

Precision Machining, CTS – 27-30 credit hours



ABOUT

In our Advanced Manufacturing Center of Excellence, students are able to work on lathes, milling machines, precision-grinding equipment, computer numeric controlled (CNC) machines and many other machine tools, all of which are state of the art and representative of what is used in the industry. In addition to machine-specific training, students also receive instruction in subjects valuable in the manufacturing industry. Students will design and manufacture precision parts, from simple pieces such as nuts and bolts to complex, high-tech components. Jobs in the industry range from operating, maintaining, repairing or inspecting machines to designing and creating programs for CNC machines.

CAMPUS

River City Site

CAREER INFORMATION

Outlook: 12% increase in jobs by 2026

LA Star Rating: 4-stars

Salary: \$48,918/year or \$23.52/hour

FINANCIAL AID ADVISOR

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PROGRAM SEQUENCE

Semester 1

MTTC 212 Intro to Precision Machining
2-6-4/120

MTTC 222 Forming and Shaping
1-3-2/60

MTTC 231 Basic Lathe
2-4-3/90
Co-Requisite: MTTC 212

MTTC 241 Basic Mill
2-4-3/90
Co-Requisite: MTTC 212

Semester 2

ADOT 105 Survey of Computer Applications
3-0-3/45

MTTC 233 Advanced Lathe
2-6-4/120
Pre-Requisites: MTTC 212 & 231

MTTC 243 Advanced Mill
2-6-4/120
Pre-Requisites: MTTC 212 & 241

MTTC 271 CNC
2-6-4/120
Pre-Requisites: MTTC 212, 231, & 241

Optional Elective

MTTC 280 Practicum: Precision Machining
0-6-3/90