

Accelerated Master's Degree Plan of Study

Freshwater Sciences, BS: Aquatic Science track and
 Freshwater Sciences and Technology, MS: Professional Science track

Year 1		
Semester 1 - Fall		Credits
FRSHWTR 120	Preparing for a Career in Freshwater Sciences	1
CHEM 102	General Chemistry	5
MATH 115	Precalculus	4
Social Science & Cultural Diversity GER		3
Humanities GER		3
Credits		16
Semester 2 - Spring		
FRSHWTR 101	Elements of Water	3
BIO SCI 150	Foundations of Biological Sciences I (NS+)	4
CHEM 104	General Chemistry and Qualitative Analysis	5
MATH 231	Calculus and Analytic Geometry I	4
Credits		16
Year 2		
Semester 3 - Fall		
FRSHWTR 202	Life in Water	4

BIO SCI 152	Foundations of Biological Sciences II (NS+)	4
Humanities GER		3
1st semester World Language		4
	Credits	15
Semester 4 - Spring		
FRSHWTR 201	The Water Environment	3
ENGLISH 102	College Writing and Research (OWC-A)	3
MTHSTAT 215	Elementary Statistical Analysis (QLB)	3
PHYSICS 120	General Physics I (Non-Calculus Treatment)	4
2nd semester World Language		4
	Credits	17
Year 3		
Semester 5 - Fall		
ECON 103	Principles of Microeconomics (SS)	3
COMPSCI 202	Introductory Programming Using Python	3
FRSHWTR 361	Intro to Environmental Data Systems	3
GEOG 215	Introduction to Geographic Information Science	3
GER OWC-B		3
	Credits	15
Semester 6 - Spring		
FRSHWTR 392	Water-Energy-Food-Climate	3
FRSHWTR 391	Water and Natural Resource Economics	3

FRSHWTR 464	Chemical Hydrogeology	4
FRSHWTR 662	Thesis Research Planning & Proposal Development	1
Arts GER		3
	Credits	14
Year 4		
Semester 7 – Fall – LAST TERM as UNDERGRAD		
FRSHWTR 663	Undergraduate Research & Thesis	3
FRSHWTR 810	Professional Development for Water Leaders ¹	3
FRSHWTR 502G	Aquatic Ecosystem Dynamics ¹	3
Aquatic Science BS elective		3
	Credits	12
Semester 8 – Spring – BEGIN GRAD CAREER		
FRSHWTR 890	Science Communication ²	3
FRSHWTR 504G	Quantitative Freshwater Analysis ²	3
MS Elective ²		3
	Credits	9
Year 5		
Semester 9 - Fall		
FRSHWTR 513G	Field Experimentation & Analysis in Freshwater Science ²	3
FRSHWTR 980	Graduate Internship	1
MS Elective ²		3
	Credits	7

Semester 10 - Spring		
MS Elective		3
FRSHWTR 506G	Environmental Health of Freshwater Ecosystems	3
FRSHWTR 900	Colloquium in Freshwater Sciences	1
FRSHWTR 514G	Analytical Techniques in Freshwater Sciences	3
	Credits	10
	Total Credits	

1 Count forward to graduate career

2 Count backward to undergraduate career