

# **MACHINE TRADES**

***Location:***

FCAVC, Kendallville, IN

***Course Description:***

The Machine Trades program introduces students to the basics of the precision tool making trade. Students will be instructed in the use of lathes, mills, surface grinders, O.D. grinders, drill press, saws and other machine shop equipment related to precision tool making. More technically advanced machinery includes CNC mill, CNC lathe, EDM Sinker and EDM Wire. Student projects are geared toward building precision tools to use when they enter this career field. Second year students will learn more advanced techniques of machining projects.

***Program Duration:***

This program is open to juniors and seniors who may enroll for one or both years. It is recommended that students consider this program for two years for advancement into related post-secondary and apprenticeship programs. The instruction is scheduled for three hours daily.

***Credits:***

Students enrolled in Machine Trades receive credit based upon the type of schedule offered at each school. Students may earn up to 9 hours of dual credit through Ivy Tech Community College and 3 hours of dual credit through Vincennes University.

***Enrollment Procedure:***

Students need to contact their Guidance Counselor for an application.

***Fees:***

Students will pay for materials and supplies (steel, etc...) for their personal projects. Students are also required to purchase (either from the instructor or on their own) a shop apron and basic tool kit including such items as: machinist rule, adjustable wrench, etc... The total cost for participation in this program is approximately \$60.