Major Requirements: Ecology A.B.

UGA Core Classes
Preferred or Required Classes in Each Area

I. Foundation Courses (9 hours)
   ENGL 1101 – English Composition I
   ENGL 1102 – English Composition II
   MATH 1113 – Precalculus

II. Sciences (7-8 hours)
   CHEM 1211, CHEM 1211L – Freshman Chemistry I and Lab
   BIOL 1107, BIOL 1107L – Principles of Biology I and Lab

III. Quantitative Reasoning (3-4 hours)
   GEOG 2011-2100L Introduction to Geographic Information Science
   CSCI 1210 Computer Modeling and Science

IV. World Languages and Culture, Humanities and the Arts (12 hours)
   Language courses (SPAN, FREN, PORT, etc) 1001 or 1110, 1002, 2001
   Humanities and the Arts, 3 hours

V. Social Sciences (9 hours)
   POLS 1101
   HIST 2111 or 2112
   One elective

VI. Major Related Courses (20 hours)
   BIOL 1108-1108L – Principles of Biology II and Lab
   ECOL 1000-1000L – Ecological Basis of Environmental Issues and Lab
   ECOL 2100 – Global Climate Change: Past, Present, and Future
   AAEC 2580 – Applied Microeconomics Principles or ECON 2106 – Principles of Microeconomics
   COMM 1100 – Introduction to Public Speaking
   ANTH 1102 – Introduction to Anthropology or GEOG 1103 – Cultural Geography of the United States

Major Requirements

Required courses (20 hours)
STAT 2000 Intro to Statistics
ECOL 3400 Professional Development for Ecological Careers
ECOL 3500-3500L or ECOL 3505-3505H Ecology
ECOL 3530 Conservation Biology
ECOL 3300 Applied Ecology Field Program
ECOL 4900 Environmental Practicum
ECOL 4950 Senior Seminar
Organismal/ Natural History Requirement (3-4 hours): Choose 1
ECOL 4050-4050L Ichthyology
ECOL 4070-4070L Invertebrate Biology and Ecology
ENTO 3140-3140L Insect Natural History
ENTO 4000-4000L General Entomology
PATH(PBIO) 4200-4200L Mycology
PBIO 4650- 4650L Plant Taxonomy
WILD 3580- 3580L Vertebrate Natural History
WILD 4040- 4040L Herpetology
WILD 4050- 4050L Ornithology
WILD 4050- 4050L Mammalogy

Methods or Skills Requirement (3-4 hours): Choose 1
CRSS(FANR) 3060-3060L Soils and Hydrology
ECOL 3510 Ecology Laboratory
ECOL 4940** Internship
ECOL 4960 or 4960H** Research
ECOL(MARS) 4225-4225L Methods in Marine Ecology
ECOL 4310-4310L Freshwater Ecosystems
FANR 3800,- 3800L Spatial Analysis of Natural Resources and Laboratory
GEOG 4370- 4370L Geographic Information Science
STAT 4210 Statistical Methods

Major Electives (9-12 hours)
Choose 3 courses. At least one course must be from Group A:

Group A
ECOL 3000-3000L Introduction to Field Methods
ECOL 3100-3100L Tropical Field Ecology
ECOL 3220 Biology & Conservation of Marine Mammals
ECOL 3480 Special Topics in Ecology
ECOL 3510 Ecology Laboratory
ECOL 3520 Ecological Applications
ECOL 3600 Tropical Ecology: From Organisms to Ecosystems
ECOL 3880H Ecosystems of the World
ECOL 3900* or ECOL 3900H* Directed Reading
ECOL 4050-4050L Ichthyology
ECOL 4070-4070L Invertebrate Biology and Ecology
ECOL 4130L Ecological Methodology
ECOL(BIOL)(MARS) 4330-4330L Tropical Marine Invertebrates
ECOL 4160 Ecology of North America
ECOL (FANR) 4220 Foundations of Restoration Ecology
ECOL(MARS) 4225-4225 Methods in Marine Ecology
ECOL 4240-4240L Physiological Ecology
ECOL(FISH)(WASR) 4310-4310L Freshwater Ecosystems
ECOL(BIOL)(MARS) 4330-4330L Tropical Marine Invertebrates
ECOL 4500 Evolutionary Ecology
ECOL(PBIO) 4520 Plant-Animal Interactions
ECOL 4540 Behavioral Ecology
ECOL 4940 ** Internship
ECOL 4960** or ECOL 4960H** Research
ECOL 4990** or ECOL 4990H** Senior Thesis

Group B:
AAEC 3020 Analysis of Agribusiness and Natural Resources Issues
AAEC 3400 Introduction to Agricultural Policy
ALDR(AFST)(LACS) 4710 International Agricultural Development
ANTH 3040 or 3045L Introduction to Biological Anthropology
ANTH 3090 Evolution of Human Ecosystems
ANTH 3100 Peoples of the World
ANTH 3200 How the World Works: Anthro. of Consumption & Globalization
ANTH 3235 Anthropology of Roots and Rooting
ANTH 3265 Introduction to Cultural Anthropology
ANTH 3541 Anthropology of Eating
ANTH 4010 Historical Ecology
ANTH 4015 Landscapes and Memories
ANTH 4070 Cultural Ecology
ANTH 4100 Evolution and Human Behavior
ANTH(BIOL)(EEETH)(ENTO)(FANR)4261- Natural History Internship
ANTH 4290 Environmental Archaeology
ANTH(PBIO) 4300-4300L Ethnobotany
CMLT 3210 Ecocriticism
CMLT 4835 Environmental Literature
COMM 3200 Business and Professional Communication
COMM 3320 Environmental Communication
COMM 3600 Small Group Communication
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<td>CRSS 4350</td>
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<td>CRSS 3540</td>
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* Maximum of 3 credit hours of ECOL 3900 or ECOL 3900H may count towards Major Requirements.
**Maximum of 1 credit hour of ECOL 3910 may count towards Major Requirements.
***Maximum of 7 credit hours of ECOL 4940, (ECOL 4960 or ECOL 4960H), (ECOL 4990 or ECOL 4990H) in any combination may count towards Major Requirements.