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Huron Manufacturing Engineering & CNC Technology



*This program offers excellent
career opportunities for both
male and female students.*

Credits, Articulations & Prerequisites

Credits:

Cross credit with some academic courses (including 4th year related math, VPAA, math & science) may be available and will be reviewed on a case-by-case basis with each district's counseling department.

Dual Enrollment:

- Henry Ford College – up to 18 credit hours
- Credential awarded upon successful completion of program

Prerequisites:

- Junior status and on track for graduation
- GPA of 2.0 or higher in core classes'
- Program application required before acceptance

Program Description

This program provides students with the opportunity to obtain skills with Computer Numerical Controlled equipment as part of an Engineering curriculum. Students enrolled in the program receive training on the latest equipment used in the modern manufacturing environment at Henry Ford College.

Students will learn on HAAS Computer Numerical Control lathes, mills and trainer, along with a wide variety of manual machine tools. Heat treating, hardness testing, quality control techniques utilizing Coordinates Measuring Machines and Statistical Process Control will be introduced.

The courses required will be in-line with the Henry Ford MAT2 program offerings which greatly improve a student's employability opportunities. The classes can be used as a building block toward an Associate in Applied Science degree.

Interested and qualified students may have an opportunity to spend a one-semester paid internship with local area employers for on-the-job training aligned to the curriculum.

Attendance history must meet the standard of the sending school district and additional prerequisites may be required by Henry Ford College.

Special Features

In cooperation with Henry Ford College, the successful Manufacturing Engineering and CNC Technology student will finish high school having completed up to 18 hours of **free** undergraduate credit. Should a student choose, they can complete their Associate's Degree at HFC while they are working in their career field.

Leadership and work-based learning opportunities available.

Students will meet at the Michigan Technical Education Center of Henry Ford College located at 3601 Schaefer Road, Dearborn, MI

STATEMENT OF COMPLIANCE

The Downriver Career Technical Consortium complies with all federal laws and regulations of the U.S. Department of Education. It is the policy of the Downriver Career Technical Consortium that no person on the basis of race, color, religion, national origin or ancestry, age, gender, marital status, disability or limited English proficiency shall be discriminated against or excluded from participation in any program or activity to which it is responsible or for which it receives financial assistance from the U.S. Department of Education. Furthermore, the consortium will encourage participation by all of the above.

Adopted by the Downriver Career Technical Consortium
November 23, 1982