

# Precision Machining, CTS – 33 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

## ACADEMIC ADVISOR

**Monecia Moody-Johnson**

mmoody@dcc.edu

### Jefferson Site:

Mondays, Thursdays & Fridays  
(504) 671-6792

### Sidney Collier Site:

Tuesdays & Wednesdays  
(504) 941-8560

## FINANCIAL AID ADVISOR

**Marla Garrity**, mgarri@dcc.edu

## PROGRAM SEQUENCE

### Semester 1

**CCSS 108** Career Success Skills  
2-2-3/60

**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