

Agriculture, Food and Natural Resources

CAREER PATHWAY ROADMAP



Get Started Today on the Pathway to Success!

Contact: NTC Admissions at 715.675.3331, Ext. 5860 or admissions@ntc.edu

Visit: www.ntc.edu/prospective-students

First Steps

High School Option:

- Dual Enrollment
- Advanced Placement

Adult Options:

- Credit for Prior Learning
- High School Diploma
- Adult Basic Education
- Bridge Programming

Agri-Business

Associate Degree

68 credits

Potential Occupations:

- Agriculture Product Sales and Marketing
- Agriculture Finance
- Agriculture Promotion
- Agriculture Tourism
- Livestock Buyer/Seller/Owner
- Agriculture Office Worker
- Agriculture Inspector
- Agriculture Laboratory Specialist
- Breed Association Rep
- Agriculture Journalist
- Agriculture Administrative Assistant

Crop Science

Associate Degree

70 credits

Potential Occupations:

- Cranberry Marsh Worker
- Fam Laborer
- Irrigation Worker
- Harvest Worker
- Seasonal Elevator Worker
- Seasonal Pesticide Applicator Specialist
- Sales Rep.
- Crop Scout
- Crop Research Assistant
- Custom Applicator
- Crop Insurance Prof.
- Buyer-Crop Protectants
- Field Supervisor
- Field Crew Member

Dairy Science

Associate Degree

68 credits

Potential Occupations:

- Agriculture Product Sales and Marketing
- Agriculture Promotion
- Agriculture Tourism
- Livestock Buyer/Seller/Owner
- Agriculture Worker/Herdsman
- Farm Owner
- Artificial Insemination Technician
- Breed Association Representative
- Feed Mill Worker
- Agriculture Inspector
- Ag. Lab Specialist

Veterinary Science

Associate Degree

68 credits

Potential Occupations:

- Veterinary Assistant
- Animal Lab Assistant
- Animal Research Assist.
- Agriculture Product Sales and Marketing
- Agriculture Promotion
- Agriculture Tourism
- Animal Caretaker
- Pet Store
- Zoo
- Doggy Day Care
- Agriculture Technician
- Farm Worker
- Animal Maternity Tending

Transfer Agreements

Bachelor's Degree*

- Colorado State University-Global Campus
- University of Phoenix
- UW Green Bay
- UW Platteville
- Lakeland University
- UW River Falls

*For a list of Bachelor Degree programs by college visit: www.ntc.edu/transfer/guides

FOR MORE DETAILS ON THESE PROGRAMS VISIT: www.ntc.edu/programs-courses

A career pathway is a series of connected education and training strategies and support services that enable individuals to secure stackable industry relevant credentials and obtain employment within an occupational area and advance to higher levels of future education and employment in that area.

