



# Bismarck State College NCPDLP Rating Roadmap



## A.A.S. Electrical Transmission Systems 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>	
Communications	6
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	
Arts & Humanities/Social & Behavioral Sciences	3
Business, Math, Science & Technology (Choose two classes from two separate areas of study)	6
<b>Program Specific</b>	
ETST 240 Basic Power Industry Concepts	3
ETST 242 Applied Mathematics for System Operators	2
ENRT 106 DC Fundamentals	2
ENRT 108 AC Fundamentals	3
ETST 250 Electrical Generation Theories	4
ETST 254 System Elements I – Substations	3
ETST 256 System Elements II - Transformers	3
ETST 258 System Elements III – Protective Relaying	3
ETST 260 Electrical Diagram Interpretation	2
ETST 262 Power System Operations	3
ETST 266 Interconnected System Operations	3
ETST 268 Power Flow	3
ETST 270 System Operator Work Practices	3
ETST 272 Power System Safety	3
ETST 274 Communication & Control Technology	2
ETST 276 Power System Economics	3
ETST 278 Power System Emergency Concepts	3
ETST 280 Reliability Policies & Procedures	3
<b>Total Credits Needed</b>	<b>66</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							
	E-3	E-4	E-5	E-6	E-7	E-8	E-9
	FN	EM3	EM2	EM1	EMC	EMCS	EMCM
<b>ACE RECOMMENDED CREDIT</b>							
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.