

Course Offerings

2026-2027



North Valley Career and Technology Center is a regional facility committed to excellence in education, providing diverse populations with learning opportunities that reflect the changing needs of the community and workplace.

Agriculture Education



Grade Level: 10-12
Credits: 1/2 per semester
Prerequisite: None
Section 1-Classroom(Minto)
Section 2-Online
Instructor: Laura Fuqua

Agricultural Business Management (01035)

A course designed to introduce the students to agribusiness management in the free enterprise system. It includes a study of economic principles, budgeting, recordkeeping, finance, risk management, business law, marketing, and careers in agribusiness. Leadership development and supervised agricultural experience programs are an integral part of this course.

AFNR CAREER CLUSTER – Agribusiness Systems

Grade Level: 10-12
Credits: 1/2 per semester
Prerequisite: None
Section 1-Classroom(Minto)
Section 2-Online
Instructor: Laura Fuqua

Agricultural Sales and Service (01034)

To provide students with skills necessary for entry into employment or furthering education in agriculture sales and service. The course deals with business organizations, business structures, job responsibilities, job applications, and interviewing, human relations, marketing, selling, displaying, using business machines, business accounting, and management skills. Learning activities are varied with classroom, laboratory, and field experiences. Leadership development and supervised agricultural experience programs are an integral part of this course.

AFNR CAREER CLUSTER – Agribusiness Systems

Grade Level: 9-12
Credits: 1 per year
Prerequisite: None
Section 1-Classroom(Park River)
Section 2-Classroom(Minto)
Section 3-Classroom(NVCTC)
Instructors: Lane Bell
Laura Fuqua

Ag I: Introduction to Agriculture and FFA (01011)

This course is designed to introduce students to agriculture, its applications, and leadership development as the core foundation of the Agriculture Education program. Individual units will familiarize the student with basic mechanical theory and skills – emphasis will be placed on safety and proper use of tools and equipment; principles of evaluation and selection of beef, swine, sheep, horse, and dairy animals; soil and plant relationships that affect the production of food and fiber. Topics may include soils, irrigation, land judging, plants, crop and weed identification, range management, horticulture, nursery, diseases, insects, and chemicals.

AFNR CAREER CLUSTER – ALL

Agriculture Education



Grade Level: 9-12
Credits: 1 per year
Prerequisite: None
Section 1-Classroom(Park River)
Instructor: Lane Bell

Ag II: Foundations of Agriculture and FFA (01012)

This course introduces students to agricultural sciences emphasizing technical skills, entrepreneurship, and occupational opportunities. Units may include agricultural construction, food, fiber science, supervised agricultural experiences, and leadership development. Emphasis is on problem-solving and scientific reasoning applied to real-world problems integrating knowledge from the life and earth sciences. Foundations of Agriculture is a continuation of Introduction to Agriculture.

AFNR CAREER CLUSTER - ALL

Botany/Horticulture I (01053)

May count as a science credit.

This course teaches students how to grow and maintain greenhouse and nursery plants while exploring plant science, soils, and entomology. Students will study plant structures, functions, processes, and reproduction, along with environmental and conservation concepts. Landscape design units will prepare students to create and maintain outdoor spaces for homes and recreational areas. This course connects scientific principles to real-world agricultural applications and includes leadership development and supervised agricultural experiences.

AFNR CAREER CLUSTER - Natural Resources/Environmental Service Systems/Plant Systems

Grade Level: 10-12
Credits: 1 per year
Prerequisite: Priority given to students who have taken Intro to AFNR
Section 1-Classroom(NVCTC)
Section 2-Classroom(Cavalier)
Instructors: Laura Fuqua
Chelsey Holm

Botany/Horticulture II (01054)

May count as a science credit.

A continuation of Botany/Horticulture I.

