

TRANSFER PATHWAY GUIDE

AGRIBUSINESS

Bachelor of Science (B.S.)

COLLEGE OF AGRICULTURE & FOOD SCIENCES

FAMU

Guide No. CAFS-01

At-A-Glance



Minimum GPA
2.0



Limited Access
No



Additional Program
Application
No



Test Required
No



Online Option
No



Total Credits
60

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.
- Civic Literacy Requirement must be met prior to graduation.



RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

FALL	SPRING
ENC 1101 Freshman Communication Skills I (3)	ENC 1102 Freshmen Communication Skills II (3)
MAC 1105 College Algebra (3)	MAC 2233 Business Calculus (3)
Natural Sciences - General Education Requirement (3)	Natural Sciences - General Education Requirement (3)
ECO 2013 Principles of Economic I (3)	ECO 2023 Principles of Economics II (3)
AGG 2004 Intro to Agricultural Sciences (1)	Humanities - General Education Requirement (3)
SLS 1101 First Year Experience (2)	
Total Credits: 15	Total Credits: 15

YEAR 2

FALL	SPRING
STA 2023 Intro to Probability, Statistics I, or QMB 2100 Quantitative Methods & Decisions I (3)	ACG 2021 Financial Accounting Principles (3)
AEB 2104 Economics of Agriculture (3)	ECO 3101 Microeconomic Theory (3)
AMH 2091 African American History or AMH 2020 or POS 2041 (3)	Humanities General Education Requirement (3)
CGS XXXX Computer Literacy Course (3)	Civics Requirement (AMH 2010, AMH 2020, POS 2041) (3)
Directed Elective (3)	Directed Elective (3)
Total Credits: 15	Total Credits: 15



JOB OUTLOOK

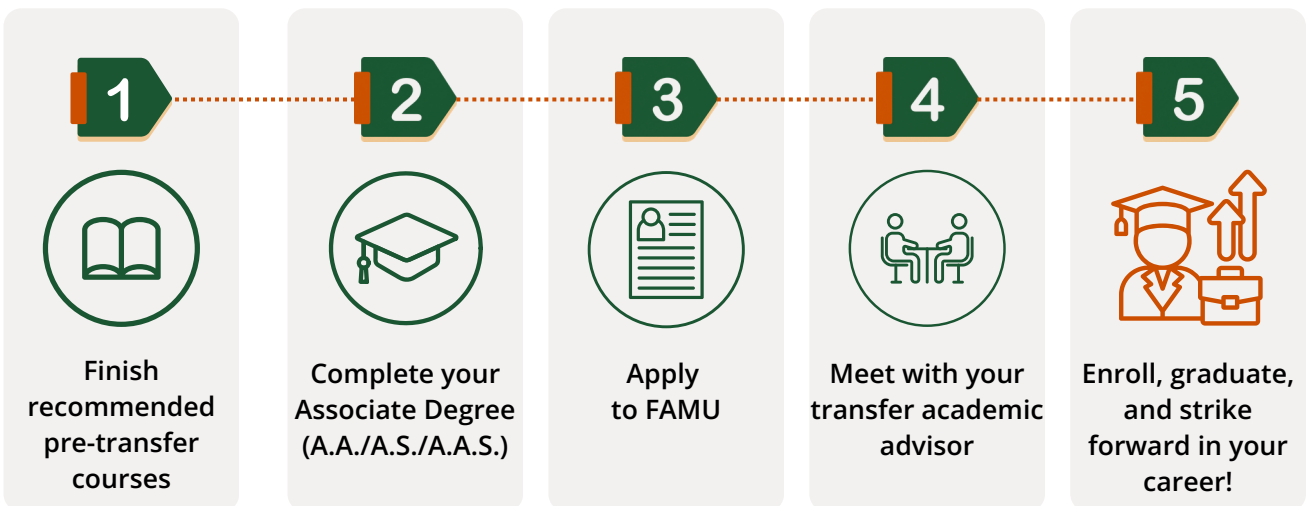
Despite declining employment, about 85,500 openings for farmers, ranchers, and other agricultural managers are projected each year, on average, over the decade. In the coming years, the agri-food sector will experience a strong reconfiguration driven by a greater demand for food, the demand for products with very specific characteristics and by scientific and technological development. Regional agri-food specialization of production systems will continue even more rapidly.

