



**Heavy Equipment Operation & Maintenance  
Diploma - B II (December Start)  
Program Course Requirements  
2010-2011**  
*revised 3/29/10*

**Student Name** \_\_\_\_\_ **Student ID#** \_\_\_\_\_

Course #	Course Title	Credits	Lecture Hrs	Lab Hrs
<b>REQUIRED COURSES</b>				
___ HEOM 1101	Construction Safety and First Aid	1	1	0
___ HEOM 1102	Mechanical Theory	1	1	0
___ HEOM 1107	Tools, Fasteners, Shop Practices	1	0	2
___ HEOM 1108	Heavy Equipment Math/Estimating	2	2	0
___ HEOM 1110*	Preventative Maintenance	5	1	8
___ HEOM 1151	Heavy Equipment Welding	1	0	2
___ HEOM 1165*	Commercial Drivers License	3	0	6
___ HEOM 1200	Intro to Operations	1	0	2
___ HEOM 1211	Servicing I	3	0	6
___ HEOM 1212*	Servicing II	2	0	4
___ HEOM 2102*	Construction Survey/Blueprints	5	5	0
___ HEOM 2103*	Soils and Compaction	4	3	2
___ HEOM 2110*	Backhoe/Excavator Theory	1	1	0
___ HEOM 2111*	Loader Theory	1	1	0
___ HEOM 2134*	Operations Theory	1	1	0
___ HEOM 2135*	Construction Theory	1	1	0
___ HEOM 2138*	Grading Lab II	4	0	8
___ HEOM 2141*	Excavation Lab II	3	0	6
___ HEOM 2142*	Excavation Lab III	3	0	6
___ HEOM 2150	Competent Person	2	2	0
___ HEOM 2350*	Operator Internship	13		
	<b>Total</b>	<b>58</b>		

**GENERAL EDUCATION**

**Required courses:**

___ CCST 1530	Employment Strategies	3	3	0
___ COMP 1101	Computer Fundamentals	3	3	0
	<b>Total</b>	<b>6</b>		

**ELECTIVE**

___ HEOM 1365	Class A CDL Permit	1	1	0
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**GRADUATION REQUIREMENT** **64**

\*Denotes Prerequisites

The bubble group would be able to take second year classes prior to first year classes.

In order to receive a degree, diploma, or certificate from Central Lakes College, students must complete one-third of their credits at Central Lakes College. For programs exceeding 60 credits, a maximum of 20 semester credits must be completed at Central Lakes College.

**Evaluator** \_\_\_\_\_ **Date** \_\_\_\_\_



## Heavy Equipment Operation & Maintenance Diploma – **B II (December Start)** Program Course Requirements 2010-2011

Course #	Course Title	Credits	Lecture Hrs	Lab Hrs
<b><u>FIRST YEAR</u></b>				
<b>LATE FALL SEMESTER</b>				
HEOM 1102	Mechanical Theory	1	1	0
HEOM 1107	Tools, Fasteners, Shop Practices	1	0	2
HEOM 1108	Heavy Equipment Math/Estimating	2	2	0
HEOM 1110*	Preventative Maintenance	5	1	8
HEOM 1211	Servicing I	3	0	6
HEOM 2103*	Soils and Compaction	4	3	2
HEOM 2150	Competent Person	2	2	0
	<b>Total</b>	<b>18</b>		
<b>SPRING SEMESTER</b>				
COMP 1101	Computer Fundamentals	3	3	0
CCST 1530	Employment Strategies	3	3	0
HEOM 1101	Construction Safety and First Aid	1	1	0
HEOM 1151	Heavy Equipment Welding	1	0	2
HEOM 1165*	Commercial Drivers License	3	0	6
HEOM 1200	Intro To Operations	1	0	2
HEOM 2102*	Construction Survey/Blueprints	5	5	0
	<b>Total</b>	<b>17</b>		
<b>SUMMER SEMESTER</b>				
HEOM 1212*	Servicing II	2	0	4
HEOM 2110*	Backhoe/Excavator Theory	1	1	0
HEOM 2111*	Loader Theory	1	1	0
HEOM 2134*	Operations Theory	1	1	0
HEOM 2135*	Construction Theory	1	1	0
HEOM 2138*	Grading Lab II	4	0	8
HEOM 2141*	Excavation Lab II	3	0	6
HEOM 2142*	Excavation Lab III	3	0	6
	<b>Total</b>	<b>16</b>		
<b><u>SECOND YEAR</u></b>				
<b>FALL SEMESTER</b>				
HEOM 2350*	Operator Internship	13		
	<b>Total</b>	<b>13</b>		
	<b>GRADUATION REQUIREMENT</b>	<b>64</b>		

\*Denotes Prerequisites

*In order to receive a degree, diploma, or certificate from Central Lakes College, students must complete one-third of their credits at Central Lakes College. For programs exceeding 60 credits, a maximum of 20 semester credits must be completed at Central Lakes College.* CLC is committed to a policy of nondiscrimination in employment and education opportunity. No person shall be discriminated against in the terms and conditions of employment, personnel practices, or access to and participation in, programs, services, and activities with regard to race, sex, color, creed, religion, age, national origin, disability, marital status, status with regard to public assistance, sexual orientation, or membership or activity in a local commission as defined by law. This information is available in alternative format upon a 48-hour advance request by contacting Disability Services at 800-933-0346, ext. 8175. Minnesota Relay Service: 800-627-3529 or 612-297-5353.