

ECE Dept Graduate Certificates		Specific courses required:	Quarter planned or taken
<input type="checkbox"/> [284]	Guidance, Navigation & Control Systems	<input type="checkbox"/> EC3310	
		<input type="checkbox"/> EC3320	
		Select two out of <input type="checkbox"/> EC4310; <input type="checkbox"/> EC4330; <input type="checkbox"/> EC4350	
<input type="checkbox"/> [286]	High Performance Computer Architecture	<input type="checkbox"/> EC3800	
		<input type="checkbox"/> EC3840	
		<input type="checkbox"/> EC4820 or EC4830	
<input type="checkbox"/> [287]	Digital Communications	<input type="checkbox"/> EC3500	
		<input type="checkbox"/> EC3510	
		<input type="checkbox"/> EC4550	
		<input type="checkbox"/> EC4580	
<input type="checkbox"/> [288]	Cyber Warfare	<input type="checkbox"/> EC3760	
		<input type="checkbox"/> EC4765	
		Select One out of AND satisfy 12 credit hours (check): <input type="checkbox"/> DA3105	
		<input type="checkbox"/> EC3730; <input type="checkbox"/> EC3750	
		<input type="checkbox"/> EC4730; <input type="checkbox"/> EC4755 <input type="checkbox"/> CS4558; <input type="checkbox"/> EC3970	
<input type="checkbox"/> [290]	Signal Processing	<input type="checkbox"/> EC3400	
		<input type="checkbox"/> EC3410	
		<input type="checkbox"/> EC4440	
		Select One out of (check):	
		<input type="checkbox"/> EC3460; <input type="checkbox"/> EC4430	
		<input type="checkbox"/> EC3940; <input type="checkbox"/> EC4450 <input type="checkbox"/> EC4400; <input type="checkbox"/> EC4480 <input type="checkbox"/> EC4910	
<input type="checkbox"/> [291]	Electric Ship Power Systems	<input type="checkbox"/> EC3130	
		<input type="checkbox"/> EC3150	
		<input type="checkbox"/> EC4130	
		<input type="checkbox"/> EC4150	
<input type="checkbox"/> [292]	Electronic Warfare (EW) Engineer	<input type="checkbox"/> EC3600	
		<input type="checkbox"/> EC3615 or EC3630	
		<input type="checkbox"/> EC3700 or EC4685	
<input type="checkbox"/> [293]	Journeyman EW Engineer	<input type="checkbox"/> EC3210	
		<input type="checkbox"/> EC3610	
		<input type="checkbox"/> EC4615 or EC4630 or EC4600	
<input type="checkbox"/> [294]	Senior EW Engineer	<input type="checkbox"/> EC3615 or EC3630	
		<input type="checkbox"/> EC3700 or EC4685	
		<input type="checkbox"/> EC4615 or EC4630	
<input type="checkbox"/> [295]	Network Engineering	<input type="checkbox"/> EC3710 or CS3502	
		<input type="checkbox"/> EC4745	
		Select at least One out of AND satisfy 12 credit hours (check): <input type="checkbox"/> EC4430; <input type="checkbox"/> EC4710 <input type="checkbox"/> EC4725; <input type="checkbox"/> EC4785; <input type="checkbox"/> EC3795	

<input type="checkbox"/> [296]	Cyber Systems	<input type="checkbox"/> EC3730	
		<input type="checkbox"/> EC3740	
		Select at least One out of (check):	
		<input type="checkbox"/> EC4715; <input type="checkbox"/> EC4730 <input type="checkbox"/> EC4755; <input type="checkbox"/> EC4770 <input type="checkbox"/> EC4790; <input type="checkbox"/> EC3795	
<input type="checkbox"/> [297]	Wireless Network Security	<input type="checkbox"/> EC4745	
		<input type="checkbox"/> EC4770	
		Select at least One out of (check):	
		<input type="checkbox"/> EC4730; <input type="checkbox"/> EC4735 <input type="checkbox"/> EC4755; <input type="checkbox"/> EC4795	

Application Process:

For NPS Resident Students only: [Further information](#).

For DL Students only: Individuals must apply to NPS online at www.nps.edu.

Certificate Award Entrance Requirements for NPS Students: students must be already enrolled in one of the degree programs already offered by the ECE Department or be accepted by the ECE Department if not currently enrolled in any of the degree programs currently offered by the ECE Department.

Certificate Award Requirements: The academic certificate program must be completed within 3 years of taking the first certificate course. Minimum CQPR is 3.0.

Double Counting Courses: Courses taken as part of an academic certificate may be applied to a degree at NPS; there is no bar on 'double counting' certificate courses for degree purposes. Courses may not be double counted for multiple certificates. Only NPS courses will be counted towards meeting certificate requirements. Transferred courses are NOT eligible to meet certificate requirements.