

# HEAVY EQUIPMENT OPERATIONS

## Associate in Applied Science

Prescribed Technical Program	45
General Education	15-16
Digital Literacy	
<b>TOTAL DEGREE CREDITS</b>	<b>60-61</b>

Course	Title	Credits
<b>Semester I</b>		
<b>PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS</b>		
HEO 104	Work Site Safety and First Aid	1
HEO 101	Introduction to Construction Theory	2
HEO 289	Construction Solutions and Communication	2
HEO 110	Shop Practices	3
HEO 172	Basic Equipment Theory	3
HEO 172L	Basic Equipment Theory Lab	3
HEO 122	Preventative Maintenance	4
	Credits	18
<b>Semester II</b>		
<b>PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS</b>		
HEO 220	Loader and Backhoe Operations	4
HEO 123	Excavation and Trenching Operations	4
HEO 238	Grading and Dozer Operations	4
HEO 208	Soils and Compaction	4
HEO 178	Survey/Blueprints Practicum	3
	Credits	19
<b>Semester III</b>		
<b>PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS</b>		
HEO 102	Operations and Construction Practicum	5
HEO 252	Project Management	3
	Credits	8
	Total Credits	45

### General Education Requirements

<i>Arts &amp; Humanities/Social &amp; Behavioral Sciences</i>	
Select one of the following recommended courses:	3
HIST 103	United States to 1877
ECON 201	Principles of Microeconomics
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
<i>Written or Oral Communications</i>	
ENGL 110	College Composition I
Select one of the following:	3
COMM 110	Fundamentals of Public Speaking
ENGL 120	College Composition II
ENGL 125	Introduction to Professional Writing
<i>Business, Math, Science, &amp; Technology</i>	
Select two of the following recommended courses (Two areas of study):	6-7
CSCI 101	Introduction to Computers <sup>1</sup>
MATH 110	Math in Society

MATH 137	Applied Algebra	
CIS 147	Principles of Information Security <sup>1</sup>	
CIS 164	Networking Fundamentals I	
Total Credits		15-16

**Digital Literacy Requirements**

Select one of the following:

- CSCI 101 Introduction to Computers <sup>1</sup>
- CIS 147 Principles of Information Security <sup>1</sup>
- BSC Approved Training Course
- NDUS Institution Approved Training Course
- NDUS Institution Designated Digital Literacy Course

<sup>1</sup>

CSCI 101, CIS 147 or courses transferred in from another NDUS Institution that are listed as both general education and digital literacy may satisfy both requirements upon successful completion.

College Degree & Digital Literacy Requirements

General Education & Diversity Course Matrix Requirements