

Soil Science - 2014

Major: Soil Science

Degree Type: B.S.

Required Degree Credits to Graduate: 128

General Education Requirements

First Year Experience (F):

AGRI 189	Skills for Academic Success (Students transferring in 24 or more credits do not need to take AGRI 189.)	1
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Communication (C):

ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
One Course in Upper Level Writing: Select one of the following:		3
ENGL 321	Writing in the Technical Professions	
ENGL 324	Writing in the Sciences	
ENGL 459	Researching and Writing Grants and Proposal	
COMM 110	Fundamentals of Public Speaking	3

Quantitative Reasoning (R):

STAT 330	Introductory Statistics	3
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Science & Technology (S):

CHEM 121 & 121L	General Chemistry I and General Chemistry I Laboratory	4
CHEM 122	General Chemistry II	3
PLSC 110	World Food Crops	3

Humanities & Fine Arts (A): Select from current general education list 6

Social & Behavioral Sciences (B): Select from current general education list 6

Wellness (W): Select from current general education list 2

Cultural Diversity (D): Select from current general education list

Global Perspectives (G):

PLSC 110	World Food Crops	3
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Total Credits 40

Major Requirements

General Education Requirements 40

Required Courses for Soil Science

AGRI 150	Agriculture Orientation (Students transferring in 24 or more credits do not need to take AGRI 150.)	1
GEOG 455 or RNG 452	Introduction to Geographic Information Systems Geographic Information Systems in Range Survey	4
PLSC 225 or RNG 336	Principles of Crop Production Introduction to Range Management	3
SOIL 210	Introduction to Soil Science	3
SOIL 217	Introduction to Meteorology & Climatology	3
SOIL 264	Natural Resource Management Systems	3
SOIL 322	Soil Fertility and Fertilizers	3
SOIL 351	Soil Ecology	3
SOIL 410	Soils and Land Use	3
SOIL 433	Soil Physics	3
SOIL 444	Soil Genesis and Survey	3
SOIL 491	Seminar	1-5

Supporting Courses

BIOL 150 & 150L	General Biology I and General Biology I Laboratory	4
BIOL 151 & 151L	General Biology II and General Biology II Laboratory	4
or PHYS 212 & 212L	College Physics II and College Physics II Laboratory	
BOT 380	Plant Physiology	3
CHEM 122L	General Chemistry II Laboratory	1
Select one of the following:		3-5
CHEM 240	Survey of Organic Chemistry	
CHEM 260	Elements of Biochemistry	
CHEM 341	Organic Chemistry I	
CHEM 431 & 431L	Analytical Chemistry I and Analytical Chemistry I Laboratory	
GEOL 105 & 105L	Physical Geology and Physical Geology Lab	4
MATH 103	College Algebra	3
MATH 105	Trigonometry	3
MATH 146	Applied Calculus I	4
or MATH 165	Calculus I	
Select one of the following:		3-5
MICR 202 & 202L	Introductory Microbiology and Introductory Microbiology Lab	
MICR 350 & 350L	General Microbiology and General Microbiology Lab	
PHYS 211 & 211L	College Physics I and College Physics I Laboratory	4
Agriculture Electives: Select 9 credits of agriculture electives		9
Degree Electives: Potential of 7 credits to reach 128.		7

Total Credits

128-132