



BISMARCK  
STATE COLLEGE

# Bismarck State College NCPDLP Rating Roadmap



## A.A.S. Electric Power Technology Degree Requirements Summary

### Navy Rating: Electrician's Mate (EM)

Students must complete a minimum 15 semester hours in residence with Bismarck State College. Credit transfers restricted to 45 semester hours from non-traditional (credit by exam or military) sources. Minimum 2.0 GPA to graduate.

Course Number/Title	Credits Needed
<b>General Education</b>	
<b>Communications</b>	<b>6</b>
ENGL 110 College Composition I – 3 Credits	
Choose one:	
ENGL 120 College Composition II – 3 Credits	
ENGL 125 Intro to Professional Writing – 3 Credits	
COMM 110 Fundamentals of Public Speaking – 3 Credits	
<b>Arts &amp; Humanities/Social &amp; Behavioral Sciences</b>	<b>3</b>
<b>Business, Math, Science &amp; Technology</b> (Choose two classes from two separate areas of study)	<b>6</b>
<b>Program Specific</b>	
ELPW 101 Basic Computer Skills	3
ELPW 111 Introduction to the Electrical Industry & Power Grid	3
ENRT 103 Applied Math	3
ENRT 106 DC Fundamentals	2
ENRT 108 AC Fundamentals	3
ELPW 105 Electrical System Fundamentals	3
ELPW 109 Electrical Industry Safety	3
ELPW 110 Basic Print Reading	3
ELPW 112 Electrical System Components	2
ENRT 115 Industrial Composition	2
ELPW 118 Industrial Communications	3
ELPW 200 Advanced Print Reading	3
ELPW 202 Advanced Industrial Safety	3
ELPW 204 Advanced Electrical Systems	3
ELPW 206 Electrical System Protection	3
<b>Specialization Area (Choose one area):</b>	
<i>Line Construction</i>	
ELPW 250 Transformers	4
ELPW 230 Underground Line Construction	4
ELPW 210 Overhead Transmission & Distribution Line Construction	4
<i>Substations</i>	
ELPW 251 Substation Construction & Maintenance	4
ELPW 211 Substation Relays	4
ELPW 231 Substation Operations	4
<i>System Design</i>	
ELPW 208 Advanced Math	4
ELPW 212 System Design Basics	3
ELPW 232 System Design Analysis	3
ELPW 252 Civil Design	2
<i>Metering</i>	
ELPW 208 Advanced Math	4
ELPW 213 Fundamentals of Metering	3
ELPW 233 Single-Phase & Polyphase Metering	3
ELPW 253 Advanced Metering Technology	2
<b>Total Credits Needed</b>	<b>68</b>

*Please keep in mind that once a semester begins, you will need to work with your academic advisor to determine an educational plan.*

Navy Credit Awarded							
	<b>E-3</b>	<b>E-4</b>	<b>E-5</b>	<b>E-6</b>	<b>E-7</b>	<b>E-8</b>	<b>E-9</b>
	FN	EM3	EM2	EM1	EMC	EMCS	EMCM
ACE RECOMMENDED CREDIT							
RECRUIT TRAINING	3	3	3	3	3	3	3
RATING CREDIT	5	13	18	23	35	35	38

**Disclaimer for Navy Degree Roadmaps**

Please be aware that this is a sample and a Sailor's actual credit award may vary depending on the ACE recommendation in effect at the time of their training and per department approval.

For more information please go online to [bscmilitaryonline.com/navy/ncpdlp](http://bscmilitaryonline.com/navy/ncpdlp)  
or call 1-800-852-5685.