

ARTICULATION AGREEMENT

SUNY MARITIME COLLEGE
Fort Schuyler, Throggs Neck, New York



BACHELOR OF SCIENCE DEGREE
MARINE ENVIRONMENTAL SCIENCE
with MARINE BIOLOGY MINOR

and

JAMESTOWN COMMUNITY COLLEGE
Jamestown, New York



ASSOCIATE IN SCIENCE DEGREE
ENVIRONMENTAL SCIENCE

2017

Articulation Agreement:

Students who complete the degree of Associate of Science (A.S.) with a major in Environmental Science from Jamestown Community College (JCC) and complete a minimum of 15 of the 19 JCC courses listed below are guaranteed admission to the Bachelor of Science (B.S.) program in Marine Environmental Science with Marine Biology minor (Intern Option) at SUNY Maritime College and will receive the following credit towards the SUNY Maritime College degree:

<u>JCC Course (credits below total 59-60)</u>	<u>Maritime Course</u>	<u>Credits</u>
	First Semester	
BIO 1570: Principles of Biology I	BIO 201	4
BIO 1550: Intro to Environmental Science	ES 101	3
MAT 1630: Calculus for Bus & SocSci I or 1710 or Calc/Analytic Geometry I	MATH 111	4
any 3-credit A.S. Environmental Science Core Elective	Free Elective	3
	(exempt from LEAD 101 – 1 credit)	
	Semester Credits: 14	
	Second Semester	
BIO 1580: Principles of Biology II	BIO 202	4
ENG 1530: English Composition II*	ENGL 102	3
GLG 1810: Introduction to Oceanography	OCEA 101/102	4
HIS 1530: US History Before 1864 or or 1540 US History Since 1865	HIST 101 or 102	3
MAT 1640: Calculus for Bus & SocSci II or 1720 or Calc/Analytic Geometry II	MATH 112	3
	Semester Credits: 17	
	Third Semester	
BIO 2550: Conservation Biology	MarEnvSci Elective	3**
CHE 1550: College Chemistry I	CHEM 121/122	4
ECO 1530: Economics course or 2610 or 2620	(replaces HIST 101 or 102)	3
ENG 1540: Writing About Literature*	(replaces HUMN 201 or 202)	3
Any 3-credit Environmental Science Core Elective	Free Elective	3
	Semester Credits: 16	
	Fourth Semester	
BIO 2570: Environmental Issues and Ethics or 2600 or Planet Earth: Critical Topics	Free Elective	3**
CHE 1560: College Chemistry II	CHEM 123/124	4
HIS 1510: World History Before 1500 or 1520 or World History Since 1500	(replaces HUMN 201 or 202)	3
MAT 1540 Statistics	MATH 251	3
	Semester Credits: 13	
	TOTAL CREDITS: 60	

*Students who take ENG 1530 and ENG 1540, but not ENG 1510 English Composition I, at JCC will be required to take an additional English elective. This course is counted below as being taken at Maritime, but it can instead be taken at JCC.

**exchanged from Maritime upper division, with METE 201, CS 101, PE 100 to be taken at Maritime. Minimum requirements for admission to the B.S. program in Marine Environmental Science with Marine Biology minor (Intern Option) at SUNY Maritime College will include earning the A.S. degree with a Cumulative Grade Point Average of at least 2.5 at JCC.

If a student completes all math and science courses listed above, the remainder of the B.S. degree program can be completed in four semesters at SUNY Maritime College, plus two junior year summer internships. Courses required for the B.S. degree are listed below with suggested semester. Corresponding JCC courses are indicated in parentheses; students who take those courses will earn additional transfer credit, but may owe some courses from the previous page. For this degree, SUNY Maritime College will accept up to the equivalent of 80 SUNY Maritime College credits in transfer from JCC, leaving as few as 42 credits to be taken at SUNY Maritime College.

	<u>Credits</u>
Junior Fall	
BIO 210: Ecology	3
BIO 315: Marine Biology	3
CHEM 220: Environmental Chemistry	3
CS 101: Computer Laboratory (CSC 1300 or 1510 or 1560)	1
PHYS 211/213: General Physics I/Lab (PHY 1610 or 1710)	3.5
Semester Credits:	13.5
Junior Spring	
BIO 415: Ichthyology	3
CHEM 221/222: Organic Chemistry I + Lab (CHE 2530)	4
METE 201: Meteorology for Mariners (MET 1510)	3
PE 100: Swimming and Lifetime Fitness (any PHE course)	1
PHYS 214/216: General Physics II/Lab (PHY 1620 or 2710)	4.5
Semester Credits:	15.5
Junior Summer ES 505/515: Summer Internships (BIO 2013/2023)	6
Senior Fall	
BIO 320: Invertebrate Zoology (BIO 2660)	4
ES 451: Field Methods in Environmental Science	4
GBLW 435: Environmental Law and Policy	3
GEOL 301: General Geology (GLG 1510 or 1550)	3
Semester Credits:	14
Senior Spring	
BIO 416: Fisheries Science	3
ES 420: Environmental Pollution	3
OCEA 402: Estuaries and Coastal Processes	3
MES Elective (any BIO, CHE, GLG)	3
English Elective	3
Semester Credits:	15

TOTAL CREDITS AT MARITIME: 64