

HEAVY EQUIPMENT OPERATIONS

Associate in Applied Science Checklist

- View the General Education Matrix for a complete list of qualifying courses.
- Fulfill the College Degree Requirements in conjunction with this degree plan.
- Consult an Academic Advisor to ensure all academic requirements are met.

Summary

Prescribed Program	45
General Education	15-16
Digital Literacy	
Total Credits	60-61

Degree Plan

Semesters

Course	Title	Credits
Semester I		
Prescribed Program		
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
Semester II		
Prescribed Program		
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
Semester III		
Prescribed Program		
HEO 102	Operations and Construction Practicum	5
HEO 252	Project Management	3
	Credits	8
	Total Credits	45

General Education

Written or Oral Communications

ENGL 110	College Composition I	3
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
ENGL 120	College Composition II	

ENGL 125 Introduction to Professional Writing

Credits Subtotal 6**Arts & Humanities/Social & Behavioral Sciences**

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

Credits Subtotal 3**Business, Math, Science, & Technology**

Select two of the following recommended courses (Two areas of study): 6-7

CSCI 101 Introduction to Computers

MATH 110 Math in Society

MATH 137 Applied Algebra

CIS 147 Principles of Information Security

CIS 164 Networking Fundamentals I

Credits Subtotal 6-7**General Education Total Credits** 15-16**Digital Literacy**

Select one of the following:

ENGL 110 College Composition I

NDUS Institution Approved Training Course

NDUS Institution Designated Digital Literacy Course