

AGRICULTURE (AGRI)

IvyTech.edu/agriculture

OVERVIEW



The Agriculture Program at Ivy Tech Community College engages students in hands-on activities in and outside of their classrooms while preparing them for real-world agriculture careers. The program focus is primarily in the areas of: Livestock Production, Crop Production, Agriculture Equipment, and Agribusiness. Students are exposed to various areas in the agriculture industry through field experiences and professional guest speaker presentations. To enhance the student experience, the agriculture program has partnerships with industry organizations such as: John Deere, Case IH, Ceres Solutions, Co-Alliance, Becks Hybrids, Dow AgroSciences, Monsanto, Belstra Milling Company, Fair Oaks Farms and other local growers, producers, and agribusinesses. Students will spend a significant amount of class time completing hands-on activities with the ability to have one-on-one time with instructors.

TWO-YEAR PROGRAM OPTIONS

ASSOCIATE OF APPLIED SCIENCE

(60 credit hours = 4 semesters)

An Associate of Applied Science (AAS) degree in Agriculture from Ivy Tech will give you the classroom and hands-on experience you'll need to enter all of the major branches of agriculture: crops, livestock equipment, and agribusiness. In addition, you'll be able to choose courses in many specialty areas such as ag sales and precision technologies that tailor your degree to your area of interest.

ASSOCIATE OF SCIENCE

(60 credit hours = 4 semesters)

An Associate of Science (AS) degree in Agriculture prepares you to transfer to Purdue to continue your education in one of 33 majors. Either degree option leads to a career in a diverse industry that will always be with us: feeding the world and leading the way with new innovative technologies.

PATHWAY TO PURDUE AGRICULTURE

The Pathway to Purdue Agriculture program is a partnership between the Purdue University College of Agriculture and Ivy Tech Community College-Lafayette. It makes higher education even more accessible to Indiana students. Pathway to Purdue Agriculture allows Ivy Tech students to co-enroll at Purdue to prepare for an undergraduate degree in the College of Agriculture. Pathway to Purdue Agriculture students can earn an Associates of Science in Agriculture from Ivy Tech, while also working toward a Bachelor of Science in Agriculture from Purdue University.

Contact Information:

web: www.purdue.edu/pathwaytopurdue/

e-mail: pathway@purdue.edu

ONE-YEAR PROGRAM OPTIONS

CERTIFICATES OFFERED

Agriculture Equipment Service Technician

(34 credit hours= 3 semesters)

IVY TECH BENEFITS

DUAL CREDIT

Dual credit is a program that allows high school students to remain in high school and earn college credit from Ivy Tech Community College at the same time. Typically, three college credits are earned per dual credit cocourse with a limit of fifteen credits earned per school year. There is NO COST for dual credit courses that are taught in a high school classroom.

RESEARCH FARM

Ivy Tech-Lafayette owns a demonstration and research farm with 65 acres in which students gain hands-on crop production and research experience. Additional Ivy Tech learning facilities for agriculture students are two computer labs and the Bane Agriculture Technology Center.

AGRICULTURE EDUCATION PIPELINE SCHOLARSHIP

The Pipeline to Purdue program is a scholarship opportunity for those committed to teaching Agricultural Education in Indiana secondary schools. Participants receive mentoring and a community spirit while at Ivy Tech and additional financial support while at Purdue University.

FOR MORE INFORMATION:

Kraig Bowers

Program Chair

kbowers21@ivytech.edu

765-269-5327

IF YOU'VE GOT QUESTIONS, WE'VE GOT ANSWERS.

FOR MORE INFORMATION:

School Advanced Manufacturing, Engineering & Applied Science

765.269.5229



Ivy Tech Community College-Lafayette

Agriculture

2018-2019

THE FOLLOWING SUGGESTED REGIONAL SEQUENCE INCLUDES ALL COURSE REQUIREMENTS FOR THIS DEGREE. YOU MUST CONSULT WITH AN ACADEMIC ADVISOR TO DETERMINE WHICH ELECTIVES BEST MEET YOUR CAREER GOALS.

ASSOCIATE OF SCIENCE

Course #	Title	Credit Hours
Semester 1		
IVYT 111	Student Success in University Transfer	1
* CHEM 101	Introductory Chemistry I	3
~ AGRI XXX	Agriculture Core Course	3
* MATH 136+	STEM Numerical Reasoning Elective	3
* ENGL 111	English Composition	3
Semester 2		
AGRI XXX	Agriculture Core Course	3
AGRI XXX	Agriculture Core Course	3
* BIOL 121	General Biology I	4
* CHEM 102	Introductory Chemistry II	3
* COMM 101	Fundamentals of Public Speaking	3
Semester 3		
AGRI XXX	Agriculture Core Course	3
AGRI XXX	Agriculture Core Course	3
XXXX XXX	Agriculture Transfer Cluster Elective	3
* XXXX XXX	Social & Behavioral Ways of Knowing Elective	3
* MATH 136+	STEM Numerical Reasoning Elective or Higher	3
Semester 4		
AGRI 290	Agriculture Seminar	1
XXXX XXX	Humanistic and Artistic Ways of Knowing Elective	3
XXXX XXX	Transfer General Education Core Elective	3
XXXX XXX	Agriculture Transfer CLuster Course	3
XXXX XXX	Agriculture Transfer Cluster Course	3

Total Credit Hours: 60

TECHNICAL CERTIFICATE Agriculture Equipment Service Tech.

