

# AGRICULTURE PROGRAM



The Ivy Tech Community College Agriculture Program at Fort Wayne prepares students for careers in all areas of the agriculture industry. Courses in this program take students out of the classroom and into the job to learn from experts in the industry. Students will gain valuable leadership & entrepreneurship skills, and have travel opportunities. Upon completion of a 2 Year Degree in Agriculture at Ivy Tech, students may transfer on to a 4 Year University to complete a Bachelor's Degree. The Agriculture Program at Ivy Tech Community College prepares students for careers that help feed the world and lead the way with new innovative technologies!



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## WHY IVY TECH AGRICULTURE AT FORT WAYNE?

- Average Class Size: 15 - 20 students
- 3,000 square foot on site greenhouse (soil, hydroponics, aquaponics, aquaculture)
- Partnered farms/agribusinesses for hands on experiences
- Experienced instructors and close interaction with instructors foster student success and enjoyment in classes
- Most affordable college option for career improvement or starting your bachelor's degree
- Campus transportation available
- The Agriculture Program was awarded The Indiana Career & Technical Education Program Award for Excellence, 2020
- Kelli Kreider, Agriculture program chair received the National Institute for Staff & Organizational Development (NISOD) Award of Teaching Excellence, 2019
- Find us on Facebook at [IVY AG INNOVATORS](#)

[IVYTECH.EDU/AGRICULTURE](http://IVYTECH.EDU/AGRICULTURE)



# AGRICULTURE DEGREES

ASSOCIATE OF SCIENCE			ASSOCIATE OF APPLIED SCIENCE		
CHEM 101	Intro Chemistry I	3	COMM 101 or COMM 102	Fundamentals of Public Speaking or Introduction to Interpersonal Communication	3
CHEM 102	Chemistry	3	ENGL 111	English Composition	3
BIOL 121	General Biology	3	IVYT 1XX	Student Success Elective	1
ENGL 111	English Comosition	3	MATH 123	Concepts in Mathematics	3
MATH 136	College Algebra	3	XXXX XXX	Humanities / Social and Behavior Science Elective	3
MATH 136+	STEM elective or higher	3	SELECT 1 OF THE FOLLOWING:		
COMM 101	Fundamentals of Public Speaking	3	BIOL 101 BIOL 121 CHEM 101 SCIN 100 SCIN 101 SCIN 111	Introductory Biology General Biology Introductory Chemistry Earth Science Energy Generation & Utilization Physical Science	3 or 4
IVYT XXX	Student Success Elective	1	PROFESSIONAL / TECHNICAL:		
XXX	Social / Behavioral Ways of Knowing Elective	3	AGRI 100	Introduction to Agriculture	3
XXX	Humanistic / Artistic Ways of Knowing Elective	3	AGRI 101	Agricultural Data Management	3
XXX	Transfer Cluster Elective	3	AGRI 110	Introductory Agriculture Business and Economics	3
XXX	TGEC Elective	3	AGRI 111	Intro to Crop Production	3
PROFESSIONAL / TECHNICAL:			AGRI 117	Soil Science	3
AGRI 110	Introductory Agriculture Business and Economics	3	AGRI 204	Agricultural Salesmanship	3
AGRI 210	Management Methods of Agriculture Business	3	AGRI 210	Management Methods Agriculture Business	3
AGRI 111	Intro to Crop Production	3	AGRI 280	Co-op / Internship	3
AGRI 112	Fundamentals of Horticulture	3	AGRI 290	Ag Seminar 40+ hours completed	1
AGRI 113	Intro to Animal Science	3	AGRI Statewide Electives	19 Credit Hours Minimum	19
AGRI 290	Ag Seminar (Advisor Approval)	3	TOTAL CREDIT HOURS		
AGRI XXX	AGRI Transfer Course	3	60		
AGRI XXX	AGRI Transfer Course	3	TOTAL CREDIT HOURS		
AGRI XXX	AGRI Transfer Course	3	60		

# AGRICULTURE CERTIFICATES

## LANDSCAPE CERTIFICATION

AGRI 116	Horticulture (or AGRI 112)	3
AGRI 117	Soil Science	3
AGRI 164	Landscape Design	3
AGRI 165	Turf Science	3
AGRI 261	Herbaceous Landscape Plants	3
AGRI 262	Woody Landscape Plants	3

**TOTAL CREDIT HOURS**

**18**

## URBAN HORTICULTURE CERTIFICATION

AGRI 116	Horticulture (or AGRI 112)	3
AGRI 175	Greenhouse Management	3
AGRI 129	Alternative Growing Methods	3
AGRI 120	Vegetable Production	3
AGRI 117	Soil Science	3
AGRI 176	Urban Food & Agriculture	3

**TOTAL CREDIT HOURS**

**18**

## GRAIN SYSTEMS CERTIFICATION

AGRI 127	Grain Systems	3
AGRI 128	Agricultural Safety	3
INDT 103	Motors & Motor Controls	3
INDT 113	Industrial Electrical	3
INDT 114	Introductory Welding	3
INDT 205	Programmable Automation Controls	3

**TOTAL CREDIT HOURS**

**18**

## HYDROCULTURE CERTIFICATION

AGRI 129	Alternative Growing Methods	3
AGRI 131	Introduction to Hydroponics	3
AGRI 132	Introduction to Aquaculture	3
AGRI 133	Introduction to Aquaponics	3
AGRI 241	Advanced Aquaponics	3
AGRI 242	Agricultural Entrepreneurship	3

**TOTAL CREDIT HOURS**

**18**

## CONTROLLED ENVIRONMENTAL AGRICULTURE TECHNICAL CERTIFICATE

COMM 104	Workplace Communication	3
IVYT 113	Student Success	1
AGRI 100	Introduction to Agriculture	3
AGRI 110	Introductory Agriculture Business and Economics	3
AGRI 129	Alternative Growing Methods	3
AGRI 131	Introduction to Hydroponics	3
AGRI 132	Introduction to Aquaculture	3
AGRI 133	Introduction to Aquaponics	3
AGRI 204	Agricultural Salesmanship	3
AGRI 210	Management Methods Agriculture Business	3
AGRI 241	Advanced Aquaponics	3
AGRI 242	Agricultural Entrepreneurship	3

**TOTAL CREDIT HOURS**

**34**