For majors in Agricultural Education; Agricultural Mechanization and Business; Animal and Veterinary Sciences; Agribusiness; Environmental and Natural Resources; Horticulture; Soils and Sustainable Crops Systems; Turfgrass; and Wildlife and Fisheries Biology, the Departmental Honors requirements consist of 12 semester hours as follows:

PES 4910  Senior Honors Research (3)
PES 4920  Senior Honors Research (3)

The additional six semester hours may be taken in any 3000- or 4000-level agriculture honors courses (see following list) or other life science honors courses approved by your academic advisor.

PES 3150  Environment and Agriculture (3)
PES 3190  Environmental Science (3)
PES 3200  Environmental Health (3)
PES 3400  Environmental Policy (3)
PES 4910  Senior Honors Research (3)
PES 4920  Senior Honors Research (3)

APEC 3090  Economics of Agricultural Marketing (3)
APEC 4520  Agricultural Policy (3)
APEC 4560  Prices (3)

AVS 3700  Principles of Animal Nutrition (3)
AVS 3750  Applied Animal Nutrition (3)
AVS 4010  Beef Production (3)
AVS 4120  Advanced Equine Management (3)
AVS 4140  Basic Immunology (3)
AVS 4530  Animal Reproduction (3)
AVS 4700  Animal Genetics (3)

ENT 4000  Insect Morphology (4)
ENT 4040  Urban Entomology (3)
ENT 4690  Aquatic Insects (3)

ETOX 4210  Chemical Sources & Fate in Environmental Systems (3)

FDSC 4010  Food Chemistry I (3)
FDSC 4200  Special Topics in Food Science (1-3)
FDSC 4210  Special Problems in Food Science (1-4)

GEN 3020  Molecular and General Genetics (3)
GEN 4100  Population and Quantitative Genetics (3)
GEN 4200  Molecular Genetics and Gene Regulation (3)
GEN 4400  Bioinformatics (3)
GEN 4500  Comparative Genetics (3)

HORT 4610  Advanced Landscape Garden Design (4)
HORT 4910  Senior Honors Research (3)
HORT 4920  Senior Honors Research (3)

NUTR 4010  Fundamentals of Nutrition (3)
NUTR 4250  Medical Nutrition Therapy II (4)

PKSC 3680  Packaging and Society (3)
PKSC 4040  Mechanical Properties of Packages & Principles of Protective Packaging (3)
PKSC 4640  Food and Health Care Packaging Systems (4)

PLPA 3200  Plant Pathology Research (1-3)

WFB 4120  Wildlife Management (3)
WFB 4620  Wetland Wildlife Biology (3)
WFB 4690  Aquatic Insects (3)
**Environmental and Natural Resources**

Departmental Honors in Environmental and Natural Resources requires at least 12 hours of honors credit taken as follows:

- **PES**
  - 4910 Senior Honors Research (3)
  - 4920 Senior Honors Research (3)
- **or**
  - **BIOL**
    - 4910 Undergraduate Research in Biological Sciences (2-4) at least six (6) hours, taken under a single research advisor over two semesters
- **or**
  - **FNR**
    - 4910 Senior Honors Thesis I (3)
    - 4920 Senior Honors Thesis II (3)

- **and**

Six (6) hours of honors credit taken from the following courses, or other 3000- or 4000-level honors courses approved by your advisor:

