

Agricultural and Environmental Soil Sciences

Faculty Advisors: Mike Cox, Billy Kingery and Jac Varco

The Agricultural and Environmental Soil Sciences curriculum provides an education foundation in soil processes involving physical, chemical and biological interrelationships. The soil resource is an integral component of our environment and is subject to loss and degradation through man's activities. Humanity's dependence on soil and food for food and fiber production and the need for ensuring environmental quality requires individuals trained in the management of this resource. Career opportunities exist both nationally and internationally in agricultural and environmental consulting, agribusiness, government agencies, teaching, and research. Required courses provide soil science training, while elective courses can be selected to meet specific needs.

Cooperative Education: Agricultural and Environmental Soil Sciences students are encouraged to participate in the cooperative education program.

Freshman Year

Freshman Year	
First Semester	Second Semester
EN 1103 English Comp I	EN 1113 English Comp II
MA 1313 College Algebra	MA 1323 Trigonometry
BIO 1203 Plant Biology	CH 1223 Fund of Chemistry
CH 1213 Fund of Chemistry	CH 1221 Invst. in Chemistry
CH 1211 Invst. in Chemistry	GR 1123 Intro Wrld. Geography
3 Hours Humanities Elective	3 Hours Humanities Elective
16 Hours	16 Hours
Total Hrs. 32	

Sophomore Year

Sophomore Year	
First Semester	Second Semester
PSS 3303 Soils	MA 1713 Calculus I
PSS 3301 Soils Laboratory	PH 1123 General Physics
CH 2314 Quan. Inorg. Analy.	BIO 3304 General Microbiology
PH 1113 General Physics	CO 1003 Fund of Public Speaking
GG 1111 Survey of Earth Sci. Lab	
GG 1113 Survey of Earth Science	

15 Hours	13 Hours
Total Hrs. 60	

Junior Year	
First Semester	Second Semester
PSS 4323 Soil classification	PSS 4313 Soil Fertility
CH 4513 Organic Chemistry	PSS 4314 Soil Microbiology
BIO 4214 Plant Physiology	AEC 2713 Intro To Ag. Econ
3 Hours App. Compt. Sci. Elec.	CH 4523 Organic Chemistry
AIS 3203 Intro to Tech Writing	3 Hours Restricted Elective
16 Hours	16 Hours
Total Hrs. 92	

Senior Year	
First Semester	Second Semester
PSS 4603 Soil Chemistry	ST 3113 Intro to Stats. Inference
PSS 4333 Soil Conservation	3 Hours Restricted Elective
3 Hours Restricted Elective	3 Hours Restricted Elective
3 Hours Restricted Elective	4 Hours Restricted Elective
3 Hours Soc/Beh Science Elec.	3 Hours Fine Art Elective
15 Hours	16 Hours
Total Hrs. 123	

Restricted Electives (19 Hours Required)

ABE 4263 Soil And Water Management	GG 3613 Water Resources
ADS 1114 Animal Science	GG 4114 Mineralogy
AEC 3133 Intro to Agribusiness Mgt.	GG 4304 Princ. of Sedi. Deposit I
BCH 3613 Elementary Biochemistry	GG 4503 Geomorphology
BCH 4414 Protein Methods	GR 2313 Maps and Remote Sensing
BIO 4213 Plant Ecology	GR 3113 Conservation of Nat. Resources
BIO 4404 Environmental Chemistry	GR 4603 Climatology
CH 3213 Inorganic Chemistry	MA 1723 Calculus II

CH 4203 Environmental Chemistry	PSS 1313 Plant Science
CH 4404 Biophysical Chemistry	PSS 3133 Intro to Weed Science
CH 4413 Physical Chemistry I	PSS 4103 Forage & Pasture Crops
EPP 2213 Intro to Insects	PSS 4123 Grain Crops
EPP 3113 Intro to Plant Pathology	PSS 4133 Fiber and Oilseed Crops
FO 3123 Forest Ecology & Global Env.	PSS 4223 Seed Production
GG 3133 Intro to Environmental Geol.	PSS 4414 Turf Management