NA&ME Sample Schedule

	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	**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**	-	-
NAVARCH 331, Marine Power and Energy I	**4**	-	-	-	-	**4**	-	-	-
NA 332, Marine Power and Energy II	**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	**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 list.

Technical Electives

NA 401, Small Craft Design (4)

NA 403, Sailing Craft Design Principles (3)

NA 410, Marine Structure II (4)

NA 416, Theory of Plates and Shells (3)

NA 423, Introduction to Numerical Hydrodynamics (4)

NA 424, Hydrofoils, Propellers, and Turbines (4)

NA 431, Marine Engineering II (3)

NA 440, Marine Dynamics II (4)

NA 451, Introduction to Offshore Engineering (3)

NA 483 Marine Control Systems (3)

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

NA 570, Advanced Marine Design (4)

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

Other courses as approved by the department.