AFNR CAREER CLUSTER - Natural Resources/Environmental Service Systems/Plant Systems

Grade Level: 11-12
Credits: 1 per year
Prerequisite:
Botany/Horticulture I

Agriculture Education



Grade Level: 9-12

Credits: 1 per year

Prerequisite: None

Section 1-Classroom(Cavalier)

Section 2-Classroom(Cavalier)

Instructor: Chelsey Holm

Introduction to Agriculture, Food, and Natural Resources (01080)

Introduction to AFNR (Agriculture, Food, and Natural Resources) will introduce students to the world of agriculture, the pathways they may pursue, and the science, mathematics, reading, and writing components they will use throughout the CASE curriculum. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics.

AFNR CAREER CLUSTER - ALL

Grade Level: 10-12

Credits: 1 per year

Prerequisite: None

Section 1-Classroom(Cavalier)

Section 2-Online

Instructors: Chelsey Holm
Lane Bell

Veterinary Science I (01067)

This course prepares students for careers in animal science by introducing veterinary practices for both large and small animals. Students will explore veterinary medicine history, professional ethics, and the human-animal bond while learning about animal anatomy, behavior, and disease identification. Hands-on lab and field investigations will teach students to conduct clinical exams, operate veterinary equipment, and determine proper nutrition for animal health. This course provides essential skills for careers in veterinary science and animal care.

AFNR CAREER CLUSTER - Animal Systems

Veterinary Science II (01061)

This course is a continuation of Veterinary Science.

AFNR CAREER CLUSTER - Animal Systems

Grade Level: 11-12

Credits: 1 per year

Prerequisite: Vet Science I

Grade Level: 10-12

Credits: 1 per year

Prerequisite: None

Section 1-Online

Instructor: Adam Riddle

Agronomy Science (01025)

Agronomy is the study of plants and how they relate to soil. This course will study units in such areas as principles of crop science, field crops, plant anatomy, plant physiology, and the basics of safe and sustainable food and fiber production.

AFNR CAREER CLUSTER - Plant Systems

Agriculture Education



Grade Level: 9-12
Credits: 1 per year
Prerequisite: Priority given to students who have taken Intro to AFNR

Food Science (01086)

Food Science is a specialization course in which students complete hands-on activities, projects, and problems that simulate actual concepts and situations in the food science and safety industry, allowing students to build content knowledge and technical skills. Students will investigate areas of food science, including food safety, food chemistry, food processing, food product development, and marketing

Grade Level: 9-12
Credits: 1 per year
Prerequisite: None
Section 1-Classroom(Drayton)
Section 2-Classroom(Park River)
Instructors: Adam Riddle
Lane Bell

Ag I: Agricultural Mechanics Tech (01043)

Agriculture Mechanics courses are designed to reinforce and extend students' understanding of applied mechanical applications by associating specific principles and concepts with relevant applications in mechanics-related fields. Students will be exposed to mechanical, fluid, electrical, and thermal power that is related to the field of agriculture.
AFNR CAREER CLUSTER - Environmental Services/Power, Structural, & Technical Systems

Grade Level: 9-12
Credits: 1 per year
Prerequisite: None
Section 1-Classroom(Park River)
Section 2-Classroom(Drayton)
Instructors: Lane Bell
Adam Riddle

Ag II: Mechanics Technology (01044)

Agriculture Mechanics courses are designed to reinforce and extend students' understanding of applied mechanical applications by associating specific principles and concepts with relevant applications in mechanics-related fields. Students will be exposed to mechanical, fluid, electrical, and thermal power that is related to the field of agriculture.
AFNR CAREER CLUSTER - Environmental Services/Power, Structural, & Technical Systems

Ag Power and Technology (01083)

Agricultural Power and Technology is a foundation-level course designed to prepare students for various career opportunities in agricultural engineering. Students are immersed in inquiry-based exercises that tie in the math and science of agricultural mechanics and engineering. Students apply technical skills while becoming competent in operating, repairing, engineering, and designing agricultural tools and equipment.

