

Pathway: Interdisciplinary Pathway in Urban Agriculture

Purpose:

The Urban Agriculture pathway is designed to provide students with a comprehensive understanding of sustainable agricultural practices in urban settings. This interdisciplinary program combines courses from agriculture, communications, ethics, sociology, and technology. Graduates will be prepared to address the challenges of food security, urban planning, and sustainable development in cities, with a focus on innovative agricultural practices and community engagement.

Career Outcomes:

- Urban Farmer
- Community Garden Coordinator
- Sustainable Agriculture Consultant
- Urban Planner
- Environmental Educator
- Food Security Specialist
- Agricultural Extension Agent
- Greenhouse Manager

10-Course Academic Pathway

1. **AGRI 300 - Urban Agriculture Systems**
 - **Description:** Overview of urban agriculture practices, including rooftop gardens, vertical farming, and community gardens.
 - **Prerequisite:** AGRI 140 - Introduction to Sustainable Agriculture and Society
 - **Level:** 300
2. **AGRI 310 - Soil and Water Management**
 - **Description:** Focuses on soil health and water management techniques essential for urban agriculture.
 - **Prerequisite:** AGRI 100 - General Earth Science
 - **Level:** 300
3. **AGRI 320 - Plant Production in Urban Environments**
 - **Description:** Techniques and strategies for growing plants in urban settings, including container gardening and hydroponics.
 - **Prerequisite:** AGRI 140 - Introduction to Sustainable Agriculture and Society
 - **Level:** 300
4. **COMM 301 - Business Communication**
 - **Description:** Develops skills in business communication, including writing, presentations, and interpersonal communication, with a focus on agricultural contexts.
 - **Level:** 300
5. **SOC 350 - Sociology of Food and Agriculture**
 - **Description:** Examines the social dynamics of food production and consumption, with a focus on urban environments and community impact.
 - **Prerequisite:** SOC 101 - Introduction to Sociology
 - **Level:** 300

6. **TECH 340 - Technology and Innovation in Agriculture**
 - **Description:** Explores the role of technology in modern agriculture, including data analytics, precision farming, and agricultural technologies suited for urban settings.
 - **Prerequisite:** AGRI 140 - Introduction to Sustainable Agriculture and Society
 - **Level:** 300
7. **ETHC 450 - Agricultural Ethics**
 - **Description:** Investigates ethical issues in agriculture, including sustainability, food justice, and the ethical treatment of workers and animals.
 - **Prerequisite:** AGRI 140 - Introduction to Sustainable Agriculture and Society
 - **Level:** 400
8. **AGRI 410 - Sustainable Food Systems**
 - **Description:** Study of food systems from production to consumption, emphasizing sustainability, food security, and urban agriculture's role in the food system.
 - **Prerequisite:** AGRI 300 - Urban Agriculture Systems
 - **Level:** 400
9. **AGRI 420 - Urban Farm Management**
 - **Description:** Management practices for urban farms, including planning, resource management, and community involvement.
 - **Prerequisite:** AGRI 320 - Plant Production in Urban Environments
 - **Level:** 400
10. **AGRI 430 - Community Engagement and Urban Agriculture**
 - **Description:** Strategies for engaging communities in urban agriculture projects, including educational programs, volunteer management, and collaboration with local organizations.
 - **Prerequisite:** AGRI 300 - Urban Agriculture Systems
 - **Level:** 400

This interdisciplinary pathway provides a robust education in urban agriculture, combining elements from agriculture, communications, sociology, technology, and ethics. Students gain a deep understanding of sustainable practices, community engagement, and technological innovations in urban farming, preparing them for a variety of careers in the growing field of urban agriculture.