

HEAVY EQUIPMENT OPERATOR CERTIFICATE

The Heavy Equipment Certificate program is designed to provide students with an overview of the industry, laws, regulations, qualifications, preventive maintenance, controls, and basic experiences/skills in the operation of heavy equipment.

Occupational Objective: *Entry-level employment in the heavy equipment industry.*

| Related Instruction Requirements | | Credits |
|----------------------------------|-----------------------------------|---------|
| Communications | WRIT 104 Workplace Communications | 3 |
| Health | HLTH 106 Focus on Health | 1 |
| Human Relations | HS 100 Human Relations | 1 |
| Mathematics | M 111 Technical Mathematics | 3 |
| Native American Studies | NASX (one course) | 1 |
| Technology | CAPP (one course) | 1 |

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| Total Related Instruction credits required for certificate | 10 |
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| Heavy Equipment Operator Certificate Program of Study | | Credits |
|---|---------------------------------|---------|
| AUTO 110 | Shop Orientation | 2 |
| HEO 110 | Vehicle Mechanical Operations | 2 |
| HEO 150 | Introduction to Heavy Equipment | 2 |
| HEO 155 | Basic Controls | 3 |
| HEO 160 | Heavy Equipment Operations | 4 |
| HLTH 111 | First Aid/CPR | 1 |
| WLDG 105 | Introduction to Welding | 2 |
| | Electives | 4 |

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| Total Program of Study credits required for certificate | 20 |
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| Total credits required for certificate | 30 |
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Heavy Equipment Operator Program Learning Outcomes

- Demonstrate knowledge and understanding of the use of proper tools, equipment and safety procedures used to safely perform minor maintenance and during operations.
- Identify common equipment designs and demonstrate the basic skills needed to perform skid-steer, wheel loader, backhoe, and motor grader operations in basic job site applications.
- Communicate through both verbal and written communication in common heavy equipment terminology and develop workplaces