Grade Level: 9-12
Credits: 1 per year
Prerequisite: None

Agriculture Education



Grade Level: 9-12

Credits: 1 per year

Prerequisite: None

Section 1-Classroom(Drayton)

Instructor: Adam Riddle

Agriculture Mechanics (01045)

Agricultural Mechanics courses are designed to reinforce and extend students' understanding of applied mechanical applications by associating scientific principles and concepts with relevant applications in mechanics-related fields. Students will be exposed to fluid, electrical, and thermal power that are related to the field of agriculture. The course is designed to provide students with applied activities, which may include small engine maintenance and repair, agricultural power and equipment, electric motors and controls, robotics, renewable energy, and precision ag systems. Leadership development and supervised agricultural experiences are integral to this course.

AFNR CAREER CLUSTER - Power, Structural, & Technical Systems

Small Animal Care (01066)

This Course is designed to teach students about the management of small animals, which may include, but are not limited to, small mammals, amphibians, reptiles, avians, dogs, and cats. The student will understand the importance of responsible small animal ownership by explaining the domestication and use of small animals, the influence small animals and the small animal industry on society, and the hazards associated with working in the small animal industry.

AFNR CAREER CLUSTER - Animal Systems

Livestock Production (01061)

This course is designed to prepare students for careers in animal science and production in species, including, but not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry. The student will demonstrate technical skills relating to the interrelated human, botanical, scientific, and technological dimensions of animal systems and be able to access the importance of the United States' impact on world commodity markets while applying the principles of livestock breeding and nutrition in predicting the impact of current advances in genetics. The student is expected to describe common veterinary procedures and skills, practice proper animal restraint techniques, demonstrate identification techniques.

AFNR CAREER CLUSTER - Animal Systems

Grade Level: 9-12

Credits: 1 per year

Prerequisite: None

Section 1-Classroom(Park River)

Section 2-Classroom(Drayton)

Instructors: Lane Bell

Adam Riddle

Grade Level: 10-12

Credits: 1 per year

Prerequisite: None

Section 1-Classroom(Park River)

Instructor: Lane Bell

Agriculture Education



Grade Level: 9-12
Credits: 1 per year
Prerequisite: None
Section 1-Classroom(Drayton)
Instructor: Adam Riddle

Natural Environmental Resources (01063)

This course allows students to increase awareness of the close ties among living organisms. Natural and environmental concerns with the interrelationships of living organisms and the world around us. Leadership development and supervised agricultural experience programs are also integral to this course.

AFNR CAREER CLUSTER - Environmental/Natural Resources

Grade Level: 10-12
Credits: 1 per year
Prerequisite: AG I & II
Section 1-Classroom(Park River)
Instructor: Lane Bell

Agriculture III (01073)

This course develops agricultural skills necessary for employment, entrepreneurship, or further education in agriculture and agricultural occupations. Units may include crop and livestock production, farm business management, agribusiness, horticulture, natural resources, agricultural mechanics, aquaculture, and water management. Leadership development and supervised agricultural experiences will also be emphasized.

AFNR CAREER CLUSTER - ALL

Grade Level: 10-12
Credits: 1 per year
Prerequisite: AG I & II
Section 1-Classroom(Drayton)
Instructor: Adam Riddle

Agriculture IV (01074)

This course develops agricultural skills necessary for employment, entrepreneurship, or further education in agriculture and agricultural occupations. Units may include crop and livestock production, farm business management, agribusiness, horticulture, natural resources, agricultural mechanics, aquaculture, and water management. Leadership development and supervised agricultural experiences will also be emphasized.

AFNR CAREER CLUSTER - ALL

Automotive Technology



Grade Level: 10-12
Credits: 1 per year
Prerequisite: None
Classroom: NVCTC
Instructor: Tom Halcrow

Introduction to Auto Technology (17032)

To begin preparation for employment as an ASE-certified auto technician. This sequential course will include topics on vehicle engines, power transmission, steering, brakes, and electrical systems. This course will also explore the various careers in the Automotive industry. This course is a suggested prerequisite to Automotive Technology.

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CAREER
CLUSTER – Facility & Mobile Equipment Maintenance

Grade Level: 10-12
Credits: 2 per year
Prerequisite: None
Classroom: NVCTC
Instructor: Tom Halcrow

Auto Technology (2 hour) (17037)

This course covers in depth the safety and tools, engine service, suspension and steering, brakes, drive train, HVAC, electrical and engine performance.

