

**CURRICULUM FOR BACHELOR OF SCIENCE IN AGRICULTURAL ENGINEERING  
(POWER MACHINE OPTION)**

FALL SEMESTER				SPRING SEMESTER			
<b>FRESHMAN YEAR</b>							
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				
<b>Total Fall Hours</b>			<b>16</b>	<b>Total Spring Hours</b>			<b>18</b>
<b>SOPHOMORE YEAR</b>							
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
<b>Total Fall Hours</b>			<b>16</b>	<b>Total Spring Hours</b>			<b>16</b>
<b>SUMMER SEMESTERS</b>							
Agricultural Eng. Intern. I	AGEN	3505	5				
<b>JUNIOR YEAR</b>							
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	Elective			3
Mechanics of Materials	AGEN	3345	3	Elective			3
Computer Assisted Design	AGEN	3301	3	Agricultural Hydraulic Power	AGEN	4310	3
<b>Total Fall Hours</b>			<b>15</b>	<b>Total Spring Hours</b>			<b>15</b>
<b>SUMMER SEMESTERS</b>							
Agricultural Eng. Intern. II	AGEN	4505	5				
<b>SENIOR YEAR</b>							
Humanities	HUMN	xxxx	3	Ag. Engineering Project	AGEN	4301	3
Elective*			3	Elective			3
<b>Total Fall Hours</b>			<b>6</b>	<b>Total Spring Hours</b>			<b>6</b>

\* Electives for Power and Machines Option. Choose any four of the following:

AGEN 3322 Agricultural Electric Power

AGEN 3385 Agricultural Tractor Power

AGEN 4315 Agricultural HVAC/Environmental Systems

TECH 4372 Fluid Power Systems

AGEN 4325 Design of Agricultural Structures

AGEN 3335 Surveying and Site Preparation.

Courses in red color are core courses.