

# Program - Industrial Machine Shop

## JumpStart Pathway Manufacturing

Courses: Ind Mshop 2P I, II, III, IV

4 Semesters - 8 credits

Grades: 11 and 12

Dual Enrollment – Delgado Community College

NIMS Accredited Program



**WOULD YOU LIKE TO EXPLORE A CAREER WHERE STUDENTS CAN GET HIGH WAGE JOBS AFTER HIGH SCHOOL? ARE YOU INTERESTED IN MECHANICAL ENGINEERING? ARE YOU READY TO USE YOUR MATH SKILLS TO CREATE DETAILED ALUMINUM AND STEEL PRODUCTS? COME TRAIN TO BE A MACHINISTS AND LEARN TO OPERATE INDUSTRY TOOLS TO PRODUCE PRECISION METAL PARTS.**

According to the Bureau of Labor Statistics, Machinist, Tool and Die Makers median pay was \$45,750 per year \$21.99 per hour earned in 2019. ([www.bls.gov](http://www.bls.gov)) Jobs are expected to grow by 3% from 2019 to 2029

### Program Description:

The Cuillier Program is accredited by the National Institute for Metalworking Skills (NIMS). Our instructor trains students to successfully earn NIMS certifications, that are recognized by industry. Students may also earn dual enrollment through Delgado Community College and many are ready for internships or to move to industry jobs after high school. Student machinists learn proper techniques and safety requirements; to read blueprints, about quality control, metal properties, and heat treatment of machine-ready metals. You will use machine shop math to create parts, so completion of Geometry and Algebra II is helpful, as you will develop knowledge and skill to create machine parts using lathes, mills, drill presses, grinders; and to set-up, code and operate computer numeric controlled (CNC) machines.

**This is a class for everyone - remember a good job is for all genders.**



### Industry Based Certifications:

NIMS Level 1 – Measurement & Job Planning (**Basic**)

Level II – Turning (**Advanced**)

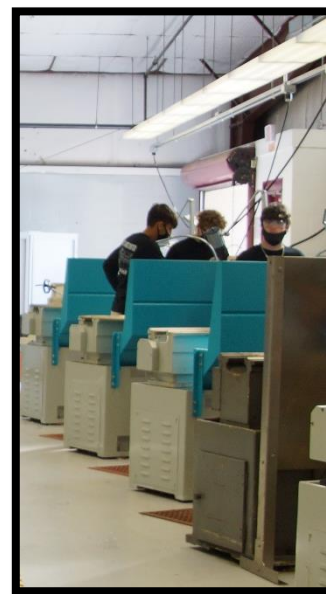
Additional certification for 2<sup>nd</sup> year students – CNC Machining

### Additional Information

Steel toed shoes must be worn in shop. Safety goggles worn when working on all machines.

### Related Careers:

CNC Machinist -CNC Programmer Tool & Die Maker; with associate degree: Industrial Engineering Technician - Mechanical Drafter - Mechanical Engineering Technician; with bachelor's degree: Industrial Designer- Industrial Production Manager- Mechanical Engineer



Information for this page compiled from <https://www.louisianabelieves.com/resources/library/jump-start-graduation-pathways> <https://www.bls.gov/ooh/production/machinists-and-tool-and-die-makers.htm>