Massachusetts Institute of Technology

5100-P Curriculum

Center for Ocean Engineering
Naval Construction & Engineering Program
Department of Mechanical Engineering

YR	SUMMER	FALL	IAP	SPRING
1	Review of Mathematics (18.089)	Principles of Naval Architecture (2.701)	*Elective*	Systems Engineering and Naval Ship Design (2.702)
	Computational Science and Engineering I (18.0851)	Marine Hydrodynamics (2.20)		Plates and Shells: Static and Dynamic Analysis (2.081)
	Selection and Processing of Structural Materials (3.371)	Marine Power and Propulsion (2.611)		Ship Structural Analysis and Design (2.082) (2nd half)
	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)*			*TM Elective*
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)
		Thesis (2.ThG)	Thesis (2.ThG)	Thesis (2.ThG)
	NO OTHER CLASSES PERMITTED	*Elective*	NO OTHER CLASSES PERMITTED	
		TM Elective		*TM Elective*
	Cybersecurity			