- **PES**
  - 3150 Environment and Agriculture (3)
- **APEC**
  - 3090 Economics of Agricultural Marketing (3)
  - 4520 Agricultural Policy (3)
  - 4560 Prices (3)
- **BIOL**
  - 3020 Invertebrate Biology (3)
  - 3030 Vertebrate Biology (3)
  - 3040 Biology of Plants (3)
  - 4000 Insect Morphology (4)
  - 4010 Plant Physiology (3)
  - 4060 Introductory Plant Taxonomy (3)
  - 4080 Comparative Vertebrate Morphology (3)
  - 4090 Comparative Vertebrate Morphology Laboratory (2)
  - 4110 Limnological Analyses (2)
  - 4140 Basic Immunology (3)
  - 4200 Neurobiology (3)
  - 4320 Animal Histology (3)
  - 4330 Animal Histology Laboratory (2)
  - 4400 Developmental Animal Biology (3)
  - 4410 Ecology (3)
  - 4420 Biogeography (3)
  - 4450 Ecology Laboratory (2)
  - 4460 Plant Ecology (3)
  - 4470 Plant Ecology Laboratory (2)
  - 4500 Developmental Biology Laboratory (2)
  - 4560 Medical and Veterinary Parasitology (3)
  - 4570 Medical and Veterinary Parasitology Laboratory (2)
  - 4580 Cell Physiology (3)
  - 4590 Systems Physiology (3)
  - 4610 Cell Biology (3)
  - 4700 Behavior Ecology (3)
  - 4750 Comparative Physiology (3)
4760  Comparative Physiology Laboratory (2)
4840  Human and Comparative Vertebrate Embryology (3)

ENT  4000  Insect Morphology (4)
     4040  Urban Entomology (3)
     4690  Aquatic Insects (3)

ENTX  4210  Chemical Sources & Fate in Environmental Systems (3)

GEN  3020  Molecular and General Genetics (3)
     4100  Population and Quantitative Genetics (3)
     4200  Molecular Genetics and Gene Regulation (3)
     4400  Bioinformatics (3)
     4500  Comparative Genetics (3)

HORT  4610  Advanced Landscape Garden Design (4)

WFB  4120  Wildlife Management (3)
     4620  Wetland Wildlife Biology (3)
     4690  Aquatic Insects (3)
Food, Nutrition, and Packaging Sciences

Departmental Honors in Food, Nutrition, and Packaging Sciences requires the following sequence of courses totaling 12 credit hours.

Directed Research in Food Science, Nutrition or Packaging Sciences for a total of six (6) credit hours over a period of two semesters under a single advisor.

FDSC 4950, 4951 Senior Honors Research and Lab
FDSC 4960, 4961 Senior Honors Research and Lab
-or-
NUTR 4950, 4951 Senior Honors Research and Lab
NUTR 4960, 4961 Senior Honors Research and Lab
-or-
PKSC 4950, 4951 Senior Honors Research and Lab
PKSC 4960, 4961 Senior Honors Research and Lab
-and-
Six (6) hours taken from the following honors courses or other 3000- or 4000-level agriculture or life sciences honors courses approved by your academic advisor.

FDSC 4010 Food Chemistry I (3)
FDSC 4020 Food Chemistry II (3)
FDSC 4200 Special Topics in Food Science (1-3)
FDSC 4210 Special Problems in Food Science (1-4)

NUTR 4510 Human Nutrition and Metabolism I (3)
NUTR 4240 Medical Nutrition Therapy I (4)
NUTR 4250 Medical Nutrition Therapy II (4)

PKSC 3680 Packaging and Society (3)
PKSC 4040 Mechanical Properties of Packages & Principles of Protective Packaging (3)
PKSC 4640 Food and Health Care Packaging Systems (4)

The Food, Nutrition, and Packaging Sciences Departmental Honors requirement includes completion of an advanced, mentored 2-semester research project under a single research advisor culminating in an advisor approved Honors thesis, in-depth written report or portfolio of work and an oral project summary presentation.

Forest Resource Management

Departmental Honors in Forest Resource Management requires the following sequence of courses totaling 8 credit hours:

FNR 4910 Senior Honors Thesis I (3)
FNR 4920 Senior Honors Thesis II (3)
And two (2) additional honors seminars, 1 credit hour each taken with an affiliated 4000-level course, from the following:

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Affiliated Course</th>
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<tr>
<td>FOR 4260</td>
<td>Forest Resource Management Plans Seminar (1)</td>
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<td>FOR 4250</td>
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<td>Silviculture Honors Seminar I (1) (taken with FOR 4650)</td>
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<tr>
<td>4630</td>
<td>Silviculture Honors Seminar II (1) (taken with FOR 4650)</td>
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