



San Diego/Imperial

Meta Major ENGINEERING, CONSTRUCTION, TRANSPORTATION & MANUFACTURING

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

High Impact Skills

COMMON SKILLS

- | | |
|------------------------|-----------------|
| Communications | Leadership |
| Management | Coordinating |
| Construction | Microsoft Excel |
| Operations | Detail Oriented |
| Valid Driver's License | Problem Solving |
| Troubleshooting | |

HARD SKILLS

- | | |
|-------------------------|--------------------|
| Construction Management | Project Schedules |
| Subcontracting | AutoCAD |
| Mechanics | Machining |
| Civil Engineering | Electronics |
| Quality Control | Project Management |
| Test Equipment | |



Education Pathways



- AVG. UNITS REQUIRED +

Certificate (6-18 Units)

- Automotive Technology
- Aviation Maintenance
- Building Construction Technology
- Computer Aided Design and Drafting
- Construction Inspection
- Diesel Technology
- Electrical Technology
- Engineering Technology
- Water Technology
- Welding Technology

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

- | | |
|--------------------------------------|--|
| • Automotive Technology | • Management |
| • Aviation Maintenance Technician | • Electrical Engineering & Technology |
| • Building Construction Technology | • Engineering |
| • Computer Aided Design and Drafting | • Manufacturing Engineering Technology |
| • Construction | • Water Systems Technology |
| | • Welding Technology |

Bachelor Degree (120+Units)

- | | |
|---|-------------------------------------|
| • Aerospace Engineering | • Engineering |
| • Architecture | • Manufacturing Systems Engineering |
| • Construction Engineering & Management | • Industrial Engineering |
| • Civil & Environmental Engineering | • Material Science & Engineering |
| • Electrical | • Mechanical Engineering |



Top Occupations



- AVG. STARTING ANNUAL SALARY +

Middle Skills Jobs

- Construction Supervisor \$45,000
- Computer-controlled machine tool programmer \$40,000
- Aircraft Assembler \$28,000
- Industrial Tool Operator \$21,000
- Metal Worker \$20,000

Associate Degree Jobs

- Avionics Technician \$46,000
- Aircraft Mechanics and Service \$42,000
- Industrial Engineering Technician \$41,000
- Civil Engineering Technician \$38,000
- Electrical Engineering Technician \$38,000
- Architectural Drafter \$36,000
- Automotive Service Technician \$20,000

Bachelor Degree & Beyond Jobs

- Materials Engineer \$165,000
- Marine Engineer \$70,000
- Civil Engineer \$70,000
- Aerospace Engineer \$62,000
- Mechanical Engineer \$62,000
- Occupational Health and Safety Tech \$55,000
- Construction Manager \$46,000