



Biological and Agricultural Engineering
 College of Agriculture & Life Sciences
 Advisor: Reid Stavinoha 979-458-1213
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2021-2022 Angelina College/TAMU Transfer
 Agreement
 Minimum GPA: 2.75
 Completed Associate's Degree from Angelina

Degree Plan for Bachelor of Science in Biological and Agricultural Engineering

Requirements:

- Students may have to complete Pre-Calculus (MATH 2412) at Angelina College before taking MATH 2413.
- Students who want to transfer into BAEN at Texas A&M University should earn grades of B or better in CHEM 1409, MATH 2413, MATH 2414, and PHYS 2425.
- **Transfer students must have a minimum GPA of 2.75.**

We encourage students to meet with their academic advisor at Angelina College to discuss degree requirements. For questions regarding transfer to Texas A&M University, students may contact Reid Stavinoha reid.stavinoha@ag.tamu.edu.

Degree Plan for Angelina College students planning to transfer into BS in Biological and Agricultural Engineering

First Year

FALL SEMESTER				SPRING SEMESTER					
TCCNS	TAMU	Course Name	Hrs.	TCCNS	TAMU	Course Name	Hrs.		
ENGL 1301	ENGL 103	Composition I	3	HIST 1302	HIST 106	United States History II	3		
HIST 1301	HIST 105	United States History I	3	ENGL 2311	ENGL 210	Technical Writing	3		
MATH 2413 ¹	MATH 151	Calculus I	4	MATH 2414 ¹	MATH 152	Calculus II	4		
CHEM 1409 ¹	CHEM 107/117	CHEM for Engineering	4	PHYS 2425 ¹	PHYS 206	University Physics I	4		
			Total	14				Total	14

Second Year

FALL SEMESTER				SPRING SEMESTER					
TCCNS	TAMU	Course Name	Hrs.	TCCNS	TAMU	Course Name	Hrs.		
MATH 2415 ¹	MATH 251	Calculus III	4	ENGR 2302 ¹	MEEN 221	Dynamics(must also take ENGR 2301 Statics)	3		
ENGR 2301 ¹	MEEN 221	Statics (must also take ENGR 2302 Dynamics)	3	GOVT 2306	POLS 207	Texas Government	3		
PHYS 2426 ¹	PHYS 207	University Physics II	4	PSYC 2301	Soc Behav Sci	General Psychology	3		
GOVT 2305	POLS 206	Federal Government	3	MUSI 1306	Creative Arts	Music Appreciation	3		
ENGL 23xx	Lang, Phil, & Culture	Sophomore Literature	3	MATH 2320 ¹	MATH 308	Differential Equations	3		
			Total	17				Total	15

¹ Courses must be taken face to face or online from Angelina College.

Career & Educational Opportunities:

Biological and agricultural engineers use technology such as robotics, sensors, computer models and satellites to make a cleaner and more sustainable environment. They maintain plentiful, clean water, and make healthier, safer foods. They provide clean, efficient energy and develop innovative machines. Biological and agricultural engineers apply their knowledge of physical and biological sciences, mathematics, engineering principles and engineering design to food and biological systems and processes, to the preservation of environmental quality, to production of biofuels, and to machine systems that interface with all of these. Biological and agricultural engineering graduates, having obtained a broad engineering background through our program, are sought by a wide variety of employers. The students in the Biological and Agricultural Engineering department may choose a career in engineering consulting, government, equipment manufacturing, materials storage, handling & control systems, and food, fiber & pharmaceutical companies. For more information, please visit <https://baen.tamu.edu>.