AGRONOMY (CERTIFICATE)

This certificate expands the current credentials offered by the Department of Agronomy and Horticulture to enhance access, lifelong learning, professional advancement, and flexibility.

Description

The Agronomy Graduate Certificate creates the opportunity for students to gain graduate level knowledge across agronomic topics. Individuals interested in gaining agronomic credentials for their full-time career and those who may be interested in pursuing an MS degree in the future. Individuals will develop advanced knowledge related to agronomic sciences and practices and agronomic decision-making ability in their profession.

Program-Related Information

Graduate Chair

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Program Website

https://agronomy.unl.edu/

Applying for Admission

Standard requirements for all graduate programs

- Application for Admission with $50 non-refundable application fee (https://graduate.unl.edu/admissions/requirements/#appfee).
- Transcripts (https://graduate.unl.edu/admissions/requirements/#transcripts) (unofficial): Uploaded as part of application form.

  If International: Uploads must include all college- or university-level transcripts or mark sheets (records of courses and marks earned), with certificates, diplomas, and degrees plus certified English translations.

  After admission: Official documents are required from all students who are admitted and enroll. Photocopies of certified records are not acceptable. International students enrolled in other U.S. institutions may have certified copies of all foreign records sent directly to the Office of Graduate Studies by their current school's registrar office.
- If applicant's native language is not English, verification of English proficiency (https://graduate.unl.edu/admissions/english-proficiency/) is required.

  When sending TOEFL scores, our institution code is 6877 and a department code is not needed.
- If applicant is not a US citizen and expects an F or J visa: financial information (https://graduate.unl.edu/prospective/international/financial/).
- Applicants must also fulfill any additional requirements the department specifies at the time of application.

Additional requirements specific to this program

- Personal Statement
- Academic Eligibility:
  - Bachelor's degree from an accredited college or university in a STEM related discipline, with a GPA of 3.0+
  - One semester of each of the following 5 areas: plant production or plant systems management, biological sciences, chemistry, algebra, soil science.

Certificate programs are not considered degree programs, so international students should be aware that admission to this program is ineligible for immigration forms for an F-1 student visa.

Admission Application Deadlines

- Spring admission: 1 week before the semester begins
- Summer admission: 1 week before the 3 week/8 week session begins
- Fall admission: 1 week before the fall semester begins

Requirements

Complete 12 credit hours from the course listing below:

AGRO 809A	Case studies in plant breeding: Breeding for Disease Resistance	1
AGRO 809B	Case Studies in plant breeding: Transgenic strategies for disease resistance	1
AGRO 811	Crop Genetic Engineering	2
AGRO 812	Crop and Weed Genetics	2
AGRO 821	Learning Biotechnology	3
AGRO 822	Integrated Weed Management	2
AGRO 825	Cover Crops in Agroecosystems	3
AGRO 826	Invasive Plants	3
AGRO 829	Plant Biotechnology Applications	3
AGRO 831	Spatial Variability in Soils	2
AGRO 832	Learning Plant Science	3
AGRO 835	Agroecology	3
AGRO 845	Livestock Management on Range and Pasture	3
AGRO 846	Forage Quality	3
AGRO 855	Soil Chemistry and Mineralogy	3
AGRO 860	Soil Microbial Ecology	3
AGRO 862	Cannabis Growth, Production and Breeding Basics	2
AGRO 872	Applied Soil Physics	3
AGRO 878	Plant Anatomy	4
AGRO 888	Entrepreneurship and Enterprise Development	3
AGRO 906	Crop Growth and Yield Modeling	3
AGRO 931	Population Genetics	3