

Integrated Crop Management

Major Advisors: Professor Frank B. Matta

Associate Professors: Brian Baldwin, David J Lang and Ted Wallace

Integrated Crop Management (ICM) is the study of food and fiber production utilizing ecologically sound and technologically advanced methods. Areas covered include basic concepts of plant science and specific practices in crop initiation, culture, harvesting, processing, distribution and marketing. Biotechnological and traditional methods of germplasm enhancement are taught. Specific program areas of study include agronomic crop production, crop science, fruit science, seed science, seed technology, and vegetable crop production. Students completing the Integrated Crop Management curriculum are prepared for careers as producers, consultants, technical representative plant breeders, extension agents, or inspectors with USDA and state agencies. This curriculum also provides a good background of basic sciences for those who wish to pursue graduate studies.

Freshman Year	
First Semester	Second Semester
EN 1103 English Comp I	EN 1113 English Comp II
MA 1313 College Algebra	Fine Arts Elective (3 hrs.)
Humanities Elective (3 hrs.)	PSS 1313 Plant Science
BIO 1203 Plant Biology	AEC 2713 Intro Food & Res. Econ.
CH 1043 General Chemistry I	CH 1053 General Chemistry II
Appr. Computer Sciences Elective (3 hrs.)	CH 1051 General Chemistry II Lab
18 Hours	16 Hours

Sophomore Year	
First Semester	Second Semester
PSS 3303 Soils	BIO 3304 General Microbiology
PSS 3301 Soils Laboratory	Approved Math Elective (3 hrs.)
CO 1003 Public Speaking	Humanities Elective (3 hrs.)
CH 2501 Elem. Organic Chemistry Lab	Social/Behavioral Science Elec. (3 hrs.)
CH 2503 Elem. Organic Chemistry	BCH 3613 Elementary Biochemistry

EPP 2213 Intro to Insects	
14 Hours	16 Hours

Junior Year	
First Semester	Second Semester
PSS 3133 Intro to Weed Science	Restricted Elective (3 hrs.)
AEE 3203 Intro Technical Writing	Restricted Elective (3 hrs.)
Restricted Elective (3 hrs.)	BIO 4214 General Plant Physiology
PO 3103 Genetics I	Restricted Elective (3 hrs.)
EPP 3113 Intro Plant Pathology	PSS 4313 Soil Fertility
15 Hours	16 Hours

Senior Year	
First Semester	Second Semester
Restricted Elective (3 hrs.)	Restricted Elective (3 hrs.)
Unrestricted Elective (3 hrs.)	Unrestricted Elective (3 hrs.)
AEC 3133 Intro to Agribusiness Management	Unrestricted Elective (3 hrs.)
Restricted Elective (3 hrs.)	AEC 3413 Principles of Ag Marketing
Restricted Elective (3 hrs.)	
15 Hours	12 Hours

Restricted Electives: Please consult with the appropriate faculty advisor for Restricted and Unrestricted Electives. Selection emphasizing the following program areas: Crop Science, Agronomic Crop Production, Vegetable Crop Production, Fruit Sciences. The Student must complete 24 Hours of Restricted Electives. Choose from the following:

EPP 4163 Plant Disease Mgt.	PSS 4133 Fiber and Oilseed Crops	PSS 4343 Greenhouse Mgt.
EPP 4263 Princ. Insect Mgt.	PSS 4143 Advanced Fruit Science	PSS 4363 Nursery Management
GA 1111 Survey of	PSS 4213 Seed Anal. & Lab	PSS 4414 Turfgrass

Agriculture	Prac.	Management
MA 1713 Calculus	PSS 4223 Seed Production	PSS 4444 Plant Tissue Culture
PSS 2423 Plant Materials I	PSS 4233 Seed Condi. Machinery	PSS 4453 Vegetable Production
PSS 3043 Fruit Science	PSS 4243 Seed Technolgy	PSS 4503 Plant Breeding
PSS 3423 Agronomy Internship	PSS 4253 Seed&Grain Dry Stor.	PSS 4603 Soil Chemistry
PSS 3923 Plant Propagation	PSS 4314 Soil Microbiology	PSS 4633 Weed Biology & Ecol.
PSS 4103 Forage and Pasture Crop	PSS 4323 Soil Classification	PSS 4813 Herbicide Technology
PSS 4123 Grain Crops	PSS 4333 Soil Conservation	3 hours Agribusiness Elect.