

At-A-Glance

Minimum GPA
2.0Limited Access
NoAdditional Program
Application
NoTest Required
NoOnline Option
NoTotal Credits
62

Important Notes

- Must earn a grade C or higher in courses unless otherwise indicated.
- Foreign Language Requirements: All undergraduate students are **required** to have **two** years of Foreign Language study **prior** to graduation with a bachelor's degree from Florida A&M University.
- Civics Literacy Requirement must be completed prior to graduation.



RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

Fall	Spring
ENC 1101 Freshman Comm Skills I (3)	PHY 2048 General Physics I (4)
MAC 2311 Calculus I (4)	PHY 2048L General Physics I Lab (1)
BSC 1010 Biology I (3)	CHM 1045 General Chemistry I (3)
BSC 1010L Biology I Lab (1)	CHM 1045 General Chemistry I Lab (1)
ABE 1002 Engineering Terminology & Concepts (1)	ABE 1010 Introduction to BSE (2)
AMH 2020 U.S. History 1865 – Present or POS 2041 American National Government (3)	MAC 2312 Calculus II (4)
Total: 15	Total: 15

YEAR 2

Fall	Spring
ENC 1102 Freshman Communication Skills II (3)	MAP 2302 Differential Equations (3)
PHY 2049 General Physics II (4)	ABE 3650 Engineering Properties of Biological Materials (3)
PHY 2049L General Physics II Lab (1)	ABE 2930 Sophomore Seminar (1)
CHM 1046 General Chemistry II (3)	EGM Engineering Mechanics (4)
CHM 1046L General Chemistry II Lab (1)	SUR 2140 Surveying - OR - CEG 2202 Geomatics (3)
MAC 2313 Calculus III (5)	SUR 2140L Surveying Lab -OR- CEG 2202L Geomatics Lab (1)
Total: 17	Total: 15



JOB OUTLOOK

According to the U.S. Bureau of Labor Statistics, employment of agricultural engineers is projected to grow 6 percent from 2024 to 2034, faster than the average for all occupations, with a median annual wage of \$84,630 in May 2024. A bachelor's degree in biological or agricultural engineering is the standard entry-level credential, and FAMU's ABET-accredited BSE program also prepares graduates for the Fundamentals of Engineering (FE) and Professional Engineer (PE) licensure path and for graduate or professional study.

Career Opportunities

- Agricultural Engineer
- Biological Systems Engineer
- Food and Bioprocess Engineer
- Natural Resources Conservation Engineer
- Water Resources Engineer
- Environmental Engineer
- Biochemical and Bioenergy Engineer
- Soil and Water Engineer



NEXT STEPS



CONTACT US

Program Website

<https://cafs.famu.edu/academic/biological-system-engineering.php>

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