Career Opportunities

- International Trade Economist
- Statistical Analyst
- Regional Manager
- Marketing Analyst
- Production Manager
- Sales Representative
- Financial Analyst
- Agricultural Economist



NEXT STEPS



CONTACT US

Program Website

<https://cafs.famu.edu/academic/agribusiness/index.php>

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At-A-Glance

Minimum GPA
2.0Limited Access
NoAdditional Program
Application
NoTest Required
NoOnline Option
NoTotal Credits
60

Important Notes

- Must earn a grade C or higher in courses unless otherwise indicated.
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RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

Fall	Spring
ENC 1101 Freshman Comm Skills I (3)	ENC 1102 Freshmen Comm Skills II (3)
AGG 2004 Intro to Agricultural Sciences (1)	MAC 1105 College Algebra (3)
BOT 1010 Elementary Botany (3)	BSC 1010/1010L General Biology I w/ Lab (4)
AMH 2091 African American History or AFA 3104 or AFA 2000 (3)	Humanities Gen. Educ. Core Requirement (3)
Computer Literacy Course (3)	AGG 2050 Intro to Biotechnology (2)
SLS 1101 1st Year Experience (2)	
Total: 15	Total: 15

YEAR 2

Fall	Spring
MAC 1114 Algebra and Trig Functions (3)	CHM 1045/1045L General Chemistry I (4)
BSC 1011/1011L General Biology II w/Lab (4)	FOS 3042 Intro to Food Science (3)
CHM 1020 Fundamentals of Chemistry (4)	Civics Requirement (AMH 2010, AMH 2020, POS 2041) (3)
ECO 2013 Principles of Economics I (3)	Humanities Gen Education Elective (3)
	AEB 2104 Economics of Agriculture (3)
Total: 14	Total: 16



JOB OUTLOOK

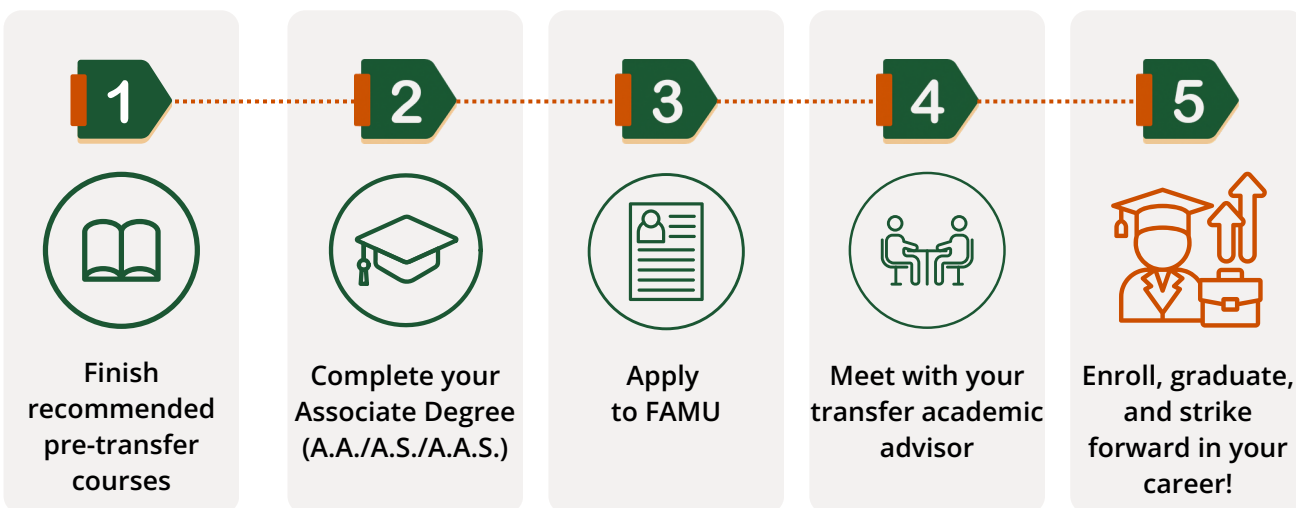
Overall employment of agricultural and food science technicians is projected to grow 5 percent from 2024 to 2034, faster than the average for all occupations. About 6,100 openings for agricultural and food science technicians are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

Career Opportunities

- Food and Farm managers
- Agricultural scientists
- Sales and marketing representatives
- Food Safety Officer
- Agriculture teacher
- Crop consultant
- Natural resource policy analyst



NEXT STEPS



CONTACT US

Program Website

<https://cafs.famu.edu/academic/agricultural-sciences.php>

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ANIMAL SCIENCE PRE-VET

Bachelor of Science (B.S.)