Course #	Title	Credit Hours
Semester 1		
IVYT 113	Student Success in Technology	3
AGRI 100	Introduction to Agriculture	3
AGRI 200	Precision Farming Technology	3
INDT 113	Basic Electricity	3
INDT 104	Fluid Power Basics	3
COMM 104	Workplace Communications	3
Or	COMM 101 /COMM 102	
Semester 2		
MATH 122	Applied Technical Mathematics (or higher)	3
AGRI 219	Crop Machinery & Equipment	3
AGRI 213	Ag Equipment Power Systems	3
TRCK 125	Transmission/Differential	3
TRCK 127	Engine Repair	3
Semester 3		
PAET 280	Co-Op/ Internship	3

Total Credit Hours: 34

WHIN-PARTNERSHIP

The Ivy Tech Lafayette regional campus is a partner of the Wabash Heartland Innovation Network (WHIN), which exists to cultivate an ecosystem of technology adoption specific to Digital Agriculture and Advanced Manufacturing programs. Ivy Tech works alongside Purdue University and industry partners to demonstrate how remote sensors in a farm field, or manufacturing floor (moisture, temperature, nitrates, and water quality, mechanical vibration) can collect data real-time through IoT (Internet of Things) platforms located in the testbeds located on our 65 acre crop farm and Advanced Manufacturing labs. This technology can enhance decision making, which will enable businesses in our region to become more globally competitive. These technologies are being incorporated within the course work, applied laboratory experiments, and into internship opportunities for students at the Ivy Tech Lafayette campus.

WHIN is a 10-county initiative sponsored by the Lilly Endowment, Inc.

ASSOCIATE OF APPLIED SCIENCE

Course #	Title	Credit Hours
Semester 1		
IVYT 113	Student Success in Technology	3
AGRI 100	Introduction to Agriculture	3
AGRI 110	Introduction to Agricultural Economics	3
AGRI XXX	Agriculture Elective	3
AGRI XXX	Agriculture Elective	3
ENGL 111	English Composition	3
Semester 2		
AGRI 101	Agricultural Data Management	3
AGRI 111	Introduction to Crop Production	3
AGRI 117	Soil Science	3
AGRI XXX	Agriculture Elective	3
Select 1 of the following courses:		
COMM 101	Fundamentals of Public Speaking	3
COMM 102	Introduction to Interpersonal Communication	3
COMM 104	Workplace Communications	3
Semester 3		
AGRI 204	Agriculture Sales	3
AGRI XXX	Agriculture Elective	3
AGRI XXX	Agriculture Elective	3
MATH 123	Quantitative Reasoning	3
XXXX XXX	Humanities/Social & Behavioral Sciences	3
Semester 4		
AGRI 210	Management Methods for Agricultural Business	3
AGRI 280	Agriculture Internship	3
AGRI 290	Agriculture Seminar	1
AGRI XXX	Agriculture Elective	3
AGRI XXX	Agriculture Elective	3
Select 1 of the following courses:		
BIOL 101	Introductory Biology	3
BIOL 121	General Biology I	4
CHEM 101	Introductory Chemistry I	3
SCIN 100	Earth Science	4
SCIN 101	Science of Traditional and Alternative Energy	4
SCIN 111	Physical Science	3

Total Credit Hours: 60

DUAL CREDIT COURSES

High School Course(s)	Ivy Tech Course(s)
DOE #5002-Agribusiness Management	AGRI 102- Agricultural Business & Farm Management
DOE #5008-Animal Science	AGRI 103- Animal Science
DOE #5102-Food Science	AGRI-104 Food Science
DOE #5170-Plant & Soil Science	AGRI 105- Plant & Soil Science
DOE #5188-Agricultural Mechanization	AGRI 106- Agriculture Power, Structure & Technology
DOE #5070 Advanced Life Science-Animals	AGRI 107 Adv. Animal Science
DOE #5072Advanced Life Science-Food	AGRI 108-Adv. Food Science
DOE # 5074 Advanced Life Science-Plants and Soils	AGRI 109 Adv. Plant and Soil Science
DOE #5180-Natural Resources Management	AGRI 115- Natural Resources Management
DOE #5132 Horticulture Science	AGRI 116- Survey of Horticulture
DOE #5136-Landscape Management 1	AGRI 164- Landscape Design !

Symbol Key

^ Capstone Course

* Required for Transfer General Education Core (TGEC) Certificate

~ Agriculture Core Course Choice- Choose 5 courses from the following: AGRI 110, AGRI 111, AGRI 112, AGRI 113, AGRI 114, AGRI 201, AGRI 205 or AGRI 210.

Our online application is FREE.
Why wait? Apply today! IvyTech.edu/applynow

