

NAME Sample Schedule - Fall 2023

	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	-	-	-	-	-
NA 280, Probability for Marine Engineers	3	-	-	-	3	-	-	-	-
NA 310, Marine Structures I	4	-	-	-	-	-	4	-	-
ME/NA 320, Intro to Fluid Mechanics	3	-	-	-	-	3	-	-	-
NA 321, Marine Hydrodynamics	4	-	-	-	-	-	4	-	-
EECS 314, Elec Circuits, Systems and Apps	4	-	-	-	-	4	-	-	-
NA 332, Marine Power and Energy	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	15	17	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.