COLLEGE OF AGRICULTURE & FOOD SCIENCES

FAMU

Guide No. CAFS-03

At-A-Glance



Minimum GPA
2.0



Limited Access
No



Additional Program Application
No



Test Required
No



Online Option
No



Total Credits
61

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



RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

Fall	Spring
ENC 1101 Freshman Comm Skills I (3)	ENC 1102 Freshmen Comm Skills II (3)
AGG 2004 Intro to Agricultural Sciences (1)	MAC 1114 Algebra & Trigonometry (3)
BSC1010/1010L General Biology I w/Lab (4)	BSC 1011/1011L General Biology II w/ Lab (4)
MAC 1105 College Algebra (3)	Humanities Gen. Educ. Core Requirement (3)
ANS 3006 Intro to Animal Science (3)	AMH 2091 African American History or AFA 2000 , Intro to African American Studies (3)
Total: 14	Total: 16

YEAR 2

Fall	Spring
Social Science Gen Ed Core requirement (3)	CHM 1046/1046L General Chemistry I (4)
ANS 3463 Feeds and Feedings (3)	ATE 2111 Animal Anatomy II (3)
CHM 1045/1045L General Chemistry I w/lab (4)	Civics Requirement (AMH 2010, AMH 2020, POS 2041) (3)
AGG 2050 Intro to Biotechnology (2)	Humanities Gen Education Elective (3)
ATE 2110 Animal Anatomy I (3)	STA 2023 Probability & Statistics (3)
Total: 15	Total: 16



JOB OUTLOOK

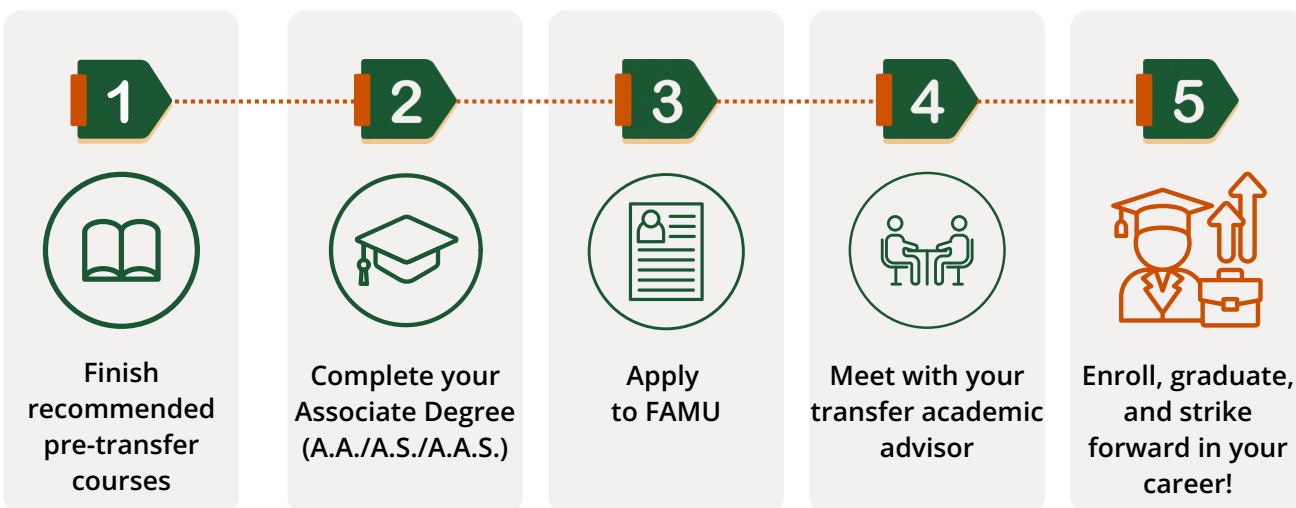
The Animal Science Pre-Veterinary Science program prepares students for careers and advanced study in animal health, livestock production, nutrition, anatomy, biotechnology, and veterinary-related sciences. According to the U.S. Bureau of Labor Statistics, agricultural and food scientists, including animal scientists, are projected to grow 6% from 2024 to 2034, with about 3,100 openings per year, while veterinary technologists and technicians are projected to grow 9%, much faster than average.

