

# ITS: AGRICULTURE



## Associate of Applied Science Degree

10-825-18

Rapid changes in technology and work processes have created a growing demand for flexibility and enhanced skill levels in the workplace. Employers increasingly are seeking workers able to perform multiple tasks and roles that cut across traditional occupational categories. To be productive and effective in the changing workplace, workers may need skills and knowledge drawn from a variety of traditional areas of study. As a result, Blackhawk Technical College has a versatile Individualized Technical Studies degree that complements industry needs, enabling students interested in pursuing an associate degree to create a unique, individualized program. This specialized program of study combines the skills taught in two or more existing Blackhawk programs and is designed in cooperation with an occupational advisor from the target industry and an academic advisor from Blackhawk. Students achieve their career goals by acquiring skills and knowledge in an associate degree program tailored to meet their specific employment needs.

The **Agriculture** Individualized Technical Studies degree allows students to develop their own degree in agriculture-related fields. Agricultural studies concentrate on scientific advancement of agriculture, cultivation, processing and distribution of agricultural products. Agriculture studies employ advanced technology and sustainability practices to optimize food systems. Example plans for this degree are shown in the pathways tabs.

Below are the general requirements for your Individualized Technical Studies degree. Working with your academic advisor, you can plan your Individualized Technical Studies degree program.

## General Education Courses (21-30 credits required)

### Communications (select at least two courses) - 6 credits total required

Code	Title	Credits
801-136	English Composition 1	3
801-195	Written Communication	3
or 801-196	Oral/Interpersonal Communication	
801-197	Technical Reporting	3
801-198	Speech	3

### Social Science (select at least one course) - 3 credits total required

Code	Title	Credits
809-166	Introduction to Ethics: Theory and Application	3
809-172	Introduction to Diversity Studies	3
809-195	Economics	3
809-196	Introduction to Sociology	3

### Behavioral Science (select at least one course) - 3 credits total required

Code	Title	Credits
809-198	Introduction to Psychology	3
809-159	Abnormal Psychology	3
809-188	Developmental Psychology	3
809-172	Introduction to Diversity Studies	3
809-196	Introduction to Sociology	3
809-166	Introduction to Ethics: Theory and Application	3

## Mathematics or Science (select at least one course) - 3 credits total required

Select an appropriate mathematics or science course in consultation with your academic advisor.

Code	Title	Credits
804-113	College Technical Mathematics 1A	3
804-114	College Technical Mathematics 1B	2
804-134	Mathematical Reasoning	3
804-118	Intermediate Algebra with Applications	4
804-189	Introductory Statistics	3
804-195	College Algebra w Apps	3
804-196	Trigonometry w Apps	3
804-197	College Algebra and Trigonometry with Applications	5
804-198	Calculus 1	4
804-211	Quantitative Reasoning	3

*Also select 6 additional credits of approved General Education courses to complete the General Education Course Requirements.*

## Individualized Technical Studies Courses (36-47 credits required)

Working with your academic advisor, select existing courses from the program areas in which you are interested. At least **20 credits** must be focused in one of your desired areas.

## Electives (0-6 credits required)

Select up to an additional 6 credits of electives that are relevant to your career goals.

## Total Program Credits - 60-70

10-825-18 (with 82AE Major)

The Agriculture Education Pathway is an example of a plan you could follow to complete the ITS: Agriculture associate degree.

This proposed Individualized Technical Studies program prepares the student to teach Agriculture in a middle school or high school. The curriculum includes courses in teaching pedagogy as well as skills in soil science, animal science and nutrition as well as business management.

At the end of this program, students will be able to:

1. Implement developmentally appropriate teaching practices to foster learning.
2. Adapt instruction to meet the diverse needs of all learners.
3. Use proactive classroom management techniques.
4. Create a crop management plan.
5. Create a livestock management plan.
6. Develop an agribusiness management plan.

Code	Title	Credits
<b>General Education Courses</b>		
801-136	English Composition 1	3
801-198	Speech	3

804-189	Introductory Statistics	3
804-134	Mathematical Reasoning	3
or 804-118	Intermediate Algebra with Applications	
809-198	Introduction to Psychology	3
809-172	Introduction to Diversity Studies	3
or 809-196	Introduction to Sociology	
<b>Core Emphasis Courses</b>		
006-180	Introduction to Animal Science	3
006-160	Introduction to Plant Science	3
006-116	Introduction to Soils	3
006-200	Ag Equipment Safety and Operation	3
006-164	Livestock Management	3
006-165	Livestock Nutrition	3
006-162	Farm Records and Business Management	3
522-103	EDU: Introduction to Educational Practices	3
522-106	EDU: Child & Adolescent Development	3
522-104	EDU: Technology in Education	3
522-124	EDU: Supporting Stu w/Disab	3
522-105	EDU: Behavior Management	3
<b>Technical Studies Courses</b>		
412-450	Introduction to Heavy Diesel	1
103-128	Introduction to Microsoft Office Suites	2
102-148	Introduction to Business and Management	3
<b>Total Credits</b>		<b>60</b>