

HEAVY EQUIPMENT OPERATION, MANAGEMENT, AND SERVICE

Heavy Equipment Operation, Management, and Service: Repair and Welding Degree – A35340A

Program Sequence

First Semester

HEO 111	Heavy Equipment Operations I	12
HEO 114	Erosion Control and Regulations	2
ISC 121	Environmental Health and Safety	3
PSY 118	Interpersonal Psychology	3
Elective List I		2

Completes Basic Heavy Equipment Operator Certificate (C35340A):
Choose 2 credit hours from Elective List I + HEO 111, ISC 121

Complete Basic Evening Operator Certificate (C35340EA): HEO 111

Second Semester

HEO 112	Heavy Equipment Operations II	12
HEO 113	Grades and Drawings	3
HET 125	Preventive Maintenance	2
ENG 110	Freshman Composition	3

Completes Advanced Heavy Equipment Operator Certificate (C35340B): HEO 112, HEO 113, HET 125

Completes Advanced Evening Operator Certificate (C35340EB):
HEO 112

Third Semester

Elective List II		2
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Completes Heavy Equipment Operation, Management, and Service Diploma (D35340): Choose 2 credits from Elective List I and 2 credits from Elective List II + ENG 110, HEO 111, HEO 112, HEO 113, HEO 114, HET 125, ISC 121, PSY 118

Fourth Semester

HYD 134	Hydraulic/Hydrostatic Construction	4
TRN 120	Basic Transportation Electricity	5
TRN 170	PC Skills for Transportation	2
WLD 110	Cutting Processes	2
HUM 121	The Nature of America	3

Fifth Semester

HET 134	Mechanical Fuel Injection	3
PME 221	Construction Equipment Servicing	2
WLD 112	Basic Welding Processes	2
COM 120	Intro to Personal Communication	3
MAT 110	Math Measurement and Lit	3

Elective List I (Select 2 hours from the following courses):

HEO 150	MSHA-Equip Tech and Operator	2
ISC 115	Construction Safety	2

Elective List II (Select 2 hours from the following courses):

HEO 116	Soil Excavation & Groundwork	2
TRN 140	Trans Climate Control	2
WBL 111	Work-based Learning I	1
WBL 112	Work-based Learning I	2
WBL 121	Work-based Learning II	1

Graduation Requirements 73 Credit Hours

Heavy Equipment Operation, Management, and Service: Project Management Degree – A35340B

Program Sequence

First Semester

HEO 111	Heavy Equipment Operations I	12
HEO 114	Erosion Control and Regulations	2
ISC 121	Environmental Health and Safety	3
PSY 118	Interpersonal Psychology	3
Elective List I		2

Completes Basic Heavy Equipment Operator Certificate (C35340A):
Choose 2 credit hours from Elective List I + HEO 111, ISC 121

Complete Basic Evening Operator Certificate (C35340EA): HEO 111

Second Semester

HEO 112	Heavy Equipment Operations II	12
HET 125	Preventive Maintenance	2
MAT 121	Algebra/Trigonometry I	3
Elective List II		3

Completes Advanced Evening Operator Certificate (C35340EB):
HEO 112

Third Semester

Elective List III		2
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Fourth Semester

HEO 113	Grades and Drawings	3
ISC 222	Project Planning and Control	2
SRV 110	Surveying I	4
TRN 170	PC Skills for Transportation	2
COM 120	Intro to Personal Communication	3

Completes Advanced Heavy Equipment Operator Certificate (C35340B): HEO 112, HEO 113, HET 125

Fifth Semester

BUS 137	Principles of Management	3
CEG 235	Project Management/Estimating	3
ENG 110	Freshman Composition	3
HUM 121	The Nature of America	3
Elective List IV		2

Completes Heavy Equipment Operation, Management, and Service Diploma (D35340): Choose 2 credits from Elective List I and 2 credits from Elective List II + ENG 110, HEO 111, HEO 112, HEO 113, HEO 114, HET 125, ISC 121, PSY 118

Elective List I (Select 2 hours from the following courses):

HEO 150	MSHA-Equip Tech and Operator	2
ISC 115	Construction Safety	2

Elective List II (Select 3 hours from the following courses):

CEG 115	Intro to Tech and Sustainability	3
EGR 115	Intro to Technology	3

Elective List III (Select 2 hours from the following courses):

CMT 210	Construction Management Fund	3
CMT 212	Total Safety Performance	3
TRN 140	Trans Climate Control	2
WBL 111	Work-based Learning I	1
WBL 112	Work-based Learning I	2
WBL 121	Work-based Learning II	1

Elective List IV (Select 2 hours from the following courses):

CEG 210	Construction Mtls & Methods	3
HEO 116	Soil Excavation & Groundwork.....	2