Career Opportunities

- Veterinarian (with completion of DVM degree and licensure)
- Animal Scientist
- Livestock Production Manager
- Animal Nutritionist/Feed Consultant
- Veterinary Assistant or Animal Care Specialist
- Extension Agent/Livestock Specialist
- Animal Health or Pharmaceutical Sales Representative
- USDA/State Animal Health Inspector



NEXT STEPS



CONTACT US

Program Website

<https://cafs.famu.edu/academic/animal-science-pre-veterinary-science.php>

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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

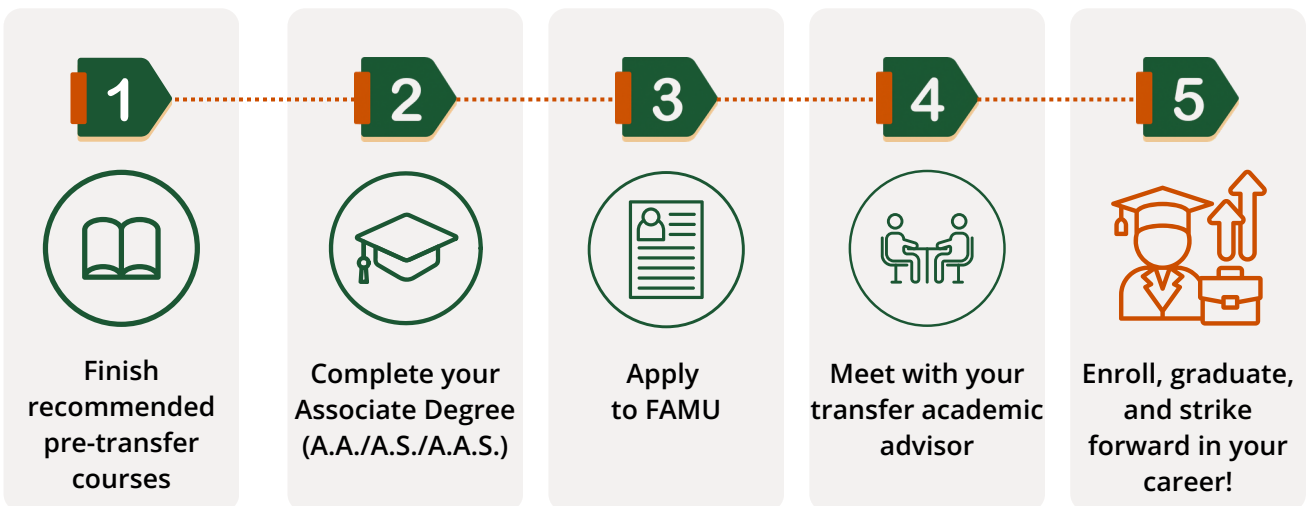
According to the U.S. Bureau of Labor Statistics, employment of agricultural engineers is projected to grow 6 percent from 2024 to 2034, faster than the average for all occupations, with a median annual wage of \$84,630 in May 2024. A bachelor's degree in biological or agricultural engineering is the 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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TRANSFER PATHWAY GUIDE

ENTOMOLOGY

Bachelor of Science (B.S.)

COLLEGE OF AGRICULTURE & FOOD SCIENCES

FAMU

Guide No. CAFS-05

At-A-Glance



Minimum GPA
2.0



Limited Access
No



Additional Program
Application
No



Test Required
No



Online Option
No



Total Credits
60

Important Notes

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RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

Fall	Spring
ENC 1101 Freshman Comm Skills I (3)	ENC 1102 Freshmen Comm Skills II (3)
MAC 1105 College Algebra or higher math (3)	MAC 1114 Algebra & Trig. or higher math (3)
BSC 1010 General Biology I and Lab (4)	BSC 1011 General Biology II and Lab (4)
Humanities Elective (3)	SPC 2600 Public Speaking (3)
AGG 2004 Introduction to Agricultural Sciences (1)	Humanities Gen Education Requirement (3)
Total: 14	Total: 16

