

Sample 4-year Guided Pathway for  
**Bachelor of Science in Oceanography**  
 Concentration in **Biology**  
 Last revised 2018-2019

This is **ONLY a sample** degree pathway. Please meet with your academic advisor prior to registration to formulate your own plan, and for additional information refer to the [academic catalog](#).

*\*If you were placed into foundational Writing and/or Mathematics courses based on your placement and/or test scores, please consult with your academic advisor to develop a degree plan.*

Year	Fall Semester	Spring Semester
1st	<b>BIOL 2050: General Biology</b> 4	<b>BIOL 2052: General Biology</b> 4
	<b>BIOL 2051: General Biology Lab</b> 1	<b>BIOL 2053: General Biology Lab</b> 1
	CHEM 2050: Gen. Chemistry (GE NW) 3	CHEM 2052: General Chemistry 3
	CHEM 2051: General Chemistry Lab 1	CHEM 2053: General Chemistry Lab 1
	<b>GE Course (WC&amp;IL)</b> 3	<b>MARS 1020: Oc. Field Techniques</b> 3
	<b>GE Course (SW, e.g. MARS 1500)</b> 3	<b>GE Course (WC&amp;IL)</b> 3
	<b>Total Credits</b> 15	<b>Total Credits</b> 15

Year	Fall Semester	Spring Semester
2nd	<b>MARS 3000: General Oceanography</b> 3	<b>MARS 3000: General Oceanography</b> 3
	<b>MARS 3001: Gen. Oc. Lab</b> 1	<b>MARS 3001: Gen. Oc. Lab</b> 1
	MATH 2214: Calculus I (GE QA&SR) 3	MATH 2215: Calculus II 3
	CHEM 3010: Fundamental Org. Chem. 3	<b>MATH 1123: Statistics (GE QA&amp;SR)</b> 3
	GE Course (H&P) 3	GE Course 3
	GE Course 3	GE Course 3
	<b>Total Credits</b> 16	<b>Total Credits</b> 16

Year	Fall Semester	Spring Semester
	<b>PHYS 2030 College Physics</b> 3	<b>PHYS 2032 College Physics</b> 3
	(or <b>2050: General Physics</b> ) (4)	(or <b>2052: General Physics</b> ) (4)
	<b>PHYS 2031 College Physics I Lab</b> 1	<b>PHYS 2033: College Physics I Lab</b> 1
	(or <b>2051: General Physics I Lab</b> )	(or <b>2053: General Physics I Lab</b> )
	MARS 40X0: (Chem, Phys, or Geol) 3	<b>BIOL 3080: Ecology</b> 3
	Concentration Elective 3	<b>BIOL 3081: Ecology Lab</b> 1
	Unrestricted Elective 3	Unrestricted Elective 3
	GE Course 3	GE Course: 3
<b>Total Credits</b> 16	<b>Total Credits</b> 14	
	(17)	(15)

Year	Fall Semester	Spring Semester
4th	MARS 4920: Res. Exp. in Oc. 3	MARS 40X0: (Chem, Phys, or Geol) 3
	MARS 4921: Res. Sem. in Oc. 1	MARS 4090: Bio. Oc. (or MARS 4050) 3
	Concentration Elective 3	Unrestricted Elective 3
	GE Course 3	Concentration Elective 3
	Unrestricted Elective 3	Concentration Elective 1
	Unrestricted Elective 1	Unrestricted Elective 1
	<b>Total Credits</b> 14	<b>Total Credits</b> 14

**BOLD indicates courses that should be completed no later than this year in the program**

*\*\*This schedule is only a suggestion; make sure you understand the necessary prerequisites for each course and consult with your Academic Advisor. Course availability subject to change; actual degree audits may change depending on course availability in a given semester.*

**\*CSCI 2911/2916 requires proficiency in CSCI 1611 or 1911. To discuss placement testing, please contact Dr. Stewart Crawford at [scrawford@hpu.edu](mailto:scrawford@hpu.edu).**

**Baccalaureate Requirements**

- Total Degree Credits Required = 120 credits of which a minimum of 36 are Upper-Division Credits (level 3000 and above)
- Completion of Major Requirements (*as indicated above*)
- Completion of General Education Requirements (*as indicated above*)
- Cumulative GPA of at least 2.0; Major GPA of at least 2.0
- Residency Requirements: 12 credits of major coursework and 24 of the last 30 credits immediately preceding graduation (*Service member's Opportunity College students please see your academic advisor*)