

HEAVY EQUIPMENT OPERATOR



Learn skills for your lifetime! This program provides students with an orientation to the heavy equipment industry including heavy equipment safety, equipment maintenance and basic operation techniques for tractors, trucks, and earth moving equipment. Included will be techniques of underground construction including grades, below grade construction, surveying, and earth moving. Also covered is how to lay pipe and cable including the different kinds of soils and processes used in different kinds of construction. This can be Part Two of a two-year program. If college level work is attained, student may earn up to 8 articulated LCC credits after two years.

Program Location:

*AIS Construction Equipment Company
(shuttle available from LCC West)*

Session Offered: AM/PM

Average Lecture Days/Week: 2-3 days

Average Lab Days/Week: 2-3 days

Homework: Weekly

Required reading:

*College level textbooks
25+ pages/week*

LCC Credits Available: 8 articulated credits after two years
(If college level work is attained)

Student learning outcomes include but are not limited to:

- Orientation to the trade
- Heavy equipment safety
- Identification of heavy equipment
- Basic operation techniques
- Tractors
- Grades trucks
- Below grade construction
- Earthmoving

HIGH SCHOOL/COLLEGE CREDIT

The primary focus of the Eaton Intermediate School District Career Preparation Center is to enhance a student's high school curriculum by providing an opportunity to learn a technical trade and/or to obtain a head start on a post-secondary education.

All students completing an Eaton Intermediate School District's Career Center program at Lansing Community College **have the opportunity** to earn either direct or articulated college credit while completing their high school program if specific criteria are met.

LCC credit is awarded to a student who: a) completes the high school career and technical education course with a minimum of a "C" average; b) meets the performance objectives for a specific Lansing Community College course; and, c) passes the college course final examinations, if one is required. These credits are shown as numerical grades on the student's LCC transcript. Transcripts may be requested through Lansing Community College Enrollment Services Department by August following course completion.

The courses listed below show the possible LCC college credits that may be available to high school students taking an EISD Career Preparation Program.

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Students completing both heavy equipment operator and repair programs will have the opportunity to earn the following LCC articulated credit.

AUTO 100 Automotive Service I

3 LCC Credits

This course is intended to provide the student with an extensive orientation to an automotive repair facility while developing tool and equipment usage skills needed to advance in the automotive repair field.

HEOT 100 Equipment Introduction

5 LCC Credits

This course is intended to give the student an overall review of legal and work responsibilities of an operator of heavy construction equipment. Safety, inspections, and familiarization of equipment and operation standards for all major pieces of equipment will be stressed.