Graduation Requirements 72 Credit Hours

Heavy Equipment Operation, Management, and Service: Entrepreneurship/Business Degree – A35340C

Program Sequence

First Semester

HEO 111	Heavy Equipment Operations I	12
HEO 114	Erosion Control and Regulations	2
ISC 121	Environmental Health and Safety.....	3
PSY 118	Interpersonal Psychology	3
Elective List I		2

*Completes Basic Heavy Equipment Operator Certificate (C35340A):
Choose 2 credit hours from Elective List I + HEO 111, ISC 121*

Complete Basic Evening Operator Certificate (C35340EA): HEO 111

Second Semester

HEO 112	Heavy Equipment Operations II	12
HEO 113	Grades and Drawings	3
HET 125	Preventive Maintenance.....	2
ENG 110	Freshman Composition.....	3
MAT 110	Math Measurement and Lit	3

*Completes Advanced Heavy Equipment Operator Certificate
(C35340B): HEO 112, HEO 112, HET 125*

*Completes Advanced Evening Operator Certificate (C35340EB):
HEO 112*

Third Semester

Elective List II		2
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*Completes Heavy Equipment Operation, Management, and Service
Diploma (D35340): Choose 2 credits from Elective List I and 2 credits
from Elective List II + ENG 110, HEO 111, HEO 112, HEO 113, HEO
114, HET 125, ISC 121, PSY 118*

Fourth Semester

BUS 110	Introduction to Business.....	3
BUS 139	Entrepreneurship I.....	3
ISC 222	Project Planning and Control	2
TRN 170	PC Skills for Transportation	2
Elective List III		3

Fifth Semester

BUS 137	Principles of Management.....	3
CEG 235	Project Management/Estimating	3
COM 120	Intro to Personal Communication.....	3
HUM 121	The Nature of America.....	3

Elective List I (Select 2 hours from the following courses):

HEO 150	MSHA-Equip Tech and Operator	2
ISC 115	Construction Safety.....	2

Elective List II (Select 2 hours from the following courses):

CEG 115	Intro to Tech and Sustainability.....	3
HEO 116	Soil Excavation & Groundwork.....	2
TRN 140	Trans Climate Control	2
WBL 111	Work-based Learning I.....	1

WBL 112	Work-based Learning I	2
WBL 121	Work-based Learning II	1

Elective List III (Select 3 hours from the following courses):

CMT 210	Construction Management Fund	3
CMT 212	Total Safety Performance.....	3
EGR 115	Intro to Technology.....	3

Graduation Requirements 72 Credit Hours

Heavy Equipment Operation, Management, and Service Diploma – D35340

Program Sequence

First Semester

HEO 111	Heavy Equipment Operations I	12
HEO 114	Erosion Control and Regulations.....	2
ISC 121	Environmental Health and Safety	3
PSY 118	Interpersonal Psychology	3
Elective List I		2

Second Semester

HEO 112	Heavy Equipment Operations II.....	12
HEO 113	Grades and Drawings.....	3
HET 125	Preventive Maintenance.....	2
ENG 110	Freshman Composition	3

Third Semester

Elective List II.....	2
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Elective List I (Select 2 hours from the following courses):

HEO 150	MSHA-Equip Tech and Operator	2
ISC 115	Construction Safety	2

Elective List II (Select 2 hours from the following courses):

HEO 116	Soil Excavation & Groundwork.....	2
MAT 110	Math Measurement and Lit.....	3
WBL 111	Work-based Learning I	1
WBL 112	Work-based Learning I	2
WBL 121	Work-based Learning II	1

Graduation Requirements 44 Credit Hours

Basic Heavy Equipment Operator Certificate – C35340A

Program Sequence

First Semester

HEO 111	Heavy Equipment Operations I	12
ISC 121	Environmental Health and Safety	3
Elective List I		2

Elective List I (Select 2 hours from the following courses):

HEO 150	MSHA-Equip Tech and Operator	2
ISC 115	Construction Safety	2

Graduation Requirements 17 Credit Hours

Advanced Heavy Equipment Operator Certificate – C35340B

Program Sequence

First Semester

HEO 112	Heavy Equipment Operations II	12
HEO 113	Grades and Drawings	3
HET 125	Preventive Maintenance.....	2

Graduation Requirements 17 Credit Hours

Basic Evening Operator Certificate – C35340EA

Program Sequence

First Semester

HEO 111	Heavy Equipment Operations I	12
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Graduation Requirements 12 Credit Hours

Advanced Evening Operator Certificate – C35340EB

Program Sequence

First Semester

HEO 112	Heavy Equipment Operations II	12
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Graduation Requirements 12 Credit Hours