YEAR 2

Fall	Spring
ENY 3004 General Entomology and Lab (4)	CGS XXXX Computer Literacy Course (3)
CHM 1045 General Chemistry I and Lab (4)	ECO 2013 Principle of Economics or Soc Sci Elective (3)
AMH 2091 African American History or AFA 3000 (3)	Approved electives (3)
AMH 2020 U.S. History: 1865 to Present or POS 2041 American National Government (3)	CHM 1046 General Chemistry II and Lab (4)
	ENY 2001E Insects, People and Environment (3)
Total: 14	Total: 16



JOB OUTLOOK

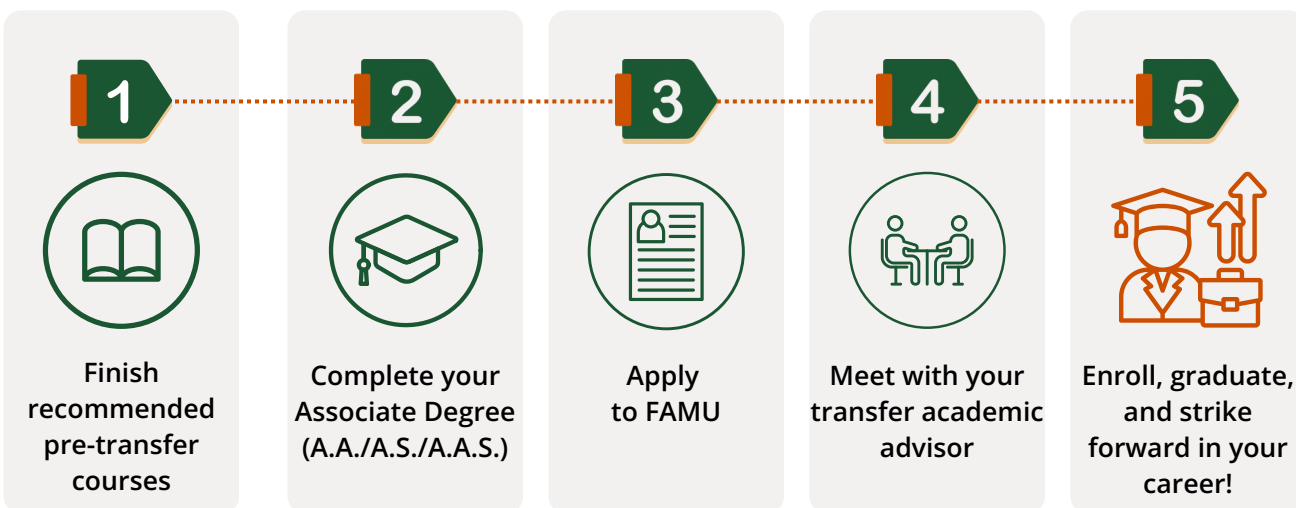
Entomology is a dynamic and rapidly evolving field that offers diverse career opportunities in forensic, public health (medical and veterinary), agriculture, biotechnology, environmental sustainability, chemical industry, and scientific research. According to the U.S. Bureau of Labor Statistics, employment opportunities for entomologists, are projected to remain strong, with approximately 1,400 job openings annually through 2034.

Career Opportunities

- Pest Control Advisors
- Regulatory Scientist/ Inspectors
- Forensic Entomologist
- Environmental Consultant
- Zoo Education
- Researchers for government or private industry
- Medical/Veterinary entomologists
- Extension Specialist



NEXT STEPS



CONTACT US

Program Website

<https://cafs.famu.edu/academic/entomology.php>

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At-A-Glance

Minimum GPA
2.0Limited Access
NoAdditional Program
Application
NoTest Required
NoOnline Option
NoTotal Credits
60

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



RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

Fall	Spring
ENC 1101 Freshman Comm Skills I (3)	ENC 1102 Freshman Comm Skills II (3)
BSC 1010 / 1010L General Biology I w/Lab (4)	BSC 1011/1011L General Biology II w/Lab (4)
African American History (AMH 2091, AFA 3104, or AFA 2000) (3)	CHM 1045/1045L General Chemistry I w/Lab (4)
SPC 2608 Public Speaking (3)	FOS 2002 Food and People (3)
AGG 2004 Intro to Agricultural Sciences (1)	Civics Requirement (AMH 2010, AMH 2020, or POS 2041) (3)
Total: 14	Total: 17

