

Master of Science (MS)
Biological Sciences Program Option
Water Sciences Concentration: 0642
2025-2026

The Master of Science: Biological Sciences - Water Sciences Concentration is delivered in a fully on-ground format. This 30-hour program has an estimated residential tuition and fees cost of \$10,000 (www.ecok.edu/bursar).

This concentration is designed to strengthen the scientific portfolio and provide specialized preparation for those individuals seeking careers in the health industry, water science, ecology, or the natural sciences. The curriculum will strengthen student understanding of biology and increase competitiveness in their career of choice.

Legend placed after course rotations

I. <u>Required Courses (6 Hours)</u>				<u>FA</u>	<u>SP</u>	<u>SU</u>
_____	BIOL	5013	Experimental Design/Data Analysis	L	--	--
_____	BIOL	5223	Grant/Science Writing & Communication	--	L	--
II. <u>Required Track Courses (9-12 Hours)</u>				FA	SP	SU
<u>Thesis Track (12 Hours)</u>						
_____	BIOL	5691-3	Thesis (6hrs)	T	T	T
_____	BIOL	5713	Teaching the Sciences	L	L	--
_____	BIOL	5773	Graduate Examination: Oral	T	T	T
OR						
<u>Non-Thesis Track (9 Hours)</u>						
_____	BIOL	5803	Report	T	T	T
_____	BIOL	5813	Field Work in the Sciences	L	L	--
_____	BIOL	5873	Graduate Examination: Written	T	T	T
III. <u>Elective Courses (12-15 Hours: Four to Five of the Following)</u>				<u>FA</u>	<u>SP</u>	<u>SU</u>
_____	BIOL	5133	Special Topics in Evolution	E	--	--
_____	BIOL	5144	Freshwater Invertebrate Zoology	E	--	--
_____	BIOL	5254	Special Topics in Entomology	--	E	--
_____	BIOL	5313	Advanced Cell & Molecular Biology	L	--	--
_____	BIOL	5414	Advanced Topics in Ecology	--	L	--
_____	BIOL	5525	Advanced Plant Ecophysiology	O	--	--
_____	BIOL	5535	Advanced Plant Ecology	--	O	--
_____	BIOL	5935	Advanced Limnology	--	E	--
_____	EHS	5223	Watershed Management	--	--	T
_____	EHS	5563	Water Quality & Treatment	E	--	--
_____	EHS	5623	Advanced Biostatistics	L	--	--
_____	EHS	5654	Environmental Health Lab	--	--	T
_____	EHS	5683	Environmental Toxicology	O	--	--
_____	GIS	5613	Digital Mapping	E	--	--
_____	GIS	5753	Spatial Programming	--	E	--
_____	GIS	5913	Spatial Analysis	O	--	--
_____	GIS	5913	GIS Workflows	--	O	--

Legend

FA: Fall	SP: Spring	SU: Summer	--: Not Offered
A: 1 st 8-Weeks (WEB)	B: 2 nd 8-Weeks (WEB)	F: Full Sem (WEB)	BL: Blended
L: Live (Face-to-Face)	T: To Be Determined	Y: Synchronous Web	E: Offered Even Years
O: Offered Odd Years	V: Various Formats (Half-Day, Full-Day, Weekends, Nights, etc.)		

Course Offerings are subject to change, and are not necessarily in sequential order

IV. Enrollment, Overload, and Full-Time Equivalents

Fall/Spring

- Full-time is nine (9) hours per 16-week semester
- Financial aid requires five (5) hours per 16-week semester
- Graduate Dean approval is required for thirteen (13) hours per 16-week semester

Summer

- Full-time is six (6) hours per 8-week semester
- Financial aid requires five (5) hours per 8-week semester
- Graduate Dean approval is required for eleven (11) hours per 8-week semester

V. Graduation and Commencement

Students should apply for graduation just after they have enrolled for their last semester. This triggers a Degree Audit, which will inform the student of any course changes, course additions, or course substitutions required for graduation.

- Fall Graduates will **ONLY** be allowed to walk at December Commencement
- Spring and Summer Graduates will **ONLY** be allowed to walk at May Commencement

VI. Financial Aid Regulations for Graduate Students

Students, please be advised that the courses you choose to enroll in **MUST** be a required course or an elective course in your degree program. Financial Aid regulations dictate that any graduate student who is seeking financial aid must be enrolled in **AT LEAST** five (5) credit hours during the fall, spring, or summer semester and the courses **MUST** be in the degree program.

- Certificate Programs **DO NOT** qualify for financial aid.
- For questions contact the Office of Financial Aid: 580-559-5638 or financialaid@ecok.edu