



Central Mother Lode

Meta Major ENGINEERING, CONSTRUCTION, TRANSPORTATION & MANUFACTURING

>>> For more information on this resource, contact postsecondarypathways@WestEd.org

High Impact Skills

COMMON SKILLS

- Valid Driver's License
- Communications Management
- Construction Operations
- Troubleshooting
- Customer Service Leadership
- Detail Oriented Scheduling
- Problem Solving
- Coordinating

HARD SKILLS

- Mechanics
- Construction Management
- Subcontracting
- Quality Control
- Brakes & Suspension
- HVAC
- Aircraft Maintenance



Education Pathways



- AVG. UNITS REQUIRED +

Certificate (6-18 Units)

- Architecture and Architectural Technology
- Automotive Technology
- Diesel Technology
- Drafting Technology
- Electrical
- Environmental Control Technology
- Food Processing and Related Technologies
- Industrial Electronics
- Manufacturing and Industrial Technology
- Welding Technology

Associate Degree/Associate Degree for Transfer*(60 Units)

- Automotive Technology
- Diesel Technology
- Drafting Technology
- Engineering
- Electronics and Electric Technology
- Industrial Systems Technology and Maintenance

Bachelor Degree (120+Units)

- Civil Engineering
- Construction Management
- Electrical/Electronic Engineering
- Geomatics Engineering
- Mechanical Engineering
- Material Science + Engineering



Top Occupations



- AVG. STARTING ANNUAL SALARY +

Middle Skills Jobs

- Construction Supervisor \$38,000
- Aircraft Assembler \$33,000
- Layout Worker, Metal & Plastics \$27,000
- Computer-Controlled Machine Operator \$25,000
- Machinist \$25,000
- Automotive Service Technician \$22,000

Associate Degree Jobs

- Electrical Engineering Technician \$49,000
- Avionics Technician \$46,000
- Aircraft Mechanics and Service Technician \$41,000
- Civil Engineering Technicians \$40,000
- Architectural Drafter \$32,000
- Industrial Engineering Technician \$23,000

Bachelor Degree & Beyond Jobs

- Petroleum Engineer \$165,000
- Geological Engineer \$105,000
- Occupational Health and Safety Technician \$51,000
- Construction Manager \$40,000