



Bismarck State College

Degree Roadmap

A.A.S. Electric Power Technology Degree Requirements Summary 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	E-3 FN	E-4 EM3	E-5 EM2	E-6 EM1	E-7 EMC	E-8 EMCS	E-9 EMCM
General Education								
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
Program Specific								
ELPW 101 Basic Computer Skills	3							
ELPW 111 Introduction to Electrical Industry & Power Grid	3							
ENRT 103 Applied Math	3							
ENRT 106 DC Fundamentals	2	X	X	X	X	X	X	X
ENRT 108 AC Fundamentals	3	X	X	X	X	X	X	X
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	2							
ELPW 200 Advanced Print Reading	3							
ELPW 202 Advanced Industrial Safety	3							
ELPW 204 Advanced Electrical Systems	3							
ELPW 206 Electrical System Protection	3							
ELPW 250 Transformers	4							
ELPW 230 Underground Line Construction	4							
ELPW 210 Overhead Transmission	4							
ELPW 251 Substation Construction & Maint.	4							
ELPW 211 Substation Relays	4							
ELPW 231 Substation Operations	4							
ELPW 208 Advanced Math	4							
ELPW 212 System Design Basics	3							
ELPW 232 System Design Analysis	3							
ELPW 252 Civil Design	2							
ELPW 213 Fundamentals of Metering	3							
ELPW 233 Single-Phase & Polyphase	3							
ELPW 253 Advanced Metering Technology	2							
Total Credits Needed	67							

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/ or call 1-800-852-5685.