

5100-N Curriculum

YR	SUMMER	FALL	IAP	SPRING
1	Review of Mathematics (18.089)	Principles of Naval Architecture (2.701)	<i>Elective</i>	Systems Engineering and Naval Ship Design (2.702)
	Computational Science and Engineering I (18.0851)	Marine Hydrodynamics (2.20)		Plates and Shells (2.081)
	Selection and Processing of Structural Materials (3.371)	Marine Power and Propulsion (2.611)		Ship Structural Analysis and Design (2.082)
	Special Problems in Structural and Environmental Materials (2.690)	Structural Mechanics (2.080)		Design Principles for Ocean Vehicles (2.22)
	Engineering Probability and Statistics (15.086 / 15.087)			<i>Elective</i>
2	Professional Summer	Principles of Naval Ship Design (2.703)	Projects in Naval Ship Conversion Design (2.704)	Introduction to Electric Power Systems (6.061)
		Maneuvering and Control of Surface and Underwater Vehicles (2.154)		Engineering Risk-Benefit Analysis (2.963)
		Advanced Structural Dynamics (2.060)	NO OTHER CLASSES PERMITTED	Acoustics and Sensing (2.066)
		<i>TM Elective</i>		<i>Elective</i>
3	Projects in New Concept Naval Ship Design (2.705)	Projects in New Concept Naval Ship Design (2.705)	Projects in New Concept Naval Ship Design (2.705)	Projects in New Concept Naval Ship Design (2.705)
	Thesis (2.ThG)	Thesis (2.ThG)	Thesis (2.ThG)	Thesis (2.ThG)
	Cybersecurity	<i>TM Elective</i>		<i>Elective</i>