



Bismarck State College NCPDLP Rating Roadmap



A.A.S. Electrical Transmission Systems Technology Degree Requirements Summary

Navy Rating: Aviation Electrician's Mate (AE)

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
General Education	
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
Program Specific	
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
Total Credits Needed	66

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							
	<u>E-3</u>	<u>E-4</u>	<u>E-5</u>	<u>E-6</u>	<u>E-7</u>	<u>E-8</u>	<u>E-9</u>
	AN	AE3	AE2	AE1	AEC	AECS	AVCM
ACE RECOMMENDED CREDIT							
RECRUIT TRAINING	3	3	3	3	3	3	3
RATING CREDIT		12	17	23	31	38	45

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 or call 1-800-852-5685.