YEAR 2

Fall	Spring
MAC 1147 Pre-Calculus Math (4)	MAC 2311 Calculus (4)
CHM 1046/1046L General Chemistry II w/lab (4)	CMH 2210/2210L Organic Chemistry I w/Lab (4)
HUN 2401 Human Nutrition (3)	FOS 3042/3042L Intro to Food Science w/Lab (4)
Humanities Gen. Ed. Core Requirement (3)	ECO 2013 Principles of Economics I (3)
Total: 14	Total: 15



JOB OUTLOOK

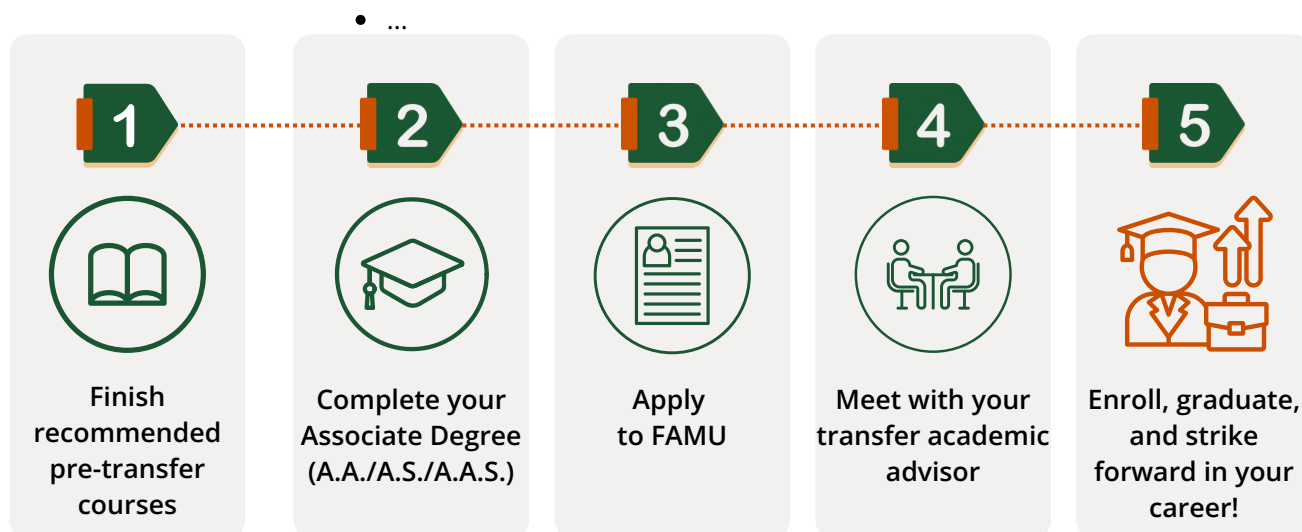
A degree in food science opens doors to a multi-billion-dollar industry that blends biology, chemistry, and engineering to ensure the world's food supply is delicious, safe, and sustainable. Food scientists typically earn salaries competitive with other science and engineering degrees. Most have successfully found a job or earned admission to graduate school months after graduation.

Career Opportunities

- Product development scientist
- Flavorist (Flavor Chemist)
- Sensory Scientist
- Quality Assurance Manager
- Regulatory Affairs Specialist
- Food microbiologist
- Food safety auditor
- Food process engineer
- Packaging engineer
- Production supervisor



NEXT STEPS



CONTACT US

Program Website

<https://cafs.famu.edu/academic/food-science.php>

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PLANT AND SOIL SCIENCE

Bachelor of Science (B.S.)

COLLEGE OF AGRICULTURE & FOOD SCIENCES

FAMU

Guide No. CAFS-07

At-A-Glance



Minimum GPA
2.0



Limited Access
No



Additional Program Application
No



Test Required
No



Online Option
No



Total Credits
58

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



RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

Fall	Spring
ENC 1101 Freshman Comm Skills I (3)	ENC 1102 Freshmen Comm Skills II (3)
BSC 1010 / 1010L General Biology I w/Lab (4)	BSC 1011/1011L General Biology II w/Lab (4)
African American History (AMH 2091, AFA 3104, or AFA 2000) (3)	MAC 1114 Algebraic and Trigonometry (3)
MAC 1105 College Algebra (3)	Social Sciences elective (3)
AGG 2004 Intro to Agricultural Sciences (1)	Civics Requirement (AMH 2010, AMH 2020, or POS 2041) (3)
Total: 14	Total: 16

