UNIVERSITY OF THE DISTRICT OF COLUMBIA
COLLEGE OF AGRICULTURE, URBAN SUSTAINABILITY AND ENVIRONMENTAL SCIENCES

PSM PROFESSIONAL SCIENCE MASTER'S

Professional Science Master's 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 12201 (M)	Water Quality Assessment, Monitoring & Treatment	3	WTRM 505	GIS for Water Resource Management	3
WTRM 501 12202 (R)	Surface & Ground Water Hydrology	3	WTRM 601	Water Quality Modeling	3
ULAE 620 15919 (T&F)	R Studio	3	WTRM 506	Quantitative and Qualitative Research Methods (Statistics + R studio)	3
ENGL 515 10624	Writing Proficiency Course—graduation requirement (GRE Score Dependent)	3	WTRM 504	Ethics, Responsible Conduct of Research & Prof Responsibility	1
Subtotal		**12**	**Subtotal**		**10**
Year II			**Year II**		
Course Number	**Course Requirements**	**Credit Hours**	**Course Number**	**Course Requirements**	**Credit Hours**
WTRM 600 16288 (W&R)	Stream Restoration	3	WTRM 699	Capstone Seminar	1
BGMT 510 15350 (M)	Sustainability Entrepreneurship	3	WTRM 690	Internship	3
WTRM 502 (F)	Public Communication for STEM Professionals	3	WTRM 595 -01	The Systems Approach and Project Management	3
Subtotal		**9**	**Subtotal**		**7**

Electives

Fall Semester - Recommended Courses (3 credit hrs. required)

Course Number	Course Requirements	Credit Hours
ARCP 505	Sustainable Design I	3

Spring Semester - Recommended Courses (3 credit hrs. required)

Course Number	Course Requirements	Credit Hours
ENSC 508	Ecological Economics	3

Revised August 7, 2020

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Professional Science Master's in Urban Agriculture

Fall Semester Year I			Spring Semester Year I		
Course Number	**Course Requirements**	**Credit Hours**	**Course Number**	**Course Requirements**	**Credit Hours**
WTRM 500 12201 (M)	Water Quality Assessment, Monitoring & Treatment	3	ENSC 595 -02	Special Topic (Independent study)	2
ENSC 512 14913 (R)	Food Production and Agro-Ecology	3	ENSC 511	Advanced Sustainable Urban Agriculture	3
ULAE 620 15919 (T&F)	R Studio	3	WTRM 506	Quantitative and Qualitative Research Methods (Statistics + R)	3
			WTRM 504	Ethics, Responsible Conduct of Research & Prof Responsibility	1
Subtotal		9	Subtotal		9
Fall Semester Year II			**Spring Semester Year II**		
Course Number	**Course Requirements**	**Credit Hours**	**Course Number**	**Course Requirements**	**Credit Hours**
ENSC 509 15359	Advance Climate Science	3	WTRM 699	Capstone Seminar	1
BGMT 510 15350 (M)	Sustainability Entrepreneurship	3	WTRM 690	Internship	3
ENGL 515 15611 (online)	Writing Proficiency Course— (Depends on GRE Score)	3	ENSC 595 -30	The Systems Approach and Project Management	3
WTRM 502	Public Communication for STEM Professionals	3	ENSC 510	Urban Land Use Planning	2
Subtotal		12		Subtotal	9

Electives

Fall Semester - Recommended Courses (3 credit hrs. required)

Course Number	Course Requirements	Credit Hours
ARCP 505	Sustainable Design I	3
WTRM 501	Surface & Ground Water Hydrology	3

Spring Semester - Recommended Courses (3 credit hrs. required)

Course Number	Course Requirements	Credit Hours
WTRM 505	GIS for Water Resource Management	3
ENSC 508	Ecological Economics	3

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PSM PROFESSIONAL SCIENCE MASTER'S

Professional Science Master's in Urban Sustainability

Fall Semester Year I			Spring Semester Year I		
Course Number	**Course Requirements**	**Credit Hours**	**Course Number**	**Course Requirements**	**Credit Hours**
ULAE 620 15919	R studio	3	ENSC 508	Ecological Economics	3
ARCP 505 14696	Sustainable Design I	3	WTRM 506	Quantitative and Qualitative Research Methods (Statistics + R)	3
Elective	**Elective**	3	ENSC 595-02	Special Topic (Independent study)	2
ENGL 515 15611	Writing Proficiency Course (Depends on GRE Score)	3	WTRM 504	Ethics, Responsible Conduct of Research & Prof Responsibility	1
Subtotal (Required)		12	Subtotal		9
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
BGMT 510 15350	Sustainability Entrepreneurship	3	WTRM 690	Internship	3
WTRM 502	Public Communication for STEM Professionals	3	ENSC 595-30	The Systems Approach and Project Management	3
			ENSC 510	Urban Land Use Planning	2
Subtotal		9	Subtotal		9

Electives

Recommended Courses for Electives (3 credit hrs. required)

Course Number	Course Requirements	Credit Hours
WTRM 500 12201	Water Quality Assessment, Monitoring & Treatment	3
ENSC 512 15611	Food Production and Agro-Ecology	3

Recommended Courses for Electives (3 credit hrs. req.)

Course Number	Course Requirements	Credit Hours
ENSC 511	Advanced Sustainable Urban Agriculture	3
WTRM 505	GIS for Water Resource Management	3

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Graduate Certificate in Water Resource Management: Required Courses

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
Subtotal		6	Subtotal		6

Graduate Certificate in Urban Agriculture: Required Courses

Fall Semester Year I			Spring Semester Year I		
Course Number	**Course Requirements**	**Credit Hours**	**Course Number**	**Course Requirements**	**Credit Hours**
ENSC 509	Advanced Climate Science	3	ENSC 511	Advanced Sustainable Urban Agriculture	3
ENSC 512	Food Production and Agro-Ecology	3	ENSC 510	Urban Land Use Planning	3
Subtotal		6	Subtotal		6

Graduate Certificate in Urban Sustainability: Required Courses

Fall Semester Year I			Spring Semester Year I		
Course Number	**Course Requirements**	**Credit Hours**	**Course Number**	**Course Requirements**	**Credit Hours**
ARCP 505	Sustainable Design I	3	ENSC 510	Urban Land Use Planning	3
BGMT 510	Sustainability Entrepreneurship	3	ENSC 511	Advanced Sustainable Urban Agriculture	3
Subtotal		6	Subtotal		6