

AGRONOMY, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Description

Agronomy is concerned with the principles and practices of field crop production and the conservation of soils and land resources. Areas of emphasis include crop production and protection, plant breeding, forage management, nutrient management, and soil conservation and fertility. Education in this minor emphasizes the principles of plant and soil management and the basic sciences upon which these principles are grounded. A minor in agronomy can complement several majors, and will enhance career opportunities in farm management and the agricultural industry. Employment possibilities include:

- farm chemical and fertilizer store managers,
- sales representatives,
- field and laboratory technicians,
- crop management consultants,
- extension agents,
- soil and water conservationists, and
- inspectors for various state and federal regulatory agencies.

What is Agronomy?

Agronomy is the science of field crop production and the conservation and management of soil and land resources. The Agronomy minor is designed to provide students with an overview and an in-depth understanding of the principles and practices of agronomy. Students will gain an understanding of plant and soil science as it relates to forage crop production and management, nutrient management and soil conservation, and fertility. The Agronomy minor complements several majors across the university and will enhance career opportunities in the agricultural industry.

MORE INFORMATION ABOUT AGRONOMY (<https://agsci.psu.edu/academics/undergraduate/minors/agronomy/>)

You Might Like This Program If...

You are interested in plant science, ecology, resource protection, and growing crops for fuel, feed and fiber.

Program Requirements

Requirement	Credits
Requirements for the Minor	18

Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/#59-10>). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

Code	Title	Credits
Prescribed Courses		
<i>Prescribed Courses: Require a grade of C or better</i>		

AGRO 28	Principles of Crop Management	3
SOILS 101	Introductory Soil Science	3

Additional Courses

Additional Courses: Require a grade of C or better

Select 6 credits of the following: 6

AGRO 410W	Physiology of Agricultural Crops	
AGRO 423	Forage Crop Management	
AGRO 425	Field Crop Management	
AGRO 438	Principles of Weed Management	
SOILS 402	Soil Nutrient Behavior and Management	

Supporting Courses and Related Areas

Supporting Courses and Related Areas: Require a grade of C or better

Select 5-6 credits in consultation with an adviser 5-6

Academic Advising

The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee's unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy/>)

University Park

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Career Paths

The minor will prepare students for careers related to farm management, plant science research, soil and water resource conservation, cooperative extension, crop protection and management, or for positions with regulatory agencies within the agricultural sector.

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES WITH A MINOR IN AGRONOMY (<https://www.agronomy.org/careers/>)

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (<https://plantscience.psu.edu/graduate/>)

Contact

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<https://plantscience.psu.edu/about/contact> (<https://plantscience.psu.edu/about/contact/>)