

Degree Program Map
Bachelors of Science in Agricultural Engineering Technology
College of Agriculture, Family Sciences, and Technology
Fort Valley State University

TOTAL NUMBER OF HOURS REQUIRED FOR DEGREE IS 131

Freshman Year

Fall Semester	Credit Hours		Spring Semester	Credit Hours
ENGL 1101 Composition I	3		ENGL 1102 Composition II	3
COMM 1110 Public Speaking	3		MATH 1113 ² Pre-Calculus	4
BIOL 1107K Principles of Biology	4		PHYS 1111K Intro to Physics I	4
AENT 1813K Engineering Graphics	3		POLS 1101 American Government	3
PEDW 1402 ¹ Fitness/Lifestyle Assessment	1		AENT 1802K ² Intro to Computer Applications OR CSCI 1153 Intro to Computers	3
FVSU 0100 Intro to the University - Orientation	1			
AENT 1801 ³ Intro to Ag. Eng. Tech.	1			
Semester Total	16		Semester Total	17
Milestones			*Milestones*	
<ul style="list-style-type: none"> • Complete ENGL 1101 with a C or better • Students may begin MATH 1111 this semester if they are planning to take MATH 1111 + MATH 1112 in lieu of MATH 1113 			<ul style="list-style-type: none"> • Complete ENGL 1102 with a C or better • Complete AENT courses with C or better • Must meet pre-requisite requirements 	

Sophomore Year

Fall Semester	Credit Hours		Spring Semester	Credit Hours
HIST 1111 or 1112 Survey of World Civilizations	3		ENGL 2111 or 2112 World Literature I or II	3
MATH 1154 Calculus I	4		MATH 2164 Calculus II	4
AENT 2833K Surveying	3		SOCI 2008 Cultural Diversity	2
CHEM 1211K Principles of Chemistry I	4		CHEM 1212K Principles of Chemistry II	4
AENT 2803K Wood & Metal Technology	3		HIST 2111 or 2112 U.S. History	3
			PEDW ¹	1
Semester Total	17		Semester Total	17
Milestones			*Milestones*	
<ul style="list-style-type: none"> • Complete AENT courses with C or better • Must meet pre-requisite requirements 			<ul style="list-style-type: none"> • Complete AENT courses with C or better • Must meet pre-requisite requirements 	

Junior Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
AENT 3823K Electrical/Electronic Applications for Ag.	3	AENT 3832K Instrumentation	2
ECON 2105 ² Principles of Macroeconomics	3	ACCT 2101 Principles of Accounting I	3
PSCI 1804K ² Plant Science	4	AENT 3853K Power for Agriculture	3
AENT 3843K Intro to Materials	3	AGEC 3803 ² Farm Management	2
PHYS 1112K Intro to Physics II	4	SSCI 2804K ² Soil Science	4
		Electives ³	3
Semester Total	17	Semester Total	17
Milestones		*Milestones*	
<ul style="list-style-type: none"> • Complete AENT courses with C or better • Must meet pre-requisite requirements • Electives selected in consultation with Advisor Refer to Note B. • Complete Electives with C or better 		<ul style="list-style-type: none"> • Complete AENT courses with C or better • Must meet pre-requisite requirements • Electives selected in consultation with Advisor Refer to Note B. • Complete Electives with C or better 	

Senior Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
AENT 4873K Structures and Environments	3	AENT 4803K Handling & Processing Ag. Products	3
AENT 4881 Senior Seminar	1	AENT 4813K Soil, Water & Natural Resources	3
AENT 4833K Machinery for Agriculture	3	AGEC 4823 ² Marketing Agricultural Products	3
PHIL 2000 Intro to Philosophy	3	AENT 4903K ³ Special Topics	3
Electives ³	3	Electives ³	2
Electives ³	3		
Semester Total	16	Semester Total	14
Milestones		*Milestones*	
<ul style="list-style-type: none"> • Complete AENT courses with C or better • Must meet pre-requisite requirements • Electives selected in consultation with Advisor Refer to Note B. • Complete Electives with C or better • Apply for Graduation 		<ul style="list-style-type: none"> • Complete AENT courses with C or better • Must meet pre-requisite requirements • Complete all Major Area & Elective courses with C or better • Complete 131 hours 	

¹MILS sequence may be substituted

²Required courses with alternates, please consult with advisor. Refer to Note A.

³Elective courses with alternates, of which a minimum of 9 hours must be in 3000 or 4000 level courses. Refer to Note B.

Please Note:

- A. Courses with a K designation at the end have a required lab component.
- B. Courses with alternatives may have equal or greater credit hour values, which may change “slightly” the total number of credits. This may also affect the number of upper division major hours, compensate by selecting an additional 3 credit upper division elective.
- C. A baccalaureate degree program must require at least 21 semester hours of upper division (3000 & 4000 level) courses in the major field and at least 39 semester hours of upper division courses overall.