

SOIL SCIENCE (SOILS) - BACHELOR OF SCIENCE IN AGRICULTURE

A Suggested Plan of Study for Students

This roadmap assumes student placement in MATH 1220G College Algebra and ENGL 1110G Composition I. The contents and order of this roadmap may vary depending on initial student placement in mathematics and English. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

First Year		Credits
Semester 1		
MATH 1220G	College Algebra ¹	3
ACOM 1130G	Effective Leadership and Communication in Agriculture	3
GEOL 1110G	Physical Geology	4
ACES 1120	Freshman Orientation	1
ACES 1210	Financial Fitness for College Students	1
Area IV: Social and Behavioral Science Course ²		3
Credits		15
Semester 2		
MATH 1430G	Applications of Calculus I ¹	3
ENGL 1110G or ENGL 1110H	Composition I ¹ or Composition I Honors	4
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors ¹	4
BIOL 2610G	Principles of Biology: Biodiversity, Ecology, and Evolution (Lab not required)	3
Credits		14
Second Year		
Semester 1		
PHYS 1230G	Algebra-Based Physics I	3
BIOL 2110G	Principles of Biology: Cellular and Molecular Biology (Lab not required)	3
SOIL 2110 & 2110L	Introduction to Soil Science and Introduction to Soil Science Laboratory ¹	4
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors ¹	4
Credits		14
Semester 2		
ENGL 2210G or ENGL 2210H	Professional and Technical Communication ¹ or Professional and Technical Communication	3
Area V: Humanities Course ²		3
Area VI: Creative and Fine Arts Course ²		3
Soils Option Course		3
Soils Option Course		3
Credits		15
Third Year		
Semester 1		
SOIL 472	Soil Morphology and Classification ¹	4
Soils Option Courses		6

CHEM 2120 or ANSC 1170	Integrated Organic Chemistry and Biochemistry (CHEM 2120 must be taken with associated 1-cr CHEM lab) or Introduction to Animal Metabolism	3
Electives		2-3
Credits		15-17
Semester 2		
SOIL 312	Soil Management and Fertility	3
SOIL 424	Soil Chemistry	3
Soils Option Course		3
Soils Option Course		3
Elective		3
Credits		15
Fourth Year		
Semester 1		
SOIL 477 & 477 L	Environmental Soil Physics and Environmental Soil Physics Laboratory	4
VWW: Viewing a Wider World Course ³		3
Soils Option Course		3
Soils Option Course		3
Soils Option Course		3
Credits		16
Semester 2		
SOIL 456	Irrigation and Drainage	3
SOIL 447	Seminar	1
SOIL 476	Soil Microbiology	3
SOIL 391	Internship	3
Soils Option Course		3
Soils Option Course		3
Credits		16
Total Credits		120-122

¹ These courses have prerequisites and it is the students responsibility for checking and fulfilling all course prerequisites listed for these courses

² See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses.

³ See the Viewing a Wider World (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) section of the catalog for a full list of courses.