

## Colleges to Consider:

Delta College

Ferris State University

Henry Ford Community College

Lake Superior State University

Lansing Community College

Lawrence Technological Institute

Michigan State University

Michigan Tech

Mott Community College

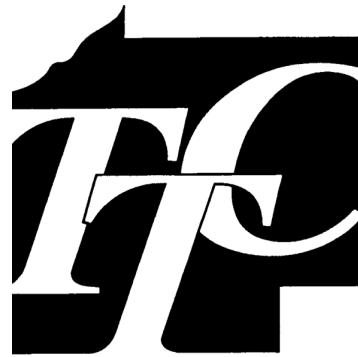
Northern Michigan University

Oakland University

University of Michigan

Washtenaw Community College

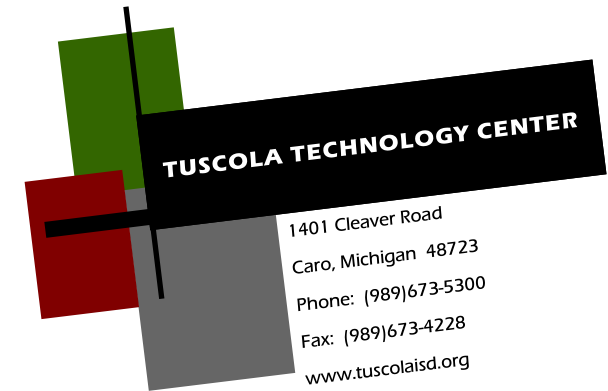
Western Michigan University



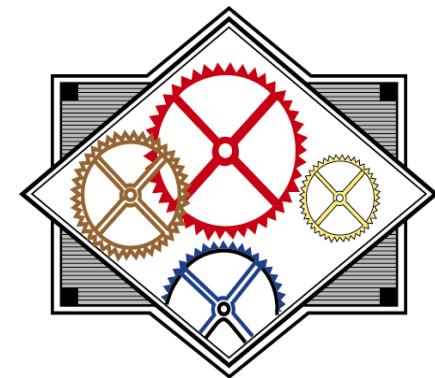
### TUSCOLA TECHNOLOGY CENTER

In compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990, it is the policy of the Tuscola Intermediate School District that no person shall, on the basis of religion, race, color, national origin, sex, disability, age, marital status, height, weight, arrest record, and familial status be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program or activity or employment. Inquiries regarding this policy should be directed to the Tuscola ISD Superintendent, 1385 Cleaver Road, Caro, Michigan 48723, (989) 673-2144.

**Tuscola Technology Center upholds  
the dignity of all careers.**



## ELECTRICITY/ ELECTRONICS



**Engineering/Manufacturing &  
Industrial Technology Pathway**

## WHAT YOU WILL LEARN

- D.C. fundamentals
- A.C. fundamentals
- Basic and advanced test equipment
- Soldering techniques
- Logical trouble-shooting procedure
- Basic electronics
- Solid-State principles
- Digital fundamentals
- Microprocessor fundamental
- Robotics
- Consumer electronics
- Critical thinking skills
- Decision making skills
- Teamwork skills

## TRAITS YOU SHOULD POSSESS:

- Ability to work with detail
- Strong math skills
- Ability to identify colors
- Reasoning ability

## ELECTRONICS

One of the fastest growing careers in the nation is Electronic Technician. This highly technical field allows students to learn on state-of-the-art equipment. Become familiar with terms such as robotics, transistors, integrated circuits, and digital controllers.

A successful Electronic Technician is a highly skilled builder and troubleshooter of electronic equipment. The Electronics program provides the students with the knowledge and hands-on skills required in the workplace. Students will cover, design, repair, development, manufacturing, and testing of electrical and electronic components. Products and systems for commercial, industrial, medical, military, and scientific purposes are also explored.

### PROGRAM CURRICULUM

BASIC ELECTRICITY

COMPUTERS

SOLID-STATE AND DIGITAL ELECTRONICS

ELECTRONIC COMMUNICATION

ROBOTICS

AUTOMATION

CONSUMER ELECTRONICS REPAIR

## HELPFUL BACKGROUND CLASSES:

- DRAFTING
- MATH
- PHYSICS
- SCIENCE

### WHERE YOU CAN GO FROM HERE:

Your second year could include:

- Return to the Electronics program
- Employment through the TTC Co-op program
- Attend a different TTC program
- Return as a day or night adult education student

Following one or two years in this program, you may find employment in the following fields:

- Engineering technician
- Hi-fidelity/VCR-TV service person
- Computer service apprentice
- Electronics assembler

You may also continue your education at a college or trade school for more advanced career opportunities.