

# Patoka Valley CTE Cooperative

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Director- Jarred Howard

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## Precision Machining

Course Title: Principles of Precision Machining (7109), Machining Fundamentals (7105), Adv. Machining (7107)

Location: Pike Central High School

Class time: 8:20-10:45

Credits Per Semester: 3

Description: Introduction to manual machining using manual mills, lathes, surface grinders, drill presses, and saws. Blueprint reading, metallurgy, shop math, and safety incorporated into curriculum. Students machine basic machinist tools.

Dual Credit: VU PMTD 110/110L, 120

Prerequisites/Requirements for application: None

Occupations/Job Placements: Entry level machining position after high school, or continuing education at a post-secondary institution. Jasper Engines, Ridetech, Loughmiller Son-Flow Machine, Toyota, North American Lighting, R & L Machine

Instructor Information: Mark Scott - [markscott@pcsc.k12.in.us](mailto:markscott@pcsc.k12.in.us)

## Precision Machining 2

Course Title: Precision Machining Capstone (7219)

Location: Pike Central High School

Class time: 12:50-3:15

Credits Per Semester: 3

Description: Continuation of Precision Machining I, along with the introduction of basic CNC manual programming and machine set-up.

Dual Credit: Vincennes University PMTD 115 CNC Set-up & Operations, PMTD 116 Introduction to CNC Programming, and PMTD 105 Understanding Industrial Blueprints

Prerequisites/Requirements for application: Prec. Machining 1.

Occupations/Job Placements: Entry level machining or CNC position after high school or continue education at a post-secondary institution. Jasper Engines, Ridetech, Loughmiller, Son-Flow Machine, Toyota, Onyett Fabrication, Toyota, North American Lighting, R & L Machine

Instructor Information: Mark Scott - [markscott@pcsc.k12.in.us](mailto:markscott@pcsc.k12.in.us)

## [Program Video](#)