Course Number	Course Title	Credit(s)	Dual Credit Courses	Agri-Business	Crop Science	Dairy Science	Veterinary Science
10-091-101	ORIENTATION TO AGRICULTURAL STUDIES	1		X	X	X	X
10-091-102	VETERINARY ASSISTANT FUNDAMENTALS	1					X
10-091-103	BOVINE REPRODUCTION	3		X		X	X
10-091-104	INTRO TO ANIMAL SCIENCE	3	X	X		X	X
10-091-106	ANIMAL DISEASES 1	2				X	X
10-091-107	DAIRY NUTRITION	3		X		X	X
10-091-108	ANIMAL PHARMACOLOGY/VETERINARY	3					X
10-091-109	MILK QUALITY & PRODUCTION			X		X	X
10-091-110	CALF CARE MANAGEMENT LAB	1				X	
10-091-115	HEIFER CARE MANAGEMENT LAB	1				X	
10-091-117	INTERNSHIP 2	3		X	X	X	X
10-091-119	PROFESSIONAL PORTFOLIO PREPARATION	1		X	X	X	X
10-091-120	TRANSITION COW MANAGEMENT LAB	1				X	
10-091-125	LACTATING COW MANAGEMENT LAB					X	
10-091-135	PRINCIPLES OF CROP PRODUCTION	3			X	X	
10-091-140	NUTRIENT MANAGEMENT	2			X	X	
10-091-155	INTERNSHIP 1 - DAIRY PRODUCTION	3	X			X	
10-091-164	MILKING TECHNOLOGIES	3		X		X	X
10-091-165	BUILDING DESIGN FOR THE COW	3		X		X	X
10-091-171	EMPLOYER/EMPLOYEE RELATIONS	2		X	X	X	
10-091-172	MEDICAL TERMINOLOGY - VET 1		X				X
10-091-174	VET OFFICE PROCEDURES 1	2					X
10-091-175	AGRICULTURAL COMPUTER APPLICATIONS	2		X		X	X
10-091-180	AGRICULTURE SALES & PROMOTION	2		X	X		
10-091-181	FARM TAX ESSENTIALS	2		X			
10-091-185	AGRICULTURE COMMODITIES & MARKETING	3		X	X	X	
10-091-186	AGRICULTURAL ACCOUNTING			X		X	
10-091-190	FARM BUSINESS MANAGEMENT			X		X	
10-091-191	ANIMAL DISEASES 2	2					X
10-091-193	CLINICAL SKILLS - VET 1	3					X
10-091-196	CLINICAL PATHOLOGY 1	2					X
10-091-198	CLINICAL SKILLS - VET 2	3					X
10-091-199	ANIMAL RESEARCH METHODS - AALAS	2					X
10-093-102	INTRODUCTION TO SOILS	2	X		X		
10-093-103	AGRICULTURE EQUIPMENT SAFETY	3			X		
10-093-104	CROP SCOUTING TECHNIQUES	3			X		
10-093-105	PESTICIDE/FERTILIZER EQUIPMENT	3			X		
10-093-106	AGRICULTURE SERVICE MANAGEMENT	2		X	X		
10-093-107	PLANT SCIENCE AND WEED ID	3			X		
10-093-108	INTRODUCTION TO PRECISION AGRICULTURE	3			X		
10-093-109	INTEGRATED PEST MANAGEMENT	3			X		
10-093-110	AGRICULTURE WATER MANAGEMENT	3			X		
10-093-111	GIS APPLICATIONS & RESOURCE MANAGEMENT	3			X		
10-093-112	AGRONOMY DATA TECHNOLOGY	2			X		
10-103-240	OFFICE 2016 LEVEL 1	3		X			
10-801-136	ENGLISH COMPOSITION 1	3		X	X	X	X
10-801-195	WRITTEN COMMUNICATION	3	X	X	X	X	X
10-801-196	ORAL/INTERPERSONAL COMMUNICATION	3		X	X	X	X
10-804-118	INTERMEDIATE ALGEBRA W/APPS	4	X	X	X	X	
10-806-112	PRINCIPLES OF SUSTAINABILITY	3		X	X	X	X
10-806-114	GENERAL BIOLOGY	4		X		X	X
10-806-134	GENERAL CHEMISTRY	4			X		
10-809-101	CENTS & SENSIBILITY	1	X	X			
10-809-195	ECONOMICS	3		X	X	X	X
10-809-196	INTRO TO SOCIOLOGY	3	X	X	X	X	X
10-809-198	INTRO TO PSYCHOLOGY	3	X	X	X	X	X
10-809-199	PSYCHOLOGY OF HUMAN RELATIONS	3		X	X	X	X
10-999-992	ELECTIVE	2		X			X
10-999-993	ELECTIVE	2		X			
Total Credit Hours				68-69	69-70	68-69	68-69

CREDIT FOR PRIOR LEARNING

Save Time - Save Money

Earn credit for your previous learning and acquired skills through credit for prior learning, a process that allows NTC to grant you course credit for knowledge and skills gained through a variety of previous educational, work, volunteer, military, independent study, corporate training and life experiences that is equivalent to NTC coursework.

There are several courses in this pathway that have credit for prior learning opportunities.

For more information, contact Student Records at 715.675.3331, Ext. 1023 or email studentrecords@ntc.edu.

DUAL ENROLLMENT

Your Student Can Earn College

Credit While Attending High School

We collaborate with area high schools to provide your student with numerous opportunities to earn college credit early. In fact, many students begin college at NTC with an entire semester of coursework already completed and industry-recognized certifications that give them a competitive edge when beginning college and entering the workforce.

To learn more contact your son or daughter's school counselor, or visit: www.ntc.edu/dual-credit

ADVANCED PLACEMENT

NTC accepts selected Advanced Placement (AP) exams with a score of 3 or higher for college credit. You can request official AP exam scores by going to apcentral.collegeboard.org/scores/ and use NTC School Code - 0735 to have scores mailed directly to NTC.

TECHNICAL DIPLOMAS AND EMBEDDED TECHNICAL DIPLOMAS

Technical diplomas and embedded technical diplomas focus on hands-on learning of occupational skills and can take anywhere from one semester to two years to complete, depending on the particular program. Embedded technical diplomas fully ladder into associate degree and technical diploma programs.

ASSOCIATE DEGREES

Associate degrees traditionally are two-year programs that combine technical skills with general studies such as math, science, communication and social sciences.

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