



# Powerline Construction & Maintenance Technology

## Recommended Plan of Study 2022-2023

### Associate of Applied Science

WNCC offers certificate, diploma, and Associate of Applied Science (AAS) degree options in Powerline Construction & Maintenance Technology. The AAS pathway requires 66 hours of credit -- 51 credits of core powerline courses (the same credits required for the certificate and diploma) and 15 credits of general education requirements.

Students should consult with their academic advisor about how best to incorporate the general education requirements into their academic pathway.

#### **AAS General Education Core** **15 credits**

Written Communication*	3 credits
<i>ENGL-1000 (Workplace Writing) recommended</i>	
Oral Communication	3 credits
<i>SPCH-1200 (Human Communication) recommended</i>	
Quantitative Reasoning*	3 credits
<i>MATH-1020 (Technical Math) recommended</i>	
Social or Lab Science	3 credits
<i>ECON-1230 (General Economics) recommended</i>	
Personal Development	3 credits

*\*Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.*

#### **Core Program Requirements** **51 credits**

##### **1st Semester (summer)**

AMDT-1000	OSHA 10 for General Industry	1
TRAN-1100	Commercial Driver's License (CDL Class B)	2
UTIL-1100	Introduction to Power Line Basics and Safety	3.5
UTIL-1200	Basic Climbing	2.5

UTIL-1500	Applied Electric Science for Powerline I	2
UTIL-1600	Applied Math for Powerline I	1
	<b>Total Semester Credits</b>	<b>12</b>

### **2nd Semester (fall)**

UTIL-1015	Staking/Mapping I	1
UTIL-1025	Rigging I	1
UTIL-1030	Power Use I	1
UTIL-1040	Street Lighting I	1
UTIL-1150	Safety I	1
UTIL-1415	Overhead Power Line Construction I	3
UTIL-1425	Electrical Equipment Structure & Design I	3
UTIL-1435	Electrical Equipment Structure & Design Lab	3
UTIL-1550	Applied Electric Science for Powerline II	3
UTIL-1650	Applied Math for Powerline II	1
	<b>Total Semester Credits</b>	<b>18</b>

### **3rd Semester (spring)**

UTIL-2010	Staking/Mapping II	1
UTIL-2020	Safety II	1
UTIL-2030	Power Use II	1
UTIL-2040	Street Lighting II	1
UTIL-2350	Transformer Connections	4
UTIL-2415	Overhead Power Line Construction II	3
UTIL-2425	Electrical Equipment Structure & Design II	4
UTIL-2500	Powerline Internship	3
UTIL-2550	Applied Electric Science for Powerline III	3
	<b>Total Semester Credits</b>	<b>21</b>

**TOTAL AAS REQUIREMENT    66 credits**

### **Notes**

- The following are required for acceptance into the Powerline Construction & Maintenance Technology program: a physical exam; health insurance; valid driver's license; and purchase of climbing tools and equipment. For specific information regarding these items, prospective students should contact the Admissions Office.
- The Merchant Training Program requires an average of 70% on all unit tests in order to take the final for that book/semester. Students who do not have a 70% average on these tests will not be allowed to take the Merchant Training Program final for that book/semester.

- In order to progress to the next book/semester in the Merchant Training Program, students must pass the final for the current book/semester and maintain a 2.5 cumulative GPA in UTIL program specific courses. WNCC requires a 2.0 cumulative GPA overall for graduation.
- An internship is required of all students pursuing a degree, diploma, or certificate in Powerline Construction & Maintenance Technology.