



























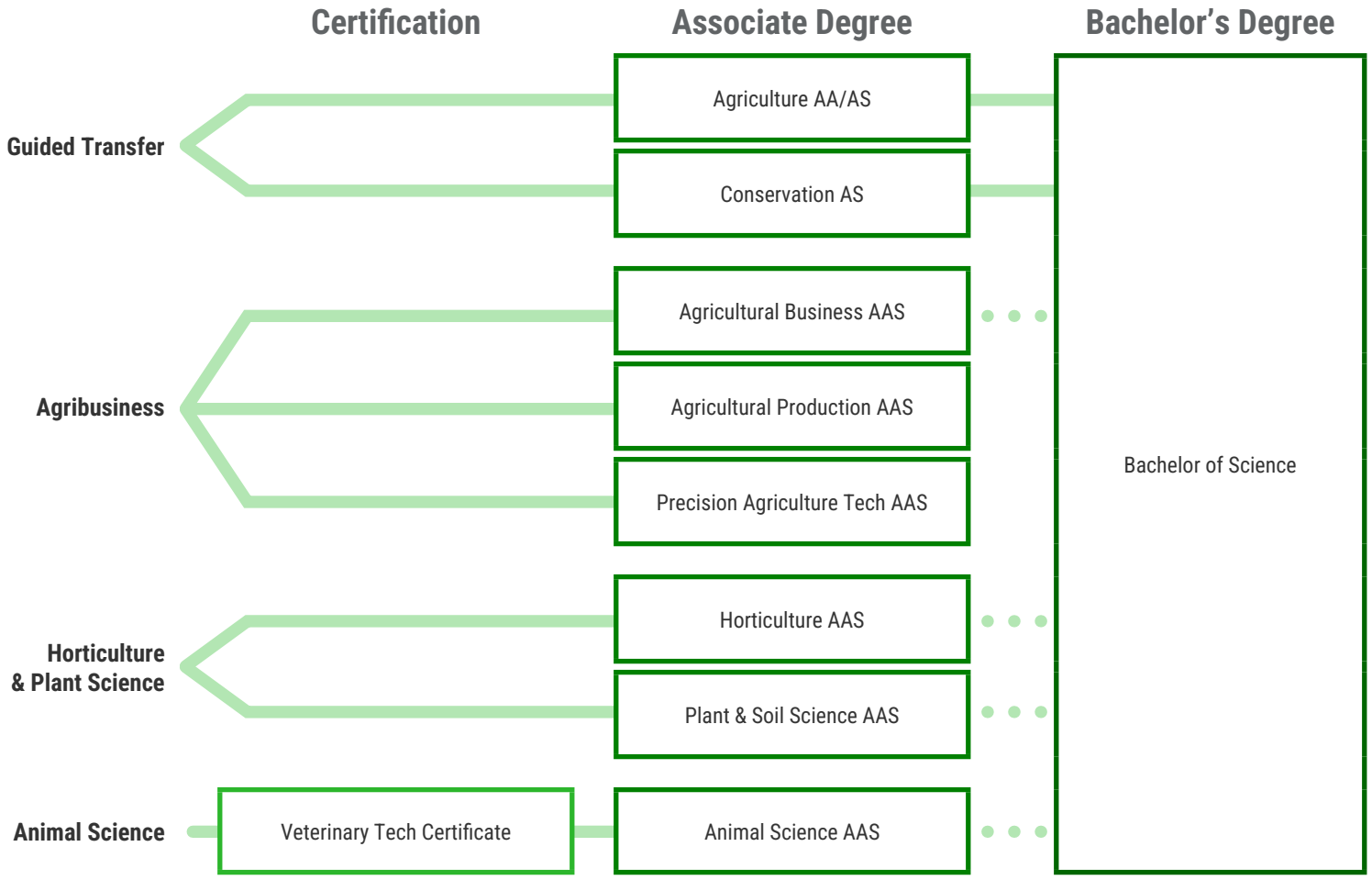
Model Programs of Study in Agriculture, Food, and Natural Resources

Recommended Courses

	GRADES 9–10 Orientation	GRADES 10–12 Skill Development	GRADE 12 Capstone	 1ST YEAR* Postsecondary
Agribusiness	<i>Choose 1:</i> <ul style="list-style-type: none"> Basic Agricultural Science Intro to the Agricultural Industry 	<i>Choose 1:</i> <ul style="list-style-type: none"> Agriculture Business Management  Intro Economics of Food, Fiber, and Natural Resources  	<i>Choose 1:</i> <ul style="list-style-type: none"> Intro to Animal Science  Intro to Soil Science  	Intro to Microcomputer Skills in Agriculture
Horticulture & Plant Science		<i>Choose 1:</i> <ul style="list-style-type: none"> Horticulture Production & Management  Intro to Horticulture  	<i>Choose 1:</i> <ul style="list-style-type: none"> Intro to Soil Science  Intro to Crop/Plant Science  	Intro Economics of Food, Fiber, and Natural Resources 
Work-Based Learning	Career Exploration (2)	<i>Choose 1: Supervised Agricultural Experience or Youth Apprenticeship</i>		
	Team-Based Challenge (2); may be offered through <i>Career and Technical Student Organizations</i> including a FFA Career Development Event			
Math	<i>Math sequence: highest-level course possible</i>	<i>Math sequence: highest-level course possible</i>	<i>Choose 1:</i> <ul style="list-style-type: none"> Transitional Math: Quantitative Literacy Statistics General Ed. Math  	<i>Choose 1:</i> <ul style="list-style-type: none"> General Ed. Math*  Statistics 
English	<i>English sequence</i>	<i>English sequence</i>	<i>Choose 1:</i> <ul style="list-style-type: none"> Transitional English English Composition  	<i>Choose 1:</i> <ul style="list-style-type: none"> English Composition*  Oral Communication 
Science	<i>Science sequence</i>	<i>Science sequence</i>	<i>Choose 1:</i> <ul style="list-style-type: none"> Biology  General Biology for Non-Majors  	<i>Choose 1:</i> <ul style="list-style-type: none"> Chemistry Science Sequence
Social Science	<i>Social science sequence</i>	<i>Social science sequence</i>	Microeconomics 	<i>Choose 1:</i> <ul style="list-style-type: none"> Microeconomics*  Macroeconomics  Social Science Sequence

KEY:  AP or dual credit course  Dual credit course  College & Career Pathway Endorsement
 Dual credit course with IAI  Postsecondary course with IAI
 * If credit was already earned through an early college course, take the next requirement in the sequence or, if none, additional AAS or major courses

Postsecondary Opportunities



● ● ● Bachelor's degree is not required for employability

Selected Occupations, Wages, and Job Growth

Program	Typical Job(s)	Living Wage Potential*	Median Hourly Wage**	IL Growth: Change over 10 years ***	IL Annual Job Openings***	Typical Educational Requirements
Guided Transfer	Conservation Scientists	Medium	\$32.71	11.0%	98	Bachelor's Degree
	Agricultural Inspectors	Medium	\$28.96	18.0%	95	
	Food Scientists and Technologists	High	\$41.59	10.0%	129	
Agribusiness	Farmers, Ranchers, and Other Agricultural Managers	High	\$46.61	2.0%	5,653	High School Diploma + Some College
	Agricultural Sales (Sales Representatives, Wholesale and Manufacturing)	Medium	\$30.91	5.1%	6,952	
	First-Line Supervisors of Farming, Fishing, and Forestry Workers	Medium	\$31.27	7.0%	77	High School Diploma
	Agricultural Equipment Operators	Low	\$21.56	5.0%	329	
Horticulture & Plant Science	Soil and Plant Scientists	Medium	\$33.05	10.0%	60	Bachelor's Degree
	Food Science Technicians	Medium	\$25.15	9.0%	139	
Animal Science	Veterinary Technologists & Technicians	Low	\$19.94	15.4%	364	Associate Degree

* Living wage potential is based on MIT's Living Calculator (livingwage.mit.edu) for Illinois in 2024. Occupations with median salaries higher than the living wage for 1 adult + 1 child (\$39.63/hour) are considered as having a "high" living wage potential. Occupations with median salaries only higher than the living wage of 1 adult, no children (\$22.86/hour) are considered as having a "medium" living wage potential, and occupations with median salaries below the living wage of 1 adult, no children (less than \$22.86/hour) are considered as having a "low" living wage potential.

** Illinois Department of Employment Security (2022). Wage Information: Occupational Employment and Wage Statistics (Statewide). Retrieved April 2, 2024, from ides.illinois.gov/resources/labor-market-information/oews.html

*** Illinois Department of Employment Security. Employment Projections (Long-Term Occupational Projections 2020-2030). Retrieved April 2, 2024, from ides.illinois.gov/resources/labor-market-information/employment-projections.html