



# Bismarck State College NCPDLP Rating Roadmap



## A.A.S. Power Plant 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	E-3 FN	E-4 GSM3	E-5 GSM2	E-6 GSM1	E-7 GSMC	E-8 GSCS	E-9 GSCM
<b>General Education</b>								
Communications	6							
ENGL 110 College Composition 1 (Required)								
ENGL 120 College Composition II								
ENGL 125 Intro to Professional Writing								
COMM 110 Fundamentals of Public Speaking								
Arts & Humanities/Social Science	3							
Business, Math, Science, Technology (Choose 2 classes from 2 separate areas of study)	6			3	3	3	3	
<b>Program Specific</b>								
ENRT 101 Introduction to Energy Technology	4							
ENRT 105 Safety, Health & Environmental Practices	3							
ENRT 107 Mechanical Fundamentals	2							
ENRT 110 Plant Equipment & Systems	4							
ENRT 112 Print Reading	3							
ENRT 103 Applied Math	3							
ENRT 104 Electrical Fundamentals	3			X	X	X	X	X
ENRT 116 Instrumentation & Control	4							
ENRT 118 Heat Transfer, Fluid Flow & Thermodynamics	3							
ENRT 120 Water Purification & Treatment	3							
ENRT 205 Steam Generation	3							
ENRT 215 Operations, Troubleshooting & Communications	3							
PWRP 203 Energy Sources & Conversions	3							
PWRP 207 Boilers & Environmental Protection	3							
PWRP 210 Turbines & Combined Cycle	3							
PWRP 224 Power Generation Components & Protection	3							
ENRT 220 Practical Applications	2							
<b>Total Credits Needed</b>	<b>67</b>							

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

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.**