



GLENCOE HIGH SCHOOL MANUFACTURING & DESIGN TECHNOLOGIES

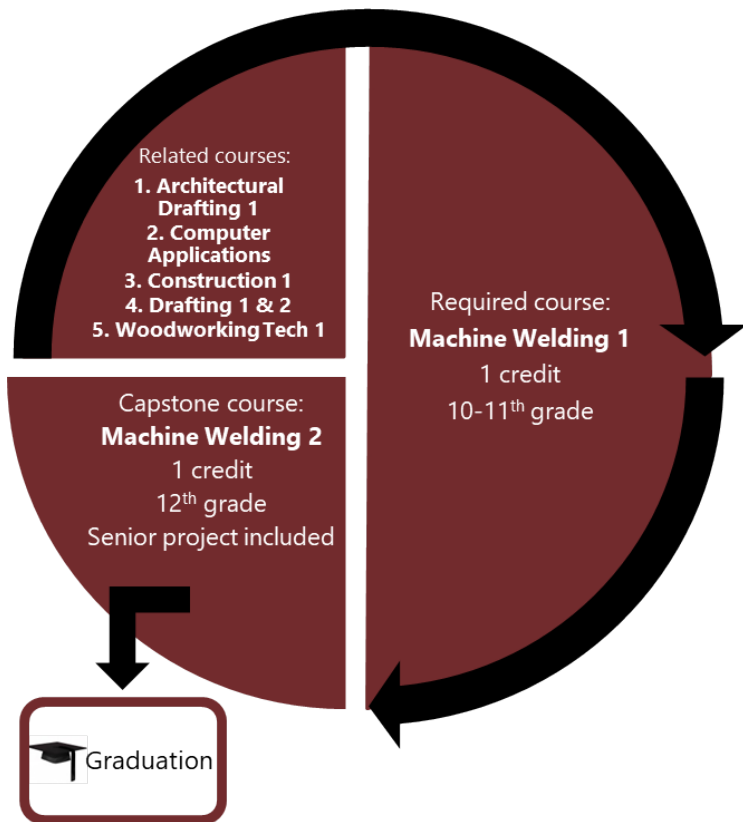
INSTRUCTOR:
JONATHAN STUPFEL
stupfelj@hsd.k12.or.us

For students interested in:

- Maintenance
- Repair work
- Manufacturing
- Commercial or residential tooling
- Assembly
- Industrial mechanics
- Welding
- Construction

SEQUENCE OF COURSES

Please refer to HSD course catalog for more information



PATHWAY TEACHES

STUDENTS TO:

- Work safely in the shop setting
- Read and interpret mechanical shop drawings
- Understand and apply shop math
- Use the forge oven correctly
- Fabricate and repair tools
- Perform advanced machine tool operations
- Use CNC and CAM software proficiently
- Be proficient in the following advanced welding processes: SMAW, FCAW, GMAW Steel and Aluminum, GTAW Steel, Stainless Steel and Aluminum, Certified weld test and Oxy-Acetylene cutting

CAREER POSSIBILITIES & SALARY RANGES

• Engineer	\$72,259- \$120,000
• Sheet Metal Worker	\$36,358- \$65,728
• Construction Manager	\$72,675- \$114,629
• Plumber	\$57,533- \$94,453
• Electrician	\$57,533- \$94,453
• Welder	\$36,379 - \$70,000
• Machinist	\$31,720 - \$80,000

SOME LOCAL COLLEGES & MAJORS

- **PCC**– Associate of Applied Science: Construction Trades, Electrician Apprenticeship Technology, Construction Trades–General Apprenticeship or Machine Manufacturing Technology
- **OSU**– Bachelors of Science: Construction Engineering Management
- **Chemeketa Community College**– Associate of Science: Welding Fabrication Technology
- **Clackamas Community College**– Associate of Applied Science: Welding Technology
- **OSU**– Bachelors of Science: Manufacturing Engineering or Mechanical Engineering

POTENTIAL LOCAL EMPLOYERS

- **Cascade Systems Technology**
- **Ultimate 3D**
- **R&D Plastics**
- **Genentech**
- **Jireh Semiconductor**
- **CoorsTek**
- **Acumed**
- **Tososh Quartz**
- **Davis Tool**
- **Epson**
- **Qorvo**
- **MetaFab**
- **Phoseon**
- **ASM**
- **Axiom**

To learn more about career and college opportunities, make an appointment with your counselor 503-844-1900 ext. 3504