April 23, 2004

Fax To: Fiona Liken
2-0435

From: David A. Knauf

Subject: Areas of Emphasis for Biological Sciences Major

This is to follow-up our letter on April 22 regarding Areas of Emphasis for the Biological Sciences Major.

For the Plant Science Area of Emphasis, please replace the 19 hours of Major Electives with the 24 hours required for the Area of Emphasis. Reduce the number of General Electives from 15-19 to 10-14.

For the Entomology Area of Emphasis, please replace the 19 hours of Major Electives with the 19 hours required for the Area of Emphasis. The 19 hours of Major Electives is to include PHYS1112-112L and 15 hours of additional course work.

Thank you for your assistance with this matter. Please feel free to contact our office if you need any further information.

DAK/egm

c: Joe Broder
    Mike Lacy
    Donn Shilling
    John Sherwood
    Joe McHugh
PROPOSAL FOR AN AREA OF EMPHASIS

School/College: College of Agricultural and Environmental Sciences
Department/Division: Interdisciplinary
Major: Biological Sciences

If major has more than one area of emphasis submit all areas of emphasis under one major together. A course may appear in more than one area of emphasis, but each area of emphasis should have a distinct focus.

Major Requirements: Attach a list of all courses required for the major.

Area of Emphasis Title (as it will appear in the Bulletin): Plant Sciences

Proposed starting date: August 2004
Area of Emphasis Description:

Include prefixes, numbers (must be 3000-4000 level); and titles of required courses; total credit hours (must be 12 or more hours); residency requirements (if any); and grade requirements (if any):

Justification:

The establishment of a Plant Science Area of Emphasis (AOE) is proposed in response to the University Administration’s efforts to reduce the number of low-enrollment majors. Two programs in Crop Science and Plant Health have been deactivated because of the concerns. The curricula in these two programs were similar. The faculty in each department (Crop & Soil Sciences and Plant Pathology) have voted to create a single AOE in Plant Sciences that would logically be nested in Biological Sciences. This AOE will provide the only general curricula in plant sciences in the College of Agricultural and Environmental Sciences.

Signatures:  
Charles W. Munn  Plant Pathology  3/16/04
Donald Kelly  Crop & Soils Sciences  3/16/04
Department Head  Temporary Department  3/22/04  Date

School/College Curriculum Committee Chair  School/College  Date

Dean  School/College  Date

University Curriculum Committee Chair
Date
PROPOSED
CURRICULUM REQUIREMENTS

PLANT SCIENCE AREA OF EMPHASIS
Biological Sciences Major

PLANT SCIENCE AREA OF EMPHASIS (24 hrs*)

1) Required Courses (11 hrs)

   PHYS 1112-1112L (4 hrs), Physics-Electricity and Magnetism, Optics, Modern Physics
   CRSS 2010 (3 hrs), Crop Science
   CRSS 2010L (1 hr), Crop Science Laboratory
   PATH 3530-3530L (3 hrs), Introductory Plant Pathology

2) Also choose 13 hours from the following list.

   CRSS(FORS) 3060-3060L (4 hrs), Soils and Hydrology
   CRSS 4040 (3 hrs), Plant Breeding
   CRSS(PBIO) 4210 (3 hrs), Seed Physiology
   CRSS(ENTO) 4250-4250L (3 hrs), Pesticide Management and Utilization
   CRSS 4260 (3 hrs), Forage Management and Utilization
   CRSS 4270 (1 hr), Seminar
   CRSS 4340 (3 hrs), Weed Science
   CRSS 4340L (1 hr), Weed Science Laboratory
   CRSS 4400 (3 hrs), Crop Ecology
   CRSS(HORT) 4590-4590L (4 hrs), Soil Fertility and Plant Nutrition
   CRSS(HORT)(ECOL)(ANTH) 4930 (3 hrs), Agroecology of Tropical America
   CRSS(HORT)(ECOL)(ANTH) 4931 (3 hrs), Agroecology of Tropical America Field Trip
   PATH(ANTH)(PBIO) 3010 (4 hrs), Fungi: Friends and Foes
   PATH(CRSS)(ENTO) 3500 (3 hrs), Turfgrass Pest Management
   PATH 4200-4200L (3 hrs), Introductory Mycology
   PATH 4280-4280L (4 hrs), Diagnosis and Management of Plant Diseases
   PATH 4300 (2 hrs), Clinical Plant Pathology
   PATH(ENTO) 4360 (3 hrs), Ornamental Pest Management
   PATH(CRSS)(ENTO) 4740-4740L (3 hrs), Integrated Pest Management
   PGEN 3580 (3 hrs), Principles of Genetics

*PHYS 1112-1112L is already a required course in the major and is included for the purpose of demonstrating how the Plant Science Area of Emphasis will be depicted on a Degree Audit Graduation Sheet. The Plant Science Area of Emphasis is therefore actually comprised of 20 hours of plant sciences related courses.
PROPOSAL FOR AN AREA OF EMPHASIS

School/College: Agricultural and Environmental Sciences

Department/Division: Interdisciplinary study

Major: Biological Science

If major has more than one area of emphasis submit all areas of emphasis under one major together. A course may appear in more than one area of emphasis, but each area of emphasis should have a distinct focus.

Major Requirements: Attach a list of all courses required for the major.

Please see attached sheets.

Area of Emphasis Title (as it will appear in the Bulletin): Entomology

Proposed starting date: August 1, 2004

Area of Emphasis Description:

Include prefixes, numbers (must be 3000-4000 level); and titles of required courses; total credit hours (must be 12 or more hours); residency requirements (if any); and grade requirements (if any):

Justification:

The establishment of an Entomology Area of Emphasis (AOE) is proposed in response to the University Administration’s efforts to reduce the number of low-enrollment majors. Because the highly specialized field of Entomology is logically nested within the more general field of Biology, it seems appropriate that an Entomology AOE be established in the Biological Science major. In this way undergraduates can continue to come to the University of Georgia to study Entomology, without the Entomology program contributing to any problems associated with low-enrollment majors.

Signatures:

MP Bangle
Department Head

Poultry Science/Biological Science 3-10-04

Department

Date

CAES

School/College Curriculum Committee Chair

School/College

Date

Dean

School/College

Date

University Curriculum Committee Chair

Date
PROPOSED CURRICULUM REQUIREMENTS

ENTOMOLOGY AREA OF EMPHASIS
Biological Sciences Major

Major Electives - 19 hours
PHYS 1112-1112L

Fifteen hours of upper division courses in the College of Agricultural and Environmental Sciences

ENTOMOLOGY AREA OF EMPHASIS (15 hours)
A grade of “C” or higher is required for the following courses

ENTO 4000-4000L

Also choose from the following list. You may use a maximum of 4 credit hours of ENTO 4960 and 3 credit hours of ENTO 3900 and ENTO 4261.

ENTO 3140-3140L. Insect Natural History. 4 hours
(ENTO)CRSS(PATH) 3500. Turfgrass Pest Management. 3 hours
ENTO(BIOL)(ECOL)(EHSC)(LAND) 3590-3590L. Urban Entomology. 4 hours
ENTO 3650-3650L. Medical Entomology. 4 hours
ENTO 3740-3740L. Insect Pest Management. 4 hours
ENTO 3820-3820L. Forest Protection Entomology. 2 hours
ENTO 3900. Special Problems in Entomology. 1-3 hours
ENTO 4000/6000-4000L/6000L. General Entomology. 3 hours
ENTO 4010/6010-4010L/6010L. Insect Taxonomy. 5 hours
ENTO(EHSC) 4050-4050L. Biomonitoring: Freshwater Invertebrates. 4 hours
ENTO(EHSC) 4060-4060L. Ecotoxicology. 4 hours
(ENTO)BCMB(BTEC) 4200/6200. Biotechnology. 3 hours
ENTO(CRSS) 4250/6250-4250L/6250L. Pesticide Management and Utilization. 3 hours
(ENTO)ANTH(BIOL)(ECOL)(PBIO) 4260/6260-4260L/6260L. Natural History Collections Management. 4 hours
(ENTO)(ANTH)(BIOL)ECOL(EETH)(FORS)(GEOL)(PATH)(PBIO) 4261. Museum of Natural History Internship. 3 hours

ENTO 4300/6300-4300L/6300L. Bee Biology, Culture, and Management. 3 hours

ENTO 4350-4350L. Crop-Specific Insect Management. 4 hours

(ENTO)PATH 4360/6360. Ornamental Pest Management. 3 hours

ENTO 4400/6400-4400L/6400L. Insect Behavior. 3 hours

ENTO 4500-4500L. Biological Control of Pests. 3 hours

ENTO(CRSS)(PATH) 4740/6740-4740L/6740L. Integrated Pest Management. 3 hours

ENTO 4820/6820-4820L/6820L. Entomology in Natural Resources Management. 3 hours

ENTO 4960. Undergraduate Research in Entomology. 4 hours

ENTO 5730/7730-5730L/7730L. Entomology for Teachers. 3 hours