



**Heavy Equipment Operation & Maintenance
Diploma - (June Start) Option 3
Program Course Requirements
2010-2011
revised 7/20/10**

Student Name _____ **Student ID#** _____

Course #	Course Title	Credits	Lecture Hrs	Lab Hrs
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REQUIRED COURSES

___ 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 1261*	General Lab	5	0	10
___ 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 2136*	Grading Lab I	5	0	10
___ HEOM 2138*	Grading Lab II	4	0	8
___ HEOM 2140*	Excavation Lab I	3	0	6
___ HEOM 2141*	Excavation Lab II	3	0	6
___ HEOM 2142*	Excavation Lab III	3	0	6
___ HEOM 2150	Competent Person	2	2	0
	Total	58		

GENERAL EDUCATION

Required courses:

___ CCST 1530	Employment Strategies	3	3	0
___ COMP 1101	Computer Fundamentals	3	3	0
	Total	6		

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 – (June Start) Option 3 Program Course Requirements 2010-2011

Course #	Course Title	Credits	Lecture Hrs	Lab Hrs
<u>FIRST SEMESTER - SUMMER SEMESTER</u>				
COMP 1101	Computer Fundamentals	3	3	0
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 1151	Heavy Equipment Welding	1	0	2
HEOM 1200	Intro To Operations	1	0	2
HEOM 1211	Servicing I	3	0	6
HEOM 2150	Competent Person	2	2	0
	Total	15		
<u>SECOND SEMESTER - FALL SEMESTER</u>				
HEOM 1165*	Commercial Drivers License	3	0	6
HEOM 1212*	Servicing II	2	0	4
HEOM 1261*	General Lab	5	0	10
HEOM 2134*	Operations Theory	1	1	0
HEOM 2136*	Grading Lab I	5	0	10
	Total	16		
<u>THIRD SEMESTER - SPRING SEMESTER</u>				
CCST 1530	Employment Strategies	3	3	0
HEOM 2103*	Soils and Compaction	4	2	4
HEOM 2110*	Backhoe/Excavator Theory	1	1	0
HEOM 2135*	Construction Theory	1	1	0
HEOM 2138*	Grading Lab II	4	0	8
HEOM 2140*	Excavation Lab I	3	0	6
	Total	16		
<u>LAST SEMESTER - SUMMER SEMESTER</u>				
HEOM 1110*	Preventative Maintenance	5	1	8
HEOM 2102*	Construction Survey/Blueprints	5	5	0
HEOM 2111*	Loader Theory	1	1	0
HEOM 2141*	Excavation Lab II	3	0	6
HEOM 2142*	Excavation Lab III	3	0	6
	Total	17		
	GRADUATION REQUIREMENT	64		

*Denotes Prerequisites

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