

**CURRICULUM FOR BACHELOR OF SCIENCE IN AGRICULTURAL ENGINEERING
(SOIL AND WATER SYSTEMS)**

FALL SEMESTER				SPRING SEMESTER			
FRESHMAN YEAR							
Personal & Social Dev.	BAS	1210	2	Career and Life Planning	BAS	1120	2
English Composition I	ENGL	1311	3	English Composition II	ENGL	1321	3
Calculus I	MATH	2510	5	Calculus II	MATH	2520	5
General Chemistry I Lect.	CHEM	1330	3	University Physics I Lect.	PHYS	3310	3
General Chemistry I Lab	CHEM	1130	1	University Physics I Lab	PHYS	3110	1
Physical Education	HLPE	11xx	1	Principles of Biology I	BIOL	1455	4
Orientation Ag. Engineering	AGEN	1101	1				
Total Fall Hours			16	Total Spring Hours			18
SOPHOMORE YEAR							
Animal Science	AGRI	1321	3	Agric. Eng. Fundamentals	AGEN	2310	3
University Physics II Lect.	PHYS	3320	3	Plant Science	AGRI	1421	4
University Physics II Lab	PHYS	3120	1	History	HIST	231x	OR
Nutrition and Wellness	HUSC	1311	3	Government	Govn	231x	3
Introductory Soils	AGRI	2331	3	Computer Science	CPSC	2300	3
Literature Inst. Requirement	ENGL	23xx	3	Social Science	SOCI	X3xx	3
Total Fall Hours			16	Total Spring Hours			16
SUMMER SEMESTERS							
Agricultural Eng. Intern. I	AGEN	3505	5				
JUNIOR YEAR							
Oral Communication	MCOM	2390	3	Estimating and Scheduling	TECH	4320	3
Social Science	SOCI	X3xx	3	Humanities	HUMN	X3xx	3
Agri. Engineering Safety	AGEN	3320	3	Soil Water Resource Eng	AGEN	3375	3
Mechanics of Materials	AGEN	3345	3	Elective			3
Computer Assisted Design	AGEN	3301	3	Elective			3
Total Fall Hours			15	Total Spring Hours			15
SUMMER SEMESTERS							
Agricultural Eng. Intern. II	AGEN	4505	5				
SENIOR YEAR							
Humanities	HUMN	xxxx	3	Ag. Engineering Project	AGEN	4301	3
Irrigation and Drainage Syst	AGEN	3328	3	Elective			3
Elective*			3				
Total Fall Hours			9	Total Spring Hours			6

* Electives for Soil and Water Systems Option. Choose any four of the following electives:

AGEN 4325 Design of Agricultural Structures

AGEN 4310 Agricultural Hydraulic Power

AGEN 3395 Soil Mechanics

AGRI 4386 Geographical Information Systems (GIS) and Watershed management

AGRI 3334 Soil Physics

AGRI 3324 Soil and Water Management.

Courses in red color are core courses.