

Michigan Career and Technical Institute – East
Applied Technology Assessment Program

Program Description

This 10 week assessment program is offered through MCTI East's Career Readiness Center. The purpose of the assessment is to determine if the student has the skills and abilities to succeed in an apprenticeship program, a manufacturing industry related program at a community college or the Electronics program at MCTI's main campus.

The program combines industry (manufacturing) focused job readiness, employability skills, and project-based (hands-on) assessment and learning. The assessment program takes place in the Applied Technology Laboratory - a well-equipped state-of-the art industry standard technical lab. More than 75 percent of the student's time is spent in the lab with hands on assessment and skill building exercises.

Application Requirements

Acceptance in MCTI East program; 5th grade reading/math level.

Aptitude/Abilities

Ability to make good judgments (safety), do precision work, like hands-on work, and likes to work with tools. Average learning ability, average spatial and form perception, average motor coordination.

Students will receive assessment and skill building in the following areas:

- Control Systems
- Power and Energy
- Materials and Processes
- Design and Fabrication
- Automation
- Computer Aided Manufacturing
- Electrical Relay Control Systems
- Electrical Circuits, Power and Energy
- Computer Aided Design (CAD)
- Basic Measurement Tools (SI and U.S. Customary Units) Fasteners, Fittings, Hand and Power Tools

MCTI EAST

11457 Shoemaker, Suite 1003, Detroit, MI 48213 (313) 267-0120 phone (313) 267-0127 fax
855-246-MCTI toll-free

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MRS customers or MCTI students who most closely match the following criteria will be accepted into the assessment program:

WORK KEYS

1. Reading for Information Work-Keys Level 3.
2. Applied Mathematics Work -Keys Level 3.
3. Locating Information Work-Keys Level 3.

CASAS Scaled Score

1. Reading 216 - 220
2. Math 216 - 220

Temperament

Demonstrate the ability to work effectively under stress, carry out detailed written and oral instructions, good mechanical aptitude, task planning and organization, the ability to problem solve and compute dimensions

Aptitudes

Ability to make good judgments (safety), do precision work, like hands-on work, and likes to work with tools. Average learning ability, average spatial and form perception, average motor coordination.

Physical Demands

Manual dexterity; May require some occasionally lifting once employed and depending on where they become employed: (but not in class) – 20 to 50 pounds of force occasionally or 10 to 25 pounds or force frequently.

Environment

Industrial

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