PRECISION AGRICULTURE MINOR

In the multidisciplinary Precision Agriculture minor, students use satellite imagery, aerial photography, field sensors, and the Global Positioning System to acquire information about field conditions. This information is organized and analyzed using a digital mapping system called Geographical Information System. After being analyzed, these data can help make effective management decisions.

About this Program

- **College:** Agricultural and Life Sciences (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/)
- **Credits:** 15 | Completed with minimum grades of C

Department Information

The Department of Agricultural and Biological Engineering is founded on developing, teaching, and applying engineering principles to improve and sustain agricultural and biological systems for current and future generations.
More Info (https://abe.ufl.edu/) | 352.392.1864 (tel) | 352.392.4092 (fax)

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Map (http://campusmap.ufl.edu/#/index/0474)

Curriculum

- Agricultural Operations Management
- Biological Engineering
- Combination Degrees
- Packaging Engineering Certificate
- Packaging Science Minor
- Precision Agriculture Minor

Required Courses

Code	Title	Credits
AOM 4434	Precision Agriculture (take this course first)	3
AOM 4455	Agricultural Operations and Systems	3
Crop Management and Field Techniques elective		3
Geographic Information Systems elective		3
Remote Sensing elective		3
Total Credits		**15**

Approved Electives

Crop Management and Field Techniques Electives

Code	Title	Credits
AGR 4214C	Applied Field Crop Production	3
AGR 4231C	Forage Science and Range Management	4
FAS 4305C	Introduction to Fishery Science	3
FNR 3410C	Natural Resource Sampling	3
FNR 4623C	Integrated Natural Resource Management	3
FRC 3212	Introduction to Citrus Culture and Production	3
GEO 3162C	Introduction to Quantitative Analysis for Geographers	4
IPM 3022	Fundamentals of Pest Management	3
PLP 3103C	Control of Plant Diseases	3
PLS 3004C	Principles of Plant Science	3
PLS 4601C	Principles of Weed Science	3
PLS 4613	Aquatic Weed Control	3
SWS 4231C	Soil, Water and Land Use	3
SWS 4715C	Environmental Pedology	4
STA 4222	Sample Survey Design	3

| SUR 3520 | Measurement Science | 3 |
| WIS 4945 | Wildlife Techniques | 3 |

Geographic Information Systems Electives

Code	Title	Credits
FOR 3434C	Forest Resources Information Systems	3
GIS 3072C	Geographic Information Systems	3
SUR 5365	Digital Mapping	3
URP 4273	Survey of Planning Information Systems	3

Remote Sensing Electives

Code	Title	Credits
AOM 5431	GIS and Remote Sensing in Agriculture and Natural Resources	3
SUR 3331C	Photogrammetry	3
SUR 4380	Remote Sensing	3
SUR 5385	Remote Sensing Applications	3