Engineering Management Hydrogeology -Imaging Mathematics -Industrial Design Physics -Industrial Engineering -Electrical Engineering -Manufacturing -Material Science -Mechanical Statistics -Paper Science</p>



This handout was prepared by:
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www.grcc.edu/engineeringcareers
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