

## *Undergraduate Courses in Soil Science and Engineering*

<b>Semester</b>	<b>Course</b>	<b>Credits</b>	<b>Prerequisite</b>
1	General English Language	3	
	General Chemistry	3	
	Biology	2	
	General Physics	2	
	physics lab	1	
	Geology	2	
	Plant Anatomy and Physiology	3	
2	Organic Chemistry	2	General Chemistry
	General Mathematic	3	
	General Soil Science	3	General Chemistry
	Statistics Probability	3	General Mathematic
	Meteorology and Climatology	3	General Physics
	General Lessons	3	
3	Analytical Chemistry	2	General Chemistry
	Organic Production	2	
	Organic Chemistry Lab	1	
	General Agronomy	3	
	Ecology	3	
	General Lessons	5	
4	Cartography	2	
	General Irrigation	3	General Soil Science
	Internship I	3	General Soil Science, General Agronomy
	Analytical Chemistry Lab	1	
	Compost	2	Soil Biology
	Soil Physics	3	General Soil Science
	Soil Fertility and Fertilizers	3	General Soil Science
	General Lessons	2	
	Soil Microbiology	3	Biology
	5	General Horticulture	3
Soil chemistry		3	General Soil Science
Soil Biology		3	Soil Microbiology
Soil Genesis		2	General Soil Science, Geology
General Lessons		2	
Soil Management for Agriculture		2	
Sustainable Development			
Application of Remote Sensing and Geo-information Science in Agriculture		2	
General Lessons		2	
6		Agricultural Experimental Design 1	3
	Internship II	3	
	Saline and Sodic Soils	3	General Soil Science
	Soil Inventory and Mapping	3	Cartography
	General Lessons	2	
	Soil Classification	2	General Soil Science, Geology
	Wind Erosion	2	General Soil Science
7	General Agricultural machinery	3	
	Soil Erosion and Conservation	3	General Soil Science
	Professional Language	3	
	Plant Nutrition	3	Soil Fertility and Fertilizers
	Radioisotopes Using in Soil Science	2	General Soil Science
	General Lessons	1	
8	Skill learning	4	
	Fundamental of Drainage	3	General Irrigation
	Soil Water and Plant Relationships	3	General Soil Science, General Irrigation
	Soil and Land Evaluation	3	Soil Inventory and Mapping
	Greenhouse Management	2	
General Lessons	2		