NAME Sample Schedule - Fall 2022

	Total Credit Hours	Term: 1	2	3	4	5	6	7	8
Subjects Required by All Programs (55 hours)									
Mathematics 115, 116, 215, and 216	16	4	4	4	4	-	-	-	-
Engineering 100, Introduction to Engineering	4	4	-	-	-	-	-	-	-
Engineering 101, Introduction to Computers	4	-	4	-	-	-	-	-	-
Chemistry 125/126 and 130 or Chemistry 210 and 211	5	5	-	-	-	-	-	-	-
Physics 140 with Lab 141; Physics 240 with Lab 241[2]	10	-	5	5	-	-	-	-	-
Intellectual Breadth	16	4	4	-	-	-	-	4	4
Related Technical Core Subjects (11 hours)									
ME 211, Solid Mechanics	4	-	-	-	4	-	-	-	-
ME 240, Introduction to Dynamics	4	-	-	-	4	-	-	-	-
ME 235, Thermodynamics	3	-	-	3	-	-	-	-	-
Program Subjects (47 hours)									
NA 270, Vessel/Platform Design	4	-	-	4	-	-	-	-	-
IOE 265, Probability and Statistics	3	-	-	-	3	-	-	-	
NA 310, Marine Structures I	4	-	-	-	-	-	4	-	-
NA 320, Marine Hydrodynamics I	4	-	-	-	-	4	-	-	-
NA 321, Marine Hydrodynamics II	3	-	-	-	-	-	3	-	-
EECS 314, Elec Circuits, Systems and Apps	4	-	-	-	-	4	-	-	-
NA 332, Marine Electrical Engineering	4	-	-	-	-	-	4	-	-
NA 340, Marine Dynamics I	4	-	-	-	-	4	-	-	-
NA 370 Conceptual Vessel/Platform Design	3	-	-	-	-	-	3	-	-
NA 461, Marine Structures Construction	3	-	-	-	-	-	-	-	3
NA 470, Foundations of Ship Design	4	-	-	-	-	-	-	4	-
NA 475, Marine Design Team Project	4	-	-	-	-	-	-	-	4
NA 492, Marine Engineering Laboratory	3	-	-	-	-	-	-	3	-
Electives (~ 15 hours)									
Technical Electives[3]	6-8	-	-	-	-	-	-	3	4
General Electives	8-9	-	-	-	2	4	2		
Total	128	17	17	16	17	16	16	14	15

Candidates for the Bachelor of Science Degree in Engineering in Naval Architecture and Marine Engineering - B.S.E. in N.A.M.E. - must complete the program listed above. This sample schedule is an example of one leading to graduation in eight terms.

Notes:

1. If you have a satisfactory score or grade in Chemistry AP, A-Level, IB Exams or transfer credit from another institution for Chemistry 125/126/130 you will have met the Chemistry Core Requirement for the College of Engineering.

2. If you have a satisfactory score or grade in Physics AP, A-Level, IB Exams or transfer credit from another institution for Physics 140/141 and Physics 240/241 you will have met the Physics Core Requirement for the College of Engineering.

3. Technical Electives - Choose 2 from the following lists. At least one must come from Group 1:

Group 1

NA 410, Marine Structure II (4)

NA 423, Introduction to Numerical Hydrodynamics (4)

NA 431, Marine Engineering II (3)

NA 440, Marine Dynamics II (4)

Group 2

NA 401, Small Craft Design (4)

NA 403, Sailing Craft Design Principles (3)

NA 416, Theory of Plates and Shells (3)

NA 483 Marine Control Systems (3)

NA 525 Drag Reduction Techniques (3)

NA 562, Marine Systems Production Strategy Operations Management (3)

Advanced Mathematics: Math 450, Math 454, or Math 471

Other courses as approved by the department.