Agriculture

The agriculture degree program is for students searching for a well-rounded education that builds on the diversity of other degrees programs in the College of Agriculture, Food and Natural Resources (CAFNR). The flexibility of agriculture degree enables students to tailor a program to fit their individual interests and career goals. Students earn a Bachelor of Science in Agriculture. This major offers and emphasis in Sustainable Agriculture (https://majors.missouri.edu/agriculture-sustainable-agriculture-bs).

Sustainable agriculture meets the needs of both farmers and consumers by creating agricultural systems that produce food for a growing population in a way that protects the environment and supports healthy, dynamic communities. Increasingly, farmers are looking for creative ways to increase and diversify farm income, while consumers are seeking sustainably raised food produced close to home. A Bachelor of Science degree in Agriculture with an emphasis in Sustainable Agriculture provides the skills and knowledge to incorporate economic viability, environmental stewardship, and social responsibility in food and farming systems. Some of the areas studied include: theory and practice of sustainable agriculture, community food systems, advanced sustainable production systems, and an introduction to soils. Some career opportunities include production, sales and marketing, government, and non-governmental organizations.

Faculty

See Listing for Faculty in areas of concentration by referring to the degree listings available under the College of Agriculture, Food and Natural Resources.

Undergraduate

- BS in Agriculture (http://catalog.missouri.edu/undergraduate/collegeofagriculturefoodandnaturalresources/agriculture/bs-agriculture)
  - with emphasis in Sustainable Agriculture (http://catalog.missouri.edu/undergraduate/collegeofagriculturefoodandnaturalresources/agriculture/bs-agriculture-emphasis-sustainable-ag)

Students may choose to get a BS in Agriculture without the emphasis.

Dickinson Student Achievement Center
2-64 Agriculture Building
(573) 882-8301
www.cafnr.missouri.edu

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Students choose agriculture for a variety of reasons. Some may enter the program with a specific career goal in mind. Others may choose agriculture to obtain a broader education that will give them more flexibility.

Graduate

While the College of Agriculture, Food and Natural Resources does not offer a graduate degree in Agriculture, the College does offer graduate degrees and certificates in a number of disciplinary areas. The catalog provides a complete list of these degree options (http://catalog.missouri.edu/degreesanddegreeprograms) for all Schools and Colleges that make up the University of Missouri.

AFNR 1115: Foundations for College Success
An investigation of principles and practices associated with academic success and the interpersonal challenges encountered in collegiate life. Learning preferences, time investment, study skills, degree requirements, and personal development opportunities available in the College and across campus are explored. Graded on A-F basis only.

Credit Hour: 1
Prerequisites: Instructor's consent

AFNR 1120: Computing and Information Technology
Provides students with a basic understanding of computer usage, electronic communications and use of the internet. Topics include understanding of operating systems, word processing, and presentation media.

Credit Hours: 2
Prerequisites: Restricted to freshmen and sophomores

AFNR 2115: College to Career: Strategies for Success
Systematic approach to self-assessment, career research and exploration, goal-setting and implementation of a career development plan. Students will learn specific skills, research knowledge and lifelong career management techniques.

Credit Hour: 1

AFNR 2120: Working with Data Using Excel
Provide students with a basic understanding of computer usage and spreadsheet applications.

Credit Hour: 1

AFNR 2190: International Agriculture and Natural Resources
This course is designed to provide students with an introduction into the agriculture/natural resources of the host country. Activities may include course work at an international institution, professional and personal development and special projects. Selected sections of this course may be graded either on A-F or S/U basis only.

Credit Hour: 1-15
Prerequisites: instructor's consent

AFNR 2191: International Agriculture and Natural Resources - Humanities
This course is designed to provide students with an introduction to valuing and appreciating the culture and philosophy entrenched in the host country's civilization through the examination of its arts, culture, language and history. May be repeated for credit. Selected sections of the course may be offered on A-F or S/U basis only.

Credit Hour: 1-6
Prerequisites: Instructor's consent
AFNR 2191W: International Agriculture and Natural Resources - Humanities - Writing Intensive
This course is designed to provide students with an introduction to valuing and appreciating the culture and philosophy entrenched in the host country's civilization through the examination of its arts, culture, language and history. May be repeated for credit. Selected sections of the course may be offered on A-F or S/U basis only.

Credit Hour: 1-6
Prerequisites: Instructor's consent

AFNR 2192: International Agriculture/Natural Resources-Social Science
This course is designed to provide students with an examination of the social sciences of the host country; including the sociology, psychology, economics, government, and history of the country; including the dynamics of urban and rural communities. May be repeated for credit. Selected sections of this course may be graded either on A-F or S/U basis only.

Credit Hour: 1-6
Prerequisites: instructor's consent

AFNR 2215: Introduction to the Theory and Practice of Sustainable Agriculture
This experiential course provides an overview of the theoretical and practical principles of sustainable agriculture by exploring the holistic nature of sustainable agriculture, and analyzing agriculture systems based on their impact on the environment, economy and community.

Credit Hours: 3

AFNR 3215: Community Food Systems
This course focuses on essential concepts in the research, implementation and understanding of food systems, with topics ranging from micro-level local, community and regional food systems to macro-level global trends in food production and distribution. Students examine the social, economic and health implications of conventional and alternative food systems as well as specific U.S. policies and programs relevant to our present food systems. Particular focus is on the growing proliferation of alternative marketing schemes, food sovereignty issues, and the relationships between community food systems, and contemporary health and nutritional issues.

Credit Hours: 3
Recommended: AFNR 2215

AFNR 3315: Advanced Practices in Sustainable Agriculture
Course furthers students' understanding of sustainable production systems with an emphasis on stewarding natural resources (soil, water, biodiversity and energy) while maintaining and economically profitable enterprise that provides for a good quality of life.

Credit Hours: 3
Recommended: AFNR 2215; SOIL 2100

AFNR 4001: Topics in Agriculture-General
Topics in Agriculture-General
Credit Hour: 1-99

AFNR 4972: Capstone Project in Agriculture, Food and Natural Resources
A culminating learning experience focused on student's area of concentration that requires the application of knowledge and skills taught in the undergraduate curriculum. The capstone project comprises independent, original work culminating in a scholarly project, written document, and/or presentation. Graded on S/U basis only.

Credit Hour: 1-3
Prerequisites: instructor's consent
Recommended: junior or senior standing

AFNR 4993: Internship in Agriculture, Food and Natural Resources
Field-based learning experience combining the study, observation, and employment with a business, organization, or governmental agency. The internship provides opportunities to apply skills, concepts and theories about agriculture, food and natural resources in a practical context. The student intern, internship supervisor, and university coordinator will develop an individualized internship plan. May be repeated for credit. Some sections may be graded on either an A-F or S/U basis only.

Credit Hour: 1-6
Prerequisites: instructor's consent
Recommended: junior or senior standing

AFNR 7190: International Agriculture/Natural Resources
This course is designed to provide students with an introduction into the agriculture/natural resources of the host country. Activities may include course work at an international institution, professional and personal development and special projects. Selected sections of the course may be offered on A-F or S/U basis only.

Credit Hour: 1-9
Prerequisites: advisor and instructor's consent