

**Degree Roadmap: Electrician's Mate (EM)
 Bachelor of Science in Nuclear Engineering Technology
 January 2007 - Present**

School: Excelsior College Degree: Bachelor of Science Major: Nuclear Engineering Technology ABET Accredited Degree Program Rating: EM	E-Mail: military@excelsior.edu Phone: 1-888-647-2388 (press 1352 at the greeting) or (518) 464-8500 (press 1352 at the greeting) Fax: (518) 608-8142	Institution Unique Graduation Requirements: 12 Semester Credits of Excelsior College distance learning courses required Maintain GPA of 2.0 Cumulative
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WHAT IS REQUIRED?		Credits you have earned!							
Degree Requirements		Navy Credit Awarded by Excelsior College							
CURRICULUM DEGREE REQUIREMENTS	CREDIT HOURS REQUIRED								
		E-3	E-4	E-5	E-6	E-7	E-8	E-9	
		ACE RECOMMENDED CREDIT AWARDED							
INL 102 Information Literacy	1								
Communications	3	3	3	6	6	6	6	6	6
ENG 101 English Composition	3								
ENG 102 English Composition II	3								
BUS 323 Business Ethics	3								
Social Science/History	9								
Humanities Electives	3								
Mathematics at the precalculus level (including Calculus I TECH 201 & Calculus II TECH 202)	12	7	7	7	7	7	7	7	7
CHE 101 Chemistry	3	3	3	3	3	3	3	3	3
CHE 101L Chemistry Lab	1								
PHYS 201 Physics I	2	2	2	2	2	2	2	2	2
PHYS 203 Physics II	2								
PHYS 202 or 204 Physics Lab	1								
NUC 240 Atomic and Nuclear Physics	4	4	4	4	4	4	4	4	4
NUC 245 Thermodynamics	3	3	3	3	3	3	3	3	3
Arts and Sciences Electives	8								
NUC 255 AC/DC Electrical Theory	3	3	3	3	3	3	3	3	3
TECH 220 or IT 210 Computer Applications	3								
NUC 320 Materials	3								
NUC 325 Nuclear Materials	3								
Health Physics/Radiation Protection	3	3	3	3	3	3	3	3	3
Radiation Measurement Lab	0	Met	Met	Met	Met	Met	Met	Met	Met
NUC 350 Plant Systems Overview	3	3	3	3	3	3	3	3	3
NUC 330 Reactor Core Fundamentals	3	3	3	3	3	3	3	3	3
Fluids & Heat Transfer	4	4	4	4	4	4	4	4	4
NUC 495 Integrated Technology Assessment	3								
Technology or Natural Science Labs	2								
Nuclear Technology Electives	18	18	18	18	18	18	18	18	18
Applied Professional Electives	15	15	15	15	15	15	15	15	15
TOTAL REQUIRED CREDITS	124	TOTAL CREDITS AWARDED FOR NAVY TRAINING	71	71	74	74	74	74	74