

# RECLAMATION, ENVIRONMENT AND CONSERVATION MAJOR, B.S.

Course	Title	Credits
<b>General Requirements</b>		
General Requirements ( <a href="http://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/">http://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/</a> )		40-53
School of Agriculture Core ( <a href="http://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/agriculture/#soa-core">http://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/agriculture/#soa-core</a> )		12
<b>Required Courses</b>		
CHEMISTRY 1240/1450	General Chemistry II	4/5
CHEMISTRY 3110	Environmental Chemistry Lab	1
CHEMISTRY 3130	Environmental Chemistry	3
COMPUTER 1830	Microcomputer Applications	3
SCSCI 2230	Soils	4
BIOLOGY 3450	Ecology and Evolution	3
ENGLISH 3000	Technical Writing	3
RECLAM 3020	Reclamation Revegetation	3
RECLAM 3880	Environmental Law	3
RECLAM 3900	Reclamation & Restoration Field Trip	3
RECLAM 4940	Project Management in Reclamation and Restoration	3
GENENG 1320 or INDUSTDY 1230	Engineering Computer Graphics Technical Drafting	2-3
CIVILENG 2630	Elements of Surveying	3
GEOLOGY 1140 or GEOLOGY 3130	Physical Geology Geology for Engineers	3-4
Select one of the following:		3
RECLAM 3410	Wetland Ecology, Restoration and Management	
ENVENG 4300	Hydrology	
ENVENG 4310	Groundwater Hydrology	
Select one of the following:		3
RECLAM 3940	GIS / GPS and Mapping	
CIVILENG 4630	Geographic Information Systems	
GEOGRPHY 2230	Cartography	
AGET 3950 or SCSCI 4350	Soil and Water Conservation Engineering Soil and Water Conservation	3
CIVILENG 3020 or ENVENG 3340	Construction Engineering Environmental Engineering	3-4
BIOLOGY 1350	General Botany	5
MATH 1830	Elementary Statistics	3
MATH 2450 or MATH 2530	Precalculus Trigonometry and Analytic Geometry	3-5
<b>Emphasis</b>		
Select one emphasis from the following		10-15
Total Credits		122-149

## PHYSICAL EMPHASIS

Course	Title	Credits
<b>Required Courses</b>		
PHYSICS 1350 or PHYSICS 2240	Introductory Physics I General Physics I	4-5
GEOGRPHY 3230	Geographic Information Systems	3

GEOGRPHY 3140	Global Landforms	4
Total Credits		11-12

## CHEMICAL EMPHASIS

Course	Title	Credits
<b>Required Courses</b>		
Select 9 credits of the following:		9
CHEMSTRY 2150	Quantitative Analysis	
CHEMSTRY 3540	Organic Chemistry I	
CHEMSTRY 3510	Organic Chemistry I Lab	
CHEMSTRY 3630	Organic Chemistry II	
CHEMSTRY 3610	Organic Chemistry II Lab	
Total Credits		9

## BIOLOGICAL EMPHASIS

Course	Title	Credits
<b>Required Courses</b>		
Select 15 credits of the following:		15
SCSCI 1240	Introduction to Plant Science	
SCSCI 3350	Soil Fertility and Fertilizers	
BIOLOGY 1750	The Diversity of Life	
BIOLOGY 3460	Ecological Methods and Research	
BIOLOGY 3650	Plant Communities of Wisconsin	
BIOLOGY 4530	Plant Pathology	
BIOLOGY 3750	Freshwater Biology	
BIOLOGY 3240	Microbiology	
Total Credits		15