

Revised Curriculum: Professional Science Masters Concentration in Water Resource Management

Fall Semester Year I			Spring Semester Year I		
Course Number	Course Requirements	Credit Hours	Course Number	Course Requirements	Credit Hours
WTRM-500	Water Quality Assessment, Monitoring & Treatment	3	WTRM 505	GIS for Water Resource Management	3
WTRM 501	Surface & Ground Water Hydrology	3	WTRM 601	Water Quality Modeling	3
WTRM 502	Public Communication for STEM Professionals	3	WTRM 506	Quantitative and Qualitative Research Methods	3
ENGL 515 10624	Writing Proficiency Course— graduation requirement	3	WTRM 504	Ethics, Responsible Conduct of Research & Prof Responsibility	1
Total		12	Total		10
Year II			Year II		
Course Number	Course Requirements	Credit Hours	Course Number	Course Requirements	Credit Hours
WTRM 600	Stream Restoration	3	WTRM 699	Capstone Seminar	1
Elective	Elective	3	WTRM 690	Internship	3
ENSC 595	Sustainability Entrepreneurship Business Incubator	3	WTRM 595 -01	Professional Project Management	3
Total		9	Total		7

Recommended Electives (at least 3-Credit hour is required):

Course Number	Course Requirements	Credit Hours
ENSC 507	Food Hubs in Urban Sustainability	3
ENSC 511	Advanced Sustainable Urban Agriculture	3
ENSC 595 -02	Special Topic (Independent study)	2

Revised Curriculum: Professional Science Masters Concentration Urban Agriculture

Fall Semester Year I			Spring Semester Year II		
Course Number	Course Requirements	Credit Hours	Course Number	Course Requirements	Credit Hours
WTRM-500	Water Quality Assessment, Monitoring & Treatment	3	ENSC 595 -02	Special Topic (Independent study)	2
ENSC 512	Food Production and Agro-Ecology	3	ENSC 511	Advanced Sustainable Urban Agriculture	3
WTRM 502	Public Communication for STEM Professionals	3	WTRM 506	Quantitative and Qualitative Research Methods	3
ENGL 515	Writing Proficiency Course— graduation requirement	3	WTRM 504	Ethics, Responsible Conduct of Research & Prof Responsibility	1
Total		12	Total		9
Fall Semester Year II			Spring Semester Year II		
Course Number	Course Requirements	Credit Hours	Course Number	Course Requirements	Credit Hours
ENSC 509	Advance Climate Science	3	WTRM 699	Capstone Seminar	1
ENSC 595	Sustainability Entrepreneurship Business Incubator	3	WTRM 690	Internship	3
Electives	Electives	3	ENSC 595 -30	Professional Project Management	3
			ENSC 510	Urban Land Use Planning	3
Total		9	Total		10

***Recommended Courses for Electives**

Course Number	Course Requirements	Credit Hours
ENSC 507	Food Hubs in Urban Sustainability	3
ENSC 508	Ecological Economics	3

****Recommended courses for the Independent Study:**

Course Number	Course Requirements	Credit Hours
Land grant certificate courses	CAUSES Land Grant Certificate Courses	1

Revised Curriculum: Professional Science Masters Concentration in Urban Sustainability

Fall Semester Year I			Spring Semester Year I		
Course Number	Course Requirements	Credit Hours	Course Number	Course Requirements	Credit Hours
ENSC 507	Food Hubs in Urban Sustainability	3	Elective	Elective	3
ENSC 508	Ecological Economics	3	ENGL 515	Writing Proficiency Course—graduation requirement (based on GRE score)	3
WTRM 502	Public Communication for STEM Professionals	3	WTRM 506	Quantitative and Qualitative Research Methods	3
			ENSC 595- 02	Special Topic (Independent study)	2
			WTRM 504	Ethics, Responsible Conduct of Research & Prof Responsibility	1
Total		9	Total		12
Fall Semester Year II			Spring Semester Year II		
Course Number	Course Requirements	Credit Hours	Course Number	Course Requirements	Credit Hours
ENSC 509	Advanced Climate Sciences	3	WTRM 699	Capstone Seminar	1
ENSC 595	Sustainability Entrepreneurship Business Incubator	3	WTRM 690	Internship	3
ARCP 505	Sustainable Design I	3	ENSC 595 -30	Professional Project Management	3
			ENSC 510	Urban Land Use Planning	3
Total		9	Total		9

***Recommended Courses for Electives**

Course Number	Course Requirements	Credit Hours
ENSC 511	Advanced Sustainable Urban Agriculture	3

****Recommended courses for the Independent Study:**

Course Number	Course Requirements	Credit Hours
Land grant certificate courses	CAUSES Land Grant Certificate Courses	1

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