YEAR 2

Fall	Spring
BOT 1010/BOT 1010L Elementary Botany/ w/Lab (4)	PHY 2053/2053L College Physics w/Lab (4)
CHM 1045/1045L General Chemistry I w/Lab (4)	CHM 1046/1046L General Chemistry II w/Lab (4)
ECO 2013 Principles of Economics (3)	AGG 2332C Introduction to Geospatial Technologies (3)
Humanities Gen. Ed. Core Requirement (3)	SWS 2007 The World of Water (3)
Total: 14	Total: 14



JOB OUTLOOK

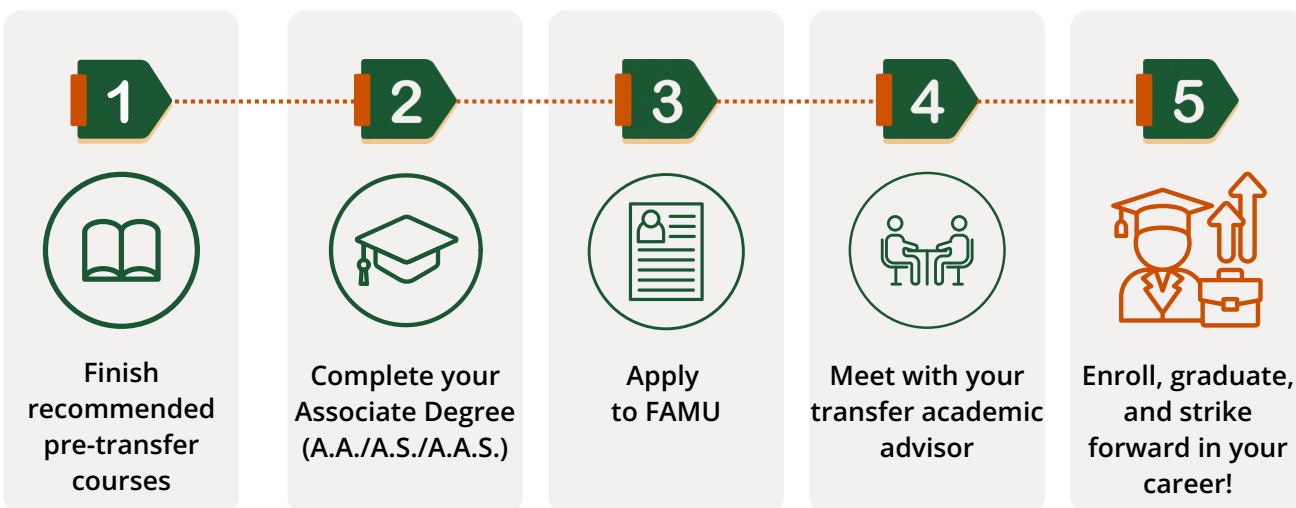
The job outlook for plant and soil science is positive and steady with employment projected to grow 5% to 6% over the 2024–2034 decade. This growth rate is on par with or faster than the average for all occupations, driven by an increasing global demand for sustainable food production and environmental. The median annual wage for soil and plant scientists hovers around \$70,082 to \$71,000, with top-tier earners (the highest 10%) making upwards of \$131,000 to \$134,251.

Career Opportunities

- Agronomist
- Crop Nutrition Scientist
- Soil Science and conservation specialist
- Gold Course/Sports Turf Manager
- Resource conservationist
- Plant Breeder
- Biotech/Lab scientist
- Greenhouse/Nursery Manager



NEXT STEPS



CONTACT US

Program Website

<https://cafs.famu.edu/academic/agronomy/index.php>

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At-A-Glance

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

Important Notes

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- Civics Literacy Requirement



RECOMMENDED PRE-TRANSFER COURSEWORK

YEAR 1

Fall	Spring
ENC 1101 Freshman Comm Skills I (3)	ENC 1102 Freshmen Comm Skills II (3)
BSC 1010 / 1010L General Biology I w/Lab (4)	BSC 1011/1011L General Biology II w/Lab (4)
SLS 1101 First Year Experience (2)	STA 3023 Intro to Probability & Statistics (3)
MAC 1105 College Algebra (3)	African American Requirement (AFA 3104/200 or AMH 2091) (3)
AGG 2004 Intro to Agricultural Sciences (1)	Civics Requirement (AMH 2010, AMH 2020, or POS 2041) (3)
ATE 1001 Intro to Veterinary Tech (1)	ATE 1741 Veterinary Medical Terminology (1)
Total: 14	Total: 17

YEAR 2

Fall	Spring
ATE 2110 /2110L Animal Anatomy I w/ Lab (4)	Social science gen ed elective (3)
CHM 1045/1045L General Chemistry I w/Lab (4)	CHM 1046/1046L General Chemistry II w/Lab (4)
ANS 3006 Intro to Animal Science (3)	ANS 3463 Feeds and Feeding (3)
Humanities Gen. Ed. Core Requirement (3)	ATE 2111/2111L Animal Anatomy II w/Lab (4)
Social Science Gen ed. Core Elective (3)	
Total: 17	Total: 14



JOB OUTLOOK

According to the U.S. Bureau of Labor Statistics, employment of veterinary technologists and technicians is projected to grow 9% from 2024 to 2034, which is much faster than the average for all occupations. The BLS projects approximately 14,300 job openings annually over the decade, driven by increased pet ownership and advancements in veterinary medicine.

Career Opportunities

Clinical Career Opportunities

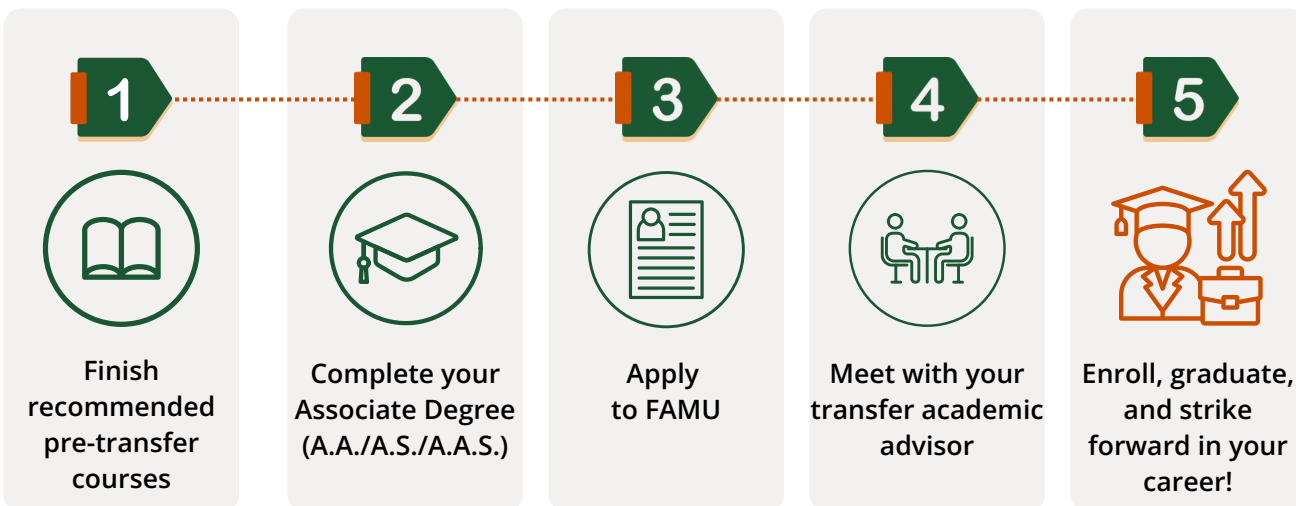
- Small/Large Animal or Equine Technician/Technologist
- Emergency and Critical Care Veterinary Technician
- Zoo and Exotic Animal Veterinary Technician
- Specialty Practice Technician (e.g. internal medicine, oncology, dentistry, cardiology)

Non-Clinical Career Opportunities

- Biomedical or Laboratory Animal Research Technologist
- Public Health and Regulatory Veterinary Technologist (USDA, FDA, state agencies)
- Animal Health Industry Representative
- Veterinary Practice Manager or Hospital Administrator



NEXT STEPS



CONTACT US

Program Website

<https://cafs.famu.edu/academic/animal-science-veterinary-technology.php>

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