

### Biology Sample of a Program of Study - Marine Science Track

		Fall Semester			Spring Semester		
		Course	Course Title	Hrs.	Course	Course Title	Hrs.
<b>Freshman</b>		MA 106	Precalculus Trigonometry	3	MA 125	Calculus I	4
		CH 115, 115R	General Chemistry I with Recitation	3, 0	EH 102	English Composition II	3
		CH 116	General Chemistry I Lab	1	BY 123, 123L	Biology I with Lab	4, 0
		EH 101	English Composition	3	CH 117, 117R	General Chemistry II with Recitation	3, 0
			NSM Freshman Year Experience	1	CH 118	General Chemistry II Lab	1
			Core II or IV	3			
			<b>Total Credits:</b>	<b>14</b>		<b>Total Credits:</b>	<b>15</b>
<b>Sophomore</b>		CH 235, 235R	Organic Chemistry with Recitation	3,0	CH 237, 237R	Organic Chemistry II with Recitation	3, 0
		CH 236	Organic Chemistry Lab	1	CH 238	Organic Chemistry II Lab	1
		BY 124, 124L	Biology II with Lab	4, 0	BY 210	Genetics	3
			Core II or IV	3		Core II or IV	3
			School Wide (CS 101)	3		Core II or IV	3
					SUMMER	Dauphin Island Sea Lab 6-12 credits MESC	
			<b>Total Credits:</b>	<b>14</b>		<b>Total Credits:</b>	<b>13 + 6</b>
<b>Junior</b>		BY 330	Cell Biology	3	BY	Organismal area if not covered fall or MESC	4
		PH 201,R,L	Physics I with Recitation and Lab	4	PH 202, R, L	Physics II with Recitation and Lab	4
		BY	BY Elective (BY 255)	3		Core II or IV	3
			Core II or IV	3		Core II or IV	3
			Core II or IV	3	SUMMER	Dauphin Island Sea Lab 6-12 credits MESC	
			<b>Total Credits:</b>	<b>16</b>		<b>Total Credits:</b>	<b>14+6</b>
<b>Senior</b>		BY	Physiology	3-4			
		BY	BY Elective (see note below)	3			
		BY	Ecology area if not covered with MESC	3			
			Core II or IV	3			
			School Wide	3			
			<b>Total Credits:</b>	<b>15-16</b>		<b>Total Credits:</b>	

1. Assumes student is placed in MA 106
2. Assumes student has had one year of High School Chemistry, grade C or better.
3. Assumes student will successfully pass Physics Placement Test in lieu of PH 100
4. Assumes no AP, Dual Enrollment, IB or CLEP credit
5. Must complete at least one Literature Core II and two History Core IV or two Literature Core II and one History Core IV
6. BY 101, 102, 107, 111, 112, 116, 216, 261, 307 **do not count** toward Biology Elective (Required 7 semester hours of BY electives)
7. Must earn BY GPA of at least 2.0
8. See BY Advisor once each term.
9. Some BY courses rotate every other year or once a year, see advisor
10. 18 hours MESC courses (taken summers at sea lab) contribute to 40 hours in biology.