

**Florida A&M University's College of Agriculture and Food Sciences
B.S. Degree in Agricultural Sciences (General) 31201**

Effective Summer 2022

CONCENTRATION IN ENTOMOLOGY

The Entomology concentration offers students the basic courses which provide students with scientific knowledge of insects and their interactions with people and the environment. Students will gain a better understanding of crop protection, forensic science and productivity of the food and agricultural industries

Students take any 12 credits from the following 23 credits of Entomology courses:

ENY 2001E Insects, People & Environment	3	ENY 3661C Medical Entomology	3
ENY 2006E Global Integrated Pest Management.	3	ENY 3222 Gen. Household Pests, Rodents, and Control	4
ENY 2570 Prin. of Environmental Entomology	3	ENY 3701C Forensic Entomology	3
ENY 3004L General Entomology Laboratory	1	ENY 4150 Systematic Entomology	3

CONCENTRATION IN FOOD SCIENCES

This concentration offers students the basic courses to obtain an overview of the application of science to foods and the changes that occur in them as humans use them in a safe and sustainable manner to support enjoyment and life.

Students take any 12 credits from the following 26 credits of Food Science courses:

FOS 2002 Food and People	3	FOS 4425 Food Manufactg & Storage	3
FOS 3410 Principles of Food Engineering	3	FOS 4454C Food Fermentation	3
FOS 4222C Food Microbiology & Safety	4	HUN 2401 Nutrition	3
FOS 4321C Food Analysis	4	HUN 3510 Community Nutrition	3

CONCENTRATION IN PLANT SCIENCES

The Plant Science concentration offers students the basic courses so that they may obtain an overview of the application of science to plants including growth, reproduction, evolution, and adaptation, as well as the use of plants for food, fiber, and ornamental purposes

Students take any 12 credits from the following 22 credits of courses in the Plant Sciences:

AGR 3210 Field Crop Science	3	BOT 1010L Elementary Botany Lab	1
AGR 3232 Pasture and Range Management	3	BOT 3503 Plant Physiology	3
AGR 4512 Plant Ecology	3	FOR 3093 Forestry. in Rural & Urb. Env.	3
AGR 4430C GIS and Rem. Sensing	3	GIS 1040 Introduction to GIS	3

CONCENTRATION IN SOIL SCIENCE

The Soil Science concentration offers students the basic courses so that they may obtain an overview of the formation, classification, mapping, physical, chemical, biological, and fertility properties of soils and their relation to the proper use and management of soils.

Mandatory Class: SWS 3022 – Nature and Properties of soils 3 credits

Plus, nine credits from any of the following courses in Soil Science listed below:

SWS 3022L Nature and Properties of Soil Lab	1	SWS 4602C Environmental Soil Physics	3
SWS 3211 Soil and Water Conservation	3	SWS 4732C Soil Survey	3
SWS 4131C Fertility and Fertilizers	3	AGR 4430 – GIS & Remote Sensing	3
SWS 4427C Soil and Plant Analysis	3		