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CAREER
CLUSTER – Facility & Mobile Equipment Maintenance

Grade Level: 12
Credits: 1 per year
Prerequisite: Priority given to seniors who currently hold a Class D License.
Classroom or Hybrid
Instructor: Bryan Stastny

Commercial Drivers License (CDL) (17045)

The focus of this class is to give the students an understanding of what is needed to obtain the CDL certification. You will start with the basics and move up to the finer points of the trade. Topics include required CDL Manual subjects such as General Knowledge, Air Brakes, and Combination Vehicle, as well as Tanker, Doubles/Triples, and Hazmat endorsements. Also covered are hours of service, weight and balance, vehicle out-of-service regulations, and National Safety Council professional truck driver DDC. At the end of the year students should have the skills needed to obtain a CDL permit and begin to work on the skills needed to pass the CDL drivers test.

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CAREER
CLUSTER – Transportation Operations

Business Education



Grade Level: 10-12

Credits: 1 per year

Prerequisite: None

Section 1-Classroom(NVCTC)

Section 2-Classroom(Cavalier)

Section 3-Classroom(Minto)

Instructors: Joey Demers

Mia Kotze

Jillian Hanson

Accounting I/II (14010/14011)

Accounting I: Students will learn the fundamentals of Accounting principles that include: terminology, accounting cycle, basic concepts, financial statements, roles of accountants and ethics in accounting. A manual simulation packet is integrated in the course.

Accounting II: Students will continue learning the fundamental concepts of Accounting. Topics covered include terminology, accounting cycle, basic concepts, financial statements, roles of accountants and ethics in accounting. An automated simulation packet is integrated in the course.

FINANCE CAREER CLUSTER – Accounting

Accounting III/IV (14012/14013)

Accounting III: Students will acquire a more thorough, in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will develop skills in analyzing and interpreting financial information common to businesses. A contemporary automated business simulation set that lets the students put accounting skills into practice is included.

Accounting IV: Students will continue to develop skills in analyzing and interpreting information common to corporate forms of organization, preparing formal statements and supporting schedules, and using inventory and budgetary control systems. Higher level corporate, managerial and cost accounting concepts are presented in this course. A contemporary automated simulation set that lets the student put accounting skills into practice is included.

FINANCE CAREER CLUSTER – Accounting

Introduction to Cybersecurity (27280)

Introduction to Cybersecurity covers trends in cybersecurity and career opportunities. Course modules will define cybersecurity, explain its importance, and introduce products and processes to secure data. Students will also explore why cybersecurity is critical in business and medical industries, how hackers use unsuspecting individuals to propagate malware, and why cybersecurity is a growing profession.

INFORMATION TECHNOLOGY CAREER CLUSTER – ALL

Grade Level: 11-12

Credits: 1 per year

Prerequisite:

Accounting I/II

Classroom/Hybrid

Instructor: Joey Demers

Grade Level: 9-12

Credits: 1 per year

Prerequisite: None

Classroom(Cavalier)

Instructor: Mia Kotze

Business Education



Grade Level: 9-12
Credits: 1 per year
Prerequisite: None

Developing Leaders (14060)

This class introduces students to communication methods, time management, and presentation skills. Through group projects, they research, prepare, and present formal and informal materials while developing leadership and soft skills. Guest speakers share insights, and students create a platform issue to benefit the community, building confidence and preparing for future careers.

BUSINESS MANAGEMENT & ADMINISTRATION CAREER CLUSTER - ALL

Grade Level: 9-12
Credits: 1 per year
Prerequisite: None
Section 1-Classroom(Cavalier)
Section 2/3-Classroom(NVCTC)
Section 4-Classroom(Minto)
Instructors: Mia Kotze
Susan Shuley
Jillian Hanson

Financial Literacy (14095)

Manage spending to meet financial goals and minimize the impact of financial obstacles. Learn how to control personal credit and debt. Explore how to boost personal earning capability. Put personal assets to work to build wealth. Understand how to use financial services in a sensible and cautious manner. Gain knowledge in protecting personal property, financial resources, and personal information.

BUSINESS MANAGEMENT & ADMINISTRATION CAREER CLUSTER - Administrative Support

Grade Level: 9-12
Credits: 1 per year
Prerequisite: None
Classroom(Minto)
Instructor: Jillian Hanson

Business Fundamentals (14230)

Students will be introduced to the world of business and prepare for the economic roles of consumer, worker, and citizen. The content may include a study of business environment and strategies for creating, financing, marketing and managing a business.

BUSINESS MANAGEMENT & ADMINISTRATION CAREER CLUSTER - ALL

Construction Technology



Grade Level: 10-12

Credits: 1 per year

Prerequisite: None

Section 1/2-Classroom(NVCTC)

Section 3/4-Classroom(Cavalier)

Instructors: RJ Sanders

Shon Horgan

Construction Technology (1 hour) (17100)

Learn about the construction industry. Students learn the basics of concrete, floor framing, wall framing, rafter and roof framing, shingling, and exterior finishing by completing construction projects.

ARCHITECTURE & CONSTRUCTION CAREER
CLUSTER – Construction

Grade Level: 11-12

Credits: 1 per year

Prerequisite: None

Section 1/2-Classroom(NVCTC)

Section 3-Classroom(Cavalier)

Instructors: RJ Sanders

Shon Horgan

Construction Technology (2 hour) (17117)

Students learn about various building materials, use and care of tools, and foundation, floor, wall, and roof construction while working on construction projects. Students are introduced to concrete, plumbing, and electrical installation, interior wall finishing, insulating, stair construction, and window and door installation.

ARCHITECTURE & CONSTRUCTION CAREER
CLUSTER – Construction

Grade Level: 10-12

Credits: 1 per year

Prerequisites: None

Classroom or Online

Advanced Drafting for Construction (17131)

Learn advanced drafting techniques including 3-D drawing using AutoCAD. Students will work on specialized projects.

ARCHITECTURE & CONSTRUCTION CAREER
CLUSTER – Design/Pre-Construction

Family and Consumer Sciences



Grade Level: 10-12

Credits: 1/2 per semester

Prerequisite: None

Classroom/Hybrid

Instructor: Katie Mondry

Child Development (09026)

1st Semester

Students will explore the parenting roles that most adults will assume at some time during their lives. Content will include readiness for parenthood, financial concerns of parenting, family communication and providing and environment for optimum child growth and development. Students will study how children grow and develop and foster acquisition of skills that promote healthy development of the individual. Content will include human growth and development, prenatal development and care, how children learn, processes in individual development, and current issues relating to children and families.

Grade Level: 10-12

Credits: 1/2 per semester

Prerequisite: None

Classroom/Hybrid

Instructor: Katie Mondry

Teaching Professional (09041)

2nd Semester

The overall goal is to provide opportunities for students to explore education as a career and examine teaching strategies, learning styles, time management and planning strategies, presentations and questioning skills, classroom management, and evaluation techniques. After earning credit in this course, students would be eligible to participate in an Education Cooperative Work Experience the following year/s where they will be paired up and work with a teacher putting the skills they learned to use.

Health Science



Grade Level: 10-12

Credits: 1/2 per semester

Prerequisite: None

Classroom/Hybrid

Instructor: Val Heuchert

Introduction in Nursing (07038)

2nd Semester

This course introduces students to professional nursing roles and attributes encompassing fundamental human needs, the nursing process, judgment, ethical professionalism, and concepts of health promotion and disease prevention. This course emphasizes the legal and ethical considerations shaping nursing roles, while also exploring professional standards, scope of practice, and the impact of social forces on nursing within the healthcare delivery system.

HEALTH SCIENCE CAREER CLUSTER – Therapeutic Services

Basic Patient Care (07032)

The Nursing Assistant Training program prepares students for careers as a certified nurse assistant in a skilled nursing facility, acute care, or home health care through classroom instruction and clinical practice. Topics include geriatric care, medical abbreviations, safety promotion, medical math, and CNA training. Students may challenge the CNA exam through the North Dakota Board of Nursing, a key step for college health science programs. Opportunities for First Aid and CPR certification may also be available.

HEALTH SCIENCE CAREER CLUSTER – Therapeutic Services

Health Science I or II (07033/07035)

This course introduces students to core concepts related to various health careers. Topics include medical terminology, human anatomy and physiology, health care systems, infection control, and the role of technology in medicine. Students will explore the history of health care, human growth and development, and key body systems while gaining foundational knowledge for future medical studies. The curriculum rotates every other year, allowing students to take the course for two consecutive years.

HEALTH SCIENCE CAREER CLUSTER – Therapeutic Services

Grade Level: 10-12

Credits: 1 per year

Prerequisite: None

Section 1/2-Classroom(NVCTC)

Section 3-Classroom(Cavalier)

Instructors: Val Heuchert

Laurel Crosby

Grade Level: 10-12

Credits: 1 per year

Prerequisite: None

Section 1-Classroom/Hybrid

Section 2-Classroom(NVCTC)

Section 3-Classroom(Cavalier)

Instructors: Val Heuchert

Laurel Crosby

Health Science



Grade Level: 11-12

Credits: 1/2 per semester

Prerequisite: None

Section 1-Classroom/Hybrid

Section 2-Classroom(Cavalier)

Instructors: Val Heuchert

Laurel Crosby

Medical Terminology (07036)

1st Semester

Introduces students to the health information technology field. Students will learn prefixes, suffixes, and root words while building a medical vocabulary based on body systems. Topics include anatomy, physiology, pathological conditions, diagnostic procedures, and common medical abbreviations. *This class is available for three college credits through Lake Region State College.*

HEALTH SCIENCE CAREER CLUSTER – Therapeutic Services

Grade Level: 10-12

Credits: 1 per year

Prerequisite: None

Section 1-Classroom(NVCTC)

Section 2-Classroom(Cavalier)

Instructors: Val Heuchert

Laurel Crosby

Sports Medicine (07034)

This course provides the student with a background in athletic training and basic health care. The course emphasizes injury prevention, first responder management daily for athletic injuries, and skills to fulfill the activities of daily living. Students will be able to complete the requirements to become a student athletic trainer.

HEALTH SCIENCE CAREER CLUSTER – Therapeutic Services

Marketing Education



Grade Level: 10-12
Credits: 1 per year
Prerequisite: None
Classroom(NVCTC)
Instructor: Joey Demers

Marketing I (04210)

This course is designed to develop students' understanding and skills in such areas as business law, communication skills, customer relations, economics, emotional intelligence, financial analysis, human resource management, information management, marketing operations, professional development, and strategic management. Students acquire knowledge of fundamental business activities and factors affecting business, develop verbal and written communication skills, use information literacy skills, utilize job-seeking strategies, and participate in career planning.

MARKETING CAREER CLUSTER - ALL

Grade Level: 11-12
Credits: 1 per year
Prerequisite: 1
Marketing or Business Credit
Section 1-Classroom(NVCTC)
Section 2-Classroom(Minto)
Instructors: Joey Demers

Model Store (DECA Depot) (04290)

This course is designed to prepare students for employment. The DECA Depot provides a model store complete with modern business equipment. Retail operation and marketing activities integrated with classroom learning, including involvement in real work situations, various store responsibilities and other relevant activities; participation in total store operations by student rotation through the store departments of management, merchandising, sales promotion, and controlling.

MARKETING CAREER CLUSTER - ALL

Grade Level: 9-12
Credits: 1 per year
Prerequisite: None
Classroom(Minto)
Instructors: Jillian Hanson

Hospitality and Tourism Marketing (04245)

This course will provide the student with an understanding of one of the largest industries in the world. Specific applications include marketing, promoting, and selling product of airlines, international travel, ground transportation, cruising, hotel and lodging, restaurants, and tours.

MARKETING CAREER CLUSTER - MARKETING MANAGