



# CENTURY HIGH SCHOOL INDUSTRIAL & ENGINEERING SYSTEMS

**INSTRUCTOR:**

**MATT LOUN**

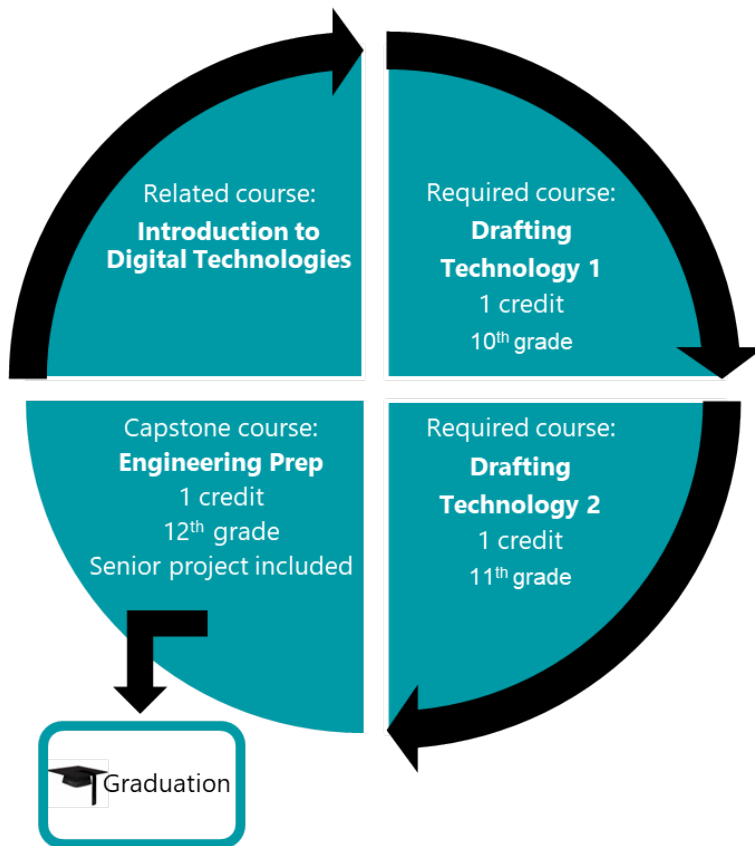
**[lounm@hsd.k12.or.us](mailto:lounm@hsd.k12.or.us)**

## For students interested in:

- Design
- Layout
- Production
- Manufacturing

## SEQUENCE OF COURSES

*Please refer to HSD course catalog for more information*



## PATHWAY TEACHES

### STUDENTS TO:

- Create accurate 2D and 3D drawings using CAD software
- Make structural drawing sets to industry standards
- Be effective as a team member to research data and create drawings
- Make mechanical drawing sets including detail and assembly drawings of parts
- Program industry level machines such as 3D printers and scanners, CNC vinyl cutters, CNC routers, CNC plasma cutter, a CNC mill, laser cutter/engraver

## CAREER POSSIBILITIES & SALARY RANGES

• Aerospace Technician	\$38,000 - \$93,000
• Manufacturing Technician	\$30,368 - \$42,193
• Engineer	\$72,259 - \$120,000
• Structural Designer	\$60,500 - \$110,000
• Production Manager	\$84,306 - \$120,000
• Machinist	\$31,720 - \$80,000
• Materials Planner	\$47,013 - \$90,000

## SOME LOCAL COLLEGES & MAJORS

- **PCC**– One Year Certificate: Computer Aided Design and Drafting
- **U of O**– Bachelors of Science: Product Design
- **Chemeketa Community College**– Associate of Science: Computer Assisted Drafting (CAD)
- **Clackamas Community College**– Associate of Applied Science: Computer-Aided Manufacturing
- **OSU**– Bachelors of Science: Manufacturing Engineering or Mechanical Engineering

## POTENTIAL LOCAL EMPLOYERS

- **Applied Materials**
- **Jireh Semiconductor**
- **CoorsTek**
- **Acumed**
- **Tososh Quartz**
- **Davis Tool**
- **Epson**
- **Qorvo**
- **MetaFab**
- **Phoseon**
- **ASM**
- **Axiom**
- **Intel**
- **RD Plastics**

*To learn more about career and college opportunities, make an appointment with your counselor 503-844-1814*