ENERGY SERVICES & RENEWABLE TECHNICIAN

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	46
General Education	15-16
Digital Literacy	
Total Credits	**61-62**

Degree Plan
Prescribed Program

ELEC 100	Direct Current Analysis	4
ELEC 100L	Direct Current Analysis Lab	1
ELEC 120	AC Analysis	4
ELEC 120L	AC Analysis Lab	1
ESRE 216	Mechanical Drive Systems	4
ESRE 213	Hydraulic Fundamentals	3
ESRE 218	Distributed Power Systems	4
ENRT 224	Automation and Control	3
ESRE 226	Analog PLCs	3
ENRT 240	Industrial SCADA	3
ESRE 100	Safe Climbing Practices	1
ICTL 215	Instrumentation Drawings and Documents	4
ICTL 215L	Instrument Drawings and Documents Lab	1
ICTL 235	Motors and Controllers	4
ICTL 235L	Motors and Controllers Lab	1
ICTL 245	Controls	4
ICTL 245L	Controls Lab	1
Total Credits		**46**

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 (Two Areas of Study)

Select one of the following recommended courses:		3-4
CSCI 101	Introduction to Computers	
CIS 147	Principles of Information Security	
CIS 164	Networking Fundamentals I	
Select one of the following recommended courses:		3
MATH 137	Applied Algebra	
MATH 210	Elementary Statistics	
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		