



## CAREER & TECHNICAL EDUCATION AREA



# VINCENNES UNIVERSITY

## PRECISION MACHINING

### PROGRAM DESCRIPTION

Precision Machining is a highly skilled occupation in which raw material is machined and transformed into specialized industrial tooling.

Vincennes University offers the most comprehensive Precision Machining Technology program in Indiana, and is one of the few in the United States to offer specialized training in manual machining, CNC machining, metal stamping die, and plastic injection mold building.

With over 1,600 hours of hands on experience, students have the opportunity to develop a solid background in machine shop practices, as well as learn the set-up and operation for all basic types of manual and CNC machine tools. Classroom discussions focus on theory, terminology, and calculations.

The type and quality of equipment used in our labs include traditional machine tools as well as the latest in CNC equipment— identical to that found in industry. In addition, our faculty has an extensive background in education, teaching, and industry, to ensure that students receive instruction in both theory and practical applications.

### OCCUPATIONS UPON COMPLETION OF PROGRAM:

Machinist, Tool & Die Maker, Plastic Injection Mold Maker, CNC Machinist, Tooling Designer, Application Engineer.

### ADDITIONAL EDUCATION/TRAINING AVAILABLE AFTER VU:

Graduates of Precision Machining Technology may apply for acceptance into Advanced CNC Machining & Programming Technology, which then serves as the junior year of the VU Bachelor of Technology degree with an Advanced Manufacturing concentration.

### ADDITIONAL INFO

**GRADE LEVEL:** 11TH OR 12TH

**LENGTH OF PROGRAM:** 1 YEAR - 1/2 DAY

**HS CREDITS PER SEMESTER:** 3

**HS CREDITS PER YEAR:** 6

**VU PRECISION MACHINE WEBSITE**



### DOE CODE:

7190 - Principles of Precision Machining

7105 - Precision Machining Fundamentals

7107 - Advanced Precision Machining

### COURSE INFO

#### Fall Semester Courses:

**PMTD 110/110L Manufacturing Processes (Lab)**

(2 Cr Hrs) M/W 12:30pm - 2:20pm

**DRAF 101 Manufacturing Design & Production Principles**

(2 Cr Hrs) T/TH 12:30pm - 2:20pm

#### Spring Semester Courses:

**PMTD 125 CNC Prog and Operations 1**

(4 Cr Hrs) M/W 12:30pm - 3:20pm

**PMTD 117 Fixturing and Production Processing**

(2 Cr Hrs) M/W 12:30pm - 3:20pm



### FEES:

**Course Fees:**

**Fall Semester - \$ 500**

**Spring Semester - \$ TBD**

**Tuition:** Twin Rivers pays ALL CTE course tuition. Student pays for fees and books.

**VU ADVISOR: JONATHAN VENNARD**

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\*FEES ARE APPROXIMATE AND COULD VARY FROM YEAR TO YEAR