

Degree Pathway – Associate of Arts to NCF Marine Biology

The following is a recommended sequence of courses for completing the AA degree for a **Marine Biology Area of Concentration** at **New College of Florida**. Developmental courses and prerequisite course requirements, credit loads, and/or course availability may affect a student's individual progress. The program sequences are specifically presented herein for full-time students, beginning their coursework in a fall semester. Students should always consult their online degree planner and/or advisor(s) for the catalog year they entered their college and contact their academic advisor to better understand typical course availability and individual program planning.

Semester One

Course	Credits
ENC 1101 – Written Communication	3
MAC 1105 – College Algebra	3
CHM 1025c – Introduction to Chemistry	5
Area III - Social Science (recommended: PSY 2012 – General Psychology)	3
	14 credit hours

Semester Two

Course	Credits
ENC 1102 – Written Communication II	3
MAC 1140 – Pre-Calculus	3
CHM 2045c – General Chemistry	5
BSC 2010 – Fundamentals of Biology	5
	16 credit hours

Semester Three (Summer)

Course	Credits
MAC 1114 – Trigonometry	3
Area IV – Humanities (** or + recommended)	3
	6 credit hours

Semester Four

Course	Credits
MAC 2311 – Calculus w/ Analytic Geometry	4
CHM 2046c – General Chemistry II	5
BSC 2011 – Fundamentals of Biology II	5
	14 credit hours

Semester Five

Course	Credits
SPC 1608 – Fundamentals of Speech Communication	3
POS 1041 American Government, or AMH 1020 – American History II	3
PHY 2053 – General Physics	5
MAC 2312 – Calculus w/ Analytic Geometry II	4
	15 credit hours

World language proficiency will need to be met in order to complete a Bachelor of Arts degree, if student has not met 2 years of the same world language in high school, or its equivalent.

Electives: 3 credits (**) from social sciences, humanities, AA electives. Gordon Rule of writing.

International-Intercultural Courses: 3 credits (+) required and may be acquired in social sciences or humanities.

Category A coursework: 3 credit hours of Area III, IV, and IV must be from Category A courses.

Additional entrance requirements, such as GPA minimums, test scores, and diagnostic examinations may apply.

A Sample 2-Year, Transfer Pathway for Marine Biology

Note: this pathway assumes that students have completed General Biology 1 and 2, General Chemistry 1 and 2 with labs, Physics 1 and 2 with labs, and Calculus 1 and 2

	Fall Term	January / ISP	Spring Term
Year 3	Upper-level Biology course 1 (cell/molecular)	Biology/Marine Biology ISP	Upper-level Biology course 2 (organismal) /marine elective 2
	Upper-level Biology lab 1 (cell/molecular)		Upper-level Biology lab 2 (organismal) /marine elective 2
	Statistics		Upper-level Biology course 3 (ecology/evolution)
	Introduction to Oceanography/Introduction to Coastal Marine Systems		Upper-level Biology lab 3 (ecology/evolution)
Year 4	Organic Chemistry 1 (recommended)	Marine Biology ISP	Organic Chemistry 2 (recommended)
	Organic Chemistry Lab 1 (recommended)		Organic Chemistry Lab 2 (recommended)
	Thesis research		Thesis writing
	Marine Elective 3		

Instructions: Sample 2-Year Pathway

The 2-year pathway is used to show how a student with an Associate's degree could complete the AOC requirements in 2 years.

Students who transfer with an Associate's degree do not have to complete the LAC requirements.

In each cell...

Indicate which AOC courses a student could take in each term to complete the requirements for graduation.