



Twin Cities Campus

Integrated Pest Management in Cropping Systems Minor

College of Food, Agri & Natural Resource Sciences

College of Food, Agricultural and Natural Resource Sciences

• **Students will no longer be accepted into this program after Summer 2018. Program requirements below are for current students only.**

- Program Type: Undergraduate free-standing minor
- Requirements for this program are current for Summer 2018
- Required credits in this minor: 20 to 21

Students in this interdisciplinary minor learn how the environment and cropping systems interact with the biology of the major agronomic or horticultural crop pests. Students also learn to select and apply efficient, economically and environmentally sound pest management tactics. Courses come from agronomy and plant genetics, entomology, horticultural science, plant pathology, and soil, water, and climate. The minor provides sufficient knowledge and skills for employment in agricultural crop protection, product development and sales, crop management consultation, pest regulation, research, or application of agricultural crop protection materials. Students must complete 20 credits for this minor.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Minor Requirements

Minor Courses Required

- [AGRO 4505](#) - Biology, Ecology, and Management of Invasive Plants (3.0 cr)
- [ENT 1005](#) - Insect Biology with Lab [BIOL] (4.0 cr)
- [PLSC 3005W](#) - Introduction to Plant Physiology [WI] (4.0 cr)
- [PLPA 2001](#) - Introductory Plant Pathology (3.0 cr)

Course List - Management and Applied Courses

Take 6 or more credit(s) from the following:

- [AGRO 2501](#) - Plant Identification for Urban and Rural Landscapes (1.0 cr)
- [AGRO 4605](#) - Strategies for Agricultural Production and Management (3.0 cr)
- [AGRO 4888](#) - Issues in Sustainable Agriculture (2.0 cr)
- [CFAN 3001](#) *{Inactive}* (3.0 cr)
- [CFAN 2333](#) - Insects, Microbes, and Plants: Ecology of Pest Management [TS] (3.0 cr)
- [ENT 4001](#) - Agroecology and Insect Pests (3.0 cr)
- [ENT 5341](#) - Biological Control of Insects and Weeds (3.0 cr)
- [HORT 4061W](#) - Turfgrass Management [WI] (3.0 cr)
- [HORT 5032](#) *{Inactive}* (3.0 cr)
- [PLPA 5660](#) - Plant Disease Resistance and Applications (3.0 cr)