



Department of
**AGRICULTURAL EDUCATION
 AND AGRICULTURAL SCIENCES**

The Department of Agricultural Education and Agricultural Sciences (AEAS) empowers the next generation of agricultural educators, communicators, leaders, and entrepreneurs by providing an integrated approach to learning that incorporates knowledge, skillset, and leadership to create opportunities for students to advance the agricultural industry.

Degree Programs

Undergraduate

Agricultural Sciences

Graduate

Agricultural Education M.S. | Ph.D.

Minors

Agricultural Sciences

Leadership

Agricultural Sciences & Natural Resources Communications

Comparative International Agriculture

Agriculture Education

Graduate Certificate

Leading and Creating Change

In support with our university, college, and department missions, AEAS is invested in providing DEI coursework to students. It offers the college's only cultural diversity bacc core course as well as several other DEI focused bacc core courses.

DEI focused courses include:

Ecosystem Science of Pacific NW Indians

Native American Agriculture

Women in Agriculture

Multicultural Leadership



Faces of AgSci

“With this degree I hope to tackle some of the fastest-growing problems not only in the U.S., but around the world.”

Angel Hammon, Gates Millenium Scholar

Read more at agsci.oregonstate.edu

AG EDUCATION and AG SCIENCES AT A GLANCE

15



Faculty

286



Undergraduate Students

16

Graduate Students



Experiential Learning Opportunities

The Leadership Academy is a one-year program open to all undergraduates in the Colleges of Agricultural Sciences and Forestry. Selected students have the unique opportunity to work alongside a faculty mentor to identify on- and off-campus activities, workshops, and organizations that will help advance them as a leader. Students can also apply for Leadership Academy scholarships which can help fund travel to professional conferences, memberships to industry specific associations, and more. Additionally, students collaborate with their peers across different agricultural and forestry disciplines to identify their leadership strengths and areas for growth and to set goals for long- and short-term leadership development.

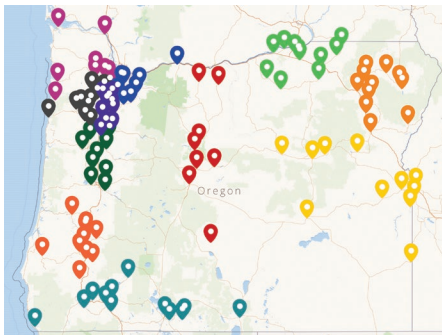
Leadership Launch is an innovative curricular collaboration between CAS and industry leaders to create a foundational course for students to find a sense of belonging, explore what leadership means, and have a mentor.

Research

2022 Research Expenditures: \$161,145

Research Focus Areas:

- Underrepresented populations in agriculture and natural resources
- Needs of Extension Educators
- Science communications
- Leadership education outcomes
- International agricultural development
- Climate change messaging
- Secondary agriculture teacher preparation and support
- Agricultural and STEM learning technologies
- Rural mental health and well-being
- Media framing of agricultural issues



Ag Education Experiential Learning Sites in Oregon

Extension & Outreach Highlights

The Department of Agricultural Education and Agricultural Sciences partners with a number of programs who share in its mission to advance the future of agriculture.

- Summer Ag Institute (SAI), in partnership with the Oregon Farm Bureau's Agricultural Education Foundation, is a three-credit, action-packed week-long, graduate-level class through Oregon State University that educates K-12 teachers with little or no background in agriculture.
- In partnership with OSU Extension, AEAS helps run and coordinate the student Extension internships each summer.
- Oregon Agriculture in the Classroom (Oregon AITC) is a state program that is dedicated to helping students grow in the knowledge of agriculture, the environment, and natural resources for the benefit of Oregonians today and in the future. The department has partnered with Oregon AITC to develop curricula, apply for grants, and help train teachers.
- Oregon FFA is the premier youth agricultural leadership program that is dedicated to helping the next generation of agriculturalists rise up to meet the challenges of modern agriculture. The department is proud to provide high school agricultural teachers to the state of Oregon and beyond.
- Curriculum for Agricultural Science Education (CASE) is an inquiry-based national agriculture curriculum for secondary agriculture teachers and AEAS faculty members are active in leadership as well as CASE certification.

The Future of Agricultural Education and Agricultural Sciences

Recognizing the dynamic nature of agriculture and the many diverse ways agriculture is woven in so many aspects of our economy, society, and communities, there is intentional flexibility built into the Agricultural Sciences program so it can adapt to changing needs. With a recognized national shortage of qualified agriculture teachers, the importance of equipping new educators with tools that are critical to the future of ag education has never been greater.

Public communications about agricultural products, practices, and policies are also essential to the future of agriculture, especially as consumers seek out more information regarding the safety, ethics, and the nutritional value of the commodities they consume. The department is committed to continuing to create coursework and programs that will help prepare skilled researchers, competent communicators, qualified teachers, and extraordinary leaders to help advocate for the agricultural industry. The future of agriculture is people, and we are committed to helping them growth through our teaching, research, and outreach.

