

MRSC A020N: AQUARIUM AND AQUACULTURE EXPERIENCE

Item	Value
Curriculum Committee Approval Date	03/12/2025
Top Code	192000 - Ocean Technology
Units	0 Total Units
Hours	27-108 Total Hours (Lab Hours 27-108)
Total Outside of Class Hours	0
Course Credit Status	Noncredit (N)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	Yes; Repeat Limit 99
Open Entry/Open Exit	Yes
Grading Policy	P/NP/SP Non-Credit (D)

Course Description

Continued skill development through experiential work in a small public aquarium, aquaponics greenhouses and/or aquaculture facility, under the supervision of the instructor, staff, and/or designated student managers. Not Transferable.

Course Level Student Learning Outcome(s)

1. Students will demonstrate job skill growth such as proper feeding and system maintenance through hours working in the aquarium, aquaponic greenhouses, and/or aquaculture facility.

Course Objectives

- 1. Hands-on experience working in aquarium or aquaculture industry.

Lecture Content

Included topics: Best practices and procedures working with life support, water quality, and animal husbandry related to aquarium, aquaponics systems, and recirculating aquaculture systems.

Lab Content

Included topics: Best practices and procedures working with life support, water quality, and animal husbandry related to aquarium, aquaponics systems, and recirculating aquaculture systems.

Method(s) of Instruction

- Work Experience (20)
- Regular NC Lab (NC4)

Instructional Techniques

Students will gain instruction through occasional meetings with instructor, manuals, and training videos developed through the OCC Marine Science Department.

Reading Assignments

NA

Writing Assignments

NA

Out-of-class Assignments

NA

Demonstration of Critical Thinking

Recognition and addressing of potential problems that arise in OCC's aquatic systems.

Required Writing, Problem Solving, Skills Demonstration

Actively document water quality test, husbandry care, and life support maintenance.

Eligible Disciplines

Biological sciences: Master's degree in any biological science OR bachelor's degree in any biological science AND master's degree in biochemistry, biophysics, or marine science OR the equivalent. Master's degree required.