



Learning Center Building
22000 Gibraltar Rd., Flat Rock, MI 48134

CAP SHEET

PROGRAM: **Drafting and Design**

TEACHER: J. Nasarzewski

SCHOOL: Southgate



Credits given in addition to regular CTE are:

- VPAA 1 Credit
- 4th Year Math Related 1 Credit

Articulation agreements and/or licensure opportunities are:

- Davenport University
- Henry Ford Community College
- Monroe County Community College
- Wayne County Community College District

Prequisites for this program (including application processes if needed) are:

- Successful completion of math class
- Grade of C or better in Drafting I to move to Drafting II

**THIS PROGRAM OFFERS EXCELLENT CAREER OPPORTUNITIES FOR
BOTH MALE AND FEMALE STUDENTS**

BRIEF DESCRIPTION OF THIS PROGRAM

Drafting and Design teaches students how to solve engineering problems facing society today using technical drawing and computer aided drafting (CAD). Emphasis on technical sketching, orthographic projection, drawing layout, drafting and CAD standards and conventions, dimensioning, sectioning, annotation and basic design principals is found in the first four courses. Further, foundation for computer aided drafting/design including file management, basic drawing commands, basic editing commands, layering blocks and wblocks, dimensioning, polylines, hatching and plotting reflects the computer influence of the curriculum.

SPECIAL FEATURES OF THIS PROGRAM.

Advanced students will create prototypes, both functional and representative, using everything from simple mock-ups to state of the art rapid prototyping machines.

In the past students have been able to use the technical training Laboratory at Auto Alliance under the guidance of skilled tradesmen. This experience includes a tour of the Mustang Plant.



DCTC

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Airport, Flat Rock, Gibraltar-Carlson, Grosse Ile, Huron, Riverview,
Southgate-Anderson, Trenton and Woodhaven**

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