

A minor in mathematics may be obtained by completing a minimum of 15 credit hours of course work in mathematics beyond any mathematics courses required by a student's major. The program of a student who minors in mathematics must in any case include at least 2 semesters of Calculus.

## **NATURAL RESOURCES AND BIOSYSTEMS MANAGEMENT**

*Faculty:*

Barbara D. Muse, Chairperson  
Richard Cowhig  
Steven S. DeBroux  
Howard Eyre  
Lawrence D. Hepner, Jr.  
Douglas T. Linde  
Mingwang Liu  
John D. Martin  
Eve S. Minson  
Ronald R. Muse

The impact of humans on the planet is becoming increasingly evident. Now as never before, we are using the resources of our planet to provide more food, more clean water, more energy, and aesthetically pleasing living environments for an ever increasing population. Students within this department acquire the knowledge and skills that will enable them to be responsible productive citizens of the earth. Biosystems Management deals with the interaction of humans and natural systems to develop functional connections for food production, water use, waste management, fuel generation, aesthetics and other uses of natural resources to meet human needs in a sustainable fashion. Within Natural Resources and Biosystems Management, there are three degree areas of study: Agronomy and Environmental Science; Horticulture; and Ornamental Horticulture and Environmental Design. Together the three degree areas offer a total of nine different majors.

Agronomy & Environmental Science — page 39

- Environmental Science
- Crop Science
- Turf Management

Horticulture — page 82

- Commercial Crop Production & Marketing/Plant Health Management
- Plant Science & Biotechnology
- Hydroponic Crop Science

Ornamental Horticulture & Environmental Design — page 85

- Environmental Design
- Floriculture & Nursery Production & Marketing
- Landscape Contracting and Management

## **ORNAMENTAL HORTICULTURE AND ENVIRONMENTAL DESIGN (OH)**

*Faculty:*

Barbara D. Muse, Chairperson  
Mingwang Liu, Assistant Chairperson  
Richard Cowhig  
Howard Eyre  
John D. Martin  
Eve S. Minson

The Department of Ornamental Horticulture and Environmental Design is future oriented. Our programs reach far beyond aesthetics to address the issues which will positively affect our tomorrows and help shape a healthier, more beautiful and livable world. The curriculum reflects the career diversity, importance and ecological foundation of our programs, and has been designed to prepare people for a profession and for life. Programs of study are rich in the basic sciences and mathematics, liberal arts, and the plant and environmental sciences. Course work within the major starts in the freshman year so that professional development can begin immediately.

The curriculum is designed to allow each student to develop strength and depth in a career area specialty: Floriculture and Nursery Production and Marketing, Landscape Contracting and Management, or Environmental Design (specialization descriptions and requirements are outlined on the following pages). Yet, all students receive a skill overview of the entire field. Ample curriculum flexibility is provided so that students can elect additional science, professional or business courses. Students can minor in any major offered on campus, and special minors are also offered in Landscape Management and Plant Biotechnology. This flexibility and interdisciplinary approach helps a student develop a background which best fits his or her personal career objectives.

The College operates approximately 30,000 square feet of greenhouses including the ultra-modern, computerized Arthur Poley Greenhouse Complex completed in 1998. It also operates a field/container landscape nursery operation, lath houses, and a propagation facility which are used extensively in teaching.