

AGRONOMY

AT UW-MADISON



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WHAT IS AGRONOMY?

Worldwide, the number of mouths to feed is growing, but food production creates great stress on the environment and climate. It's the job of agronomists to find ways to provide people with a nutritious diet, while improving the environment and mitigating climate change. It's a big challenge! Agronomy is the science and practice of growing plants that feed the world and doing it in a way that improves the planet. Our students, staff, and faculty do research, teaching, and Extension on ways to produce crops that feed the world, while promoting biodiversity, building soil, improving water resources and sequestering carbon. Agronomy brings together biological sciences, ecology, and soil, water, and atmospheric sciences. We strive to create an inclusive and diverse environment and encourage you to join us as we create a better world.

THE NUMBERS

9 BILLION

People to feed by 2050

61

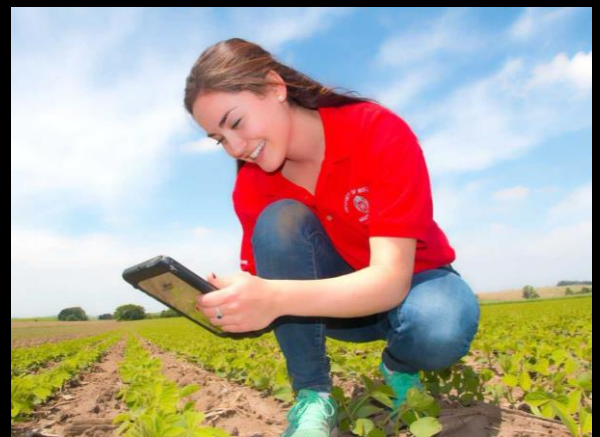
Agronomy graduates for every 100 jobs each year

\$44,970

Avg 1st year salary for agronomy majors

WHAT CAN I DO?

With expertise in food, agriculture, renewable natural resources, or the environment, you can address the U.S. priorities of food security, sustainable energy, and environmental quality. Graduates in these professional specialties not only provide answers and leadership to meet these growing challenges in the United States, but also exert global leadership in providing sustainable and organic food systems, clean and abundant water resources, and renewable energy to a world with a growing population and changing climate.



CAREERS

Researcher, Plant Breeder/Geneticist, Biotechnologist, Certified Crop Advisor, Crops Management Consultant, Plant and Animal Inspector, Farmer, Agricultural Extension Educator, Bioinformatics Professional, Land Use Consultant, Agricultural Economist, Lab Technician, Weed Scientist, Farm Supply Sales Representative, Organic Certifier, Farm Loan Officer, and more.



Department of Agronomy

UNIVERSITY OF WISCONSIN-MADISON

ADMISSIONS

The Agronomy Department has no special admission requirements beyond admission to the university. We encourage you to make an appointment with the Agronomy academic advisor or contact our office to discuss requirements and complete the paperwork before declaring your major.



MAJOR REQUIREMENTS

MATH

Math 112 + 113 or 114

STATS

Select one:
Stats 224, 301, 371, 541, 571 or
Comp Sci 302

CHEMISTRY

Chem 103 + 104 or 109

ECONOMICS

Select one: AAE 215, Econ 101 or 111

CAPSTONE

Agronomy 500

BIOLOGY

Select one: Botany 130+Zoology 101+102 or Biology 151+152 or Biocore 381, 382, 383, +384

ELECTIVES

Complete 14 credits of additional Agronomy coursework

CORE

Complete all: Agronomy 100, Soils 301, Plant Pathology 300, Genetics 466 or Agronomy 338, Entomology 302 or 351, Agronomy 370 or F&W 455 or Botany 460 or Entomology 342 or Envir Sci 361

FOUNDATION

Complete 8 credits in the following categories: Ag Social Sci, Animal Science, Atmospheric Sci, Bio Systems Engineering, Food Science, Management, Nutri Sci, Soil Science, Bacteriology, Biochemistry, Genetics, Ecological Sciences

GET INVOLVED

Badger Crops Club
Collegiate FFA
WISILI
AWA
Study abroad
Research and internship Opportunities

FOLLOW ALONG!



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