

### *Four-Year Degree Plan for Major in Marine Chemistry*

Note that this is a sample four-year plan. There are other course sequences that will allow a student to graduate within four years as long as prerequisite courses are taken in the proper sequence. This sample plan does not guarantee course availability, and adjustments to students' plans may be necessary if they are unable to take specific courses during specific semesters. Students who are placed into lower level AWR, MAT or other prerequisite courses will need to adjust their four-year plans accordingly. Similarly, students who bring in Advanced Placement, Dual Enrollment or transfer credit for courses will need to adjust their four-year plans. A minimum of a 2.0 GPA both overall and in the major is required for graduation. In addition to major requirements, all components of the Baccalaureate Experience must be completed in order to graduate. A student must earn a minimum of 125 credit hours to qualify for the Bachelor of Science degree in Marine Chemistry.

#### **First (Freshman) Year - Fall Semester**

BIO 198	General Biology I	4
BIO 198L	General Biology I Laboratory	0
CHE 152	General Chemistry I	3
CHE 153L	General Chemistry I Laboratory	1
AWR 101	Writing and Inquiry	4
BAC 101	First-Year Seminar I	1
	or	
HON 101	Pathways to Honors 1	1
MAT 260	Calculus I	4

**Subtotal: 17**

#### **First (Freshman) Year - Spring Semester**

BIO 199	General Biology II	4
BIO 199L	General Biology II Laboratory	0
CHE 154	General Chemistry II	3
CHE 155L	General Chemistry II Laboratory	1
MAT 261	Calculus II	4
	Social Science (Bacc. Exp.)	4
BAC 102	First-Year Seminar II	1
	or	
HON 102	Pathways to Honors 2	1

**Subtotal: 17**

Social Science: (IG)

#### **Second (Sophomore) Year - Fall Semester**

PHY 200	General Physics I	4
PHY 200L	General Physics I Laboratory	0
CHE 232	Organic Chemistry I	3
CHE 233L	Organic Chemistry I Laboratory	1
CHE 310	Analytical Chemistry	4
CHE 310L	Analytical Chemistry Laboratory	0
AWR 201	Writing and Research	4

**Subtotal: 16**

#### **Second (Sophomore) Year - Spring Semester**

CHE 234	Organic Chemistry II	3
CHE 235L	Organic Chemistry II Laboratory	1
MAR 200	Introduction to Marine Science	3
PHY 201	General Physics II	4
PHY 201L	General Physics II Laboratory	0
	Humanities/Fine Arts (Bacc. Exp.)	4

**Subtotal: 15**

Humanities/Fine Arts: IG, W

#### **Third (Junior) Year - Fall Semester**

MAR 201	Origins & Evolution of the Marine Environment	4
MAR 201L	Origins & Evolution of the Marine Environment Laboratory	0
CHE 315	Chemical Oceanography	3
	Humanities/Fine Arts	4
	General Elective (Bacc. Exp.)	4

**Subtotal: 15**

Humanities/Fine Arts: (A)

#### **Third (Junior) Year - Spring Semester**

CHE 245	Intermediate Inorganic Chemistry	4
CHE 245L	Intermediate Inorganic Chemistry Laboratory	0
MAR 301	Physical Oceanography	4
MAR 310	Biological Oceanography	4
MAR 310L	Biological Oceanography	0
	Social Science (Bacc. Exp.)	4
CHE 451	Introduction to Research	1-4

**Subtotal: 17**

Social Science: (NW)

CHE 451: 1 credit hour

#### **Fourth (Senior) Year - Fall Semester**

CHE 305	Applied Physical Chemistry	3
CHE 451	Introduction to Research	1-4
	Humanities/Fine Arts (Bacc. Exp.)	4
	General Elective	3
	General Elective	3

**Subtotal: 14**

CHE 451: 1 credit hour

#### **Fourth (Senior) Year - Spring Semester**

CHE 430	Advanced Instrumental Chemistry	4
CHE 430L	Advanced Instrumental Chemistry Laboratory	0
CHE 451	Introduction to Research	1-4
	General Elective	4
	General Elective	4
	Social Science (Bacc. Exp.)	4

**Subtotal: 14**

CHE 451: 2 credit hours

CHE 410 can be substituted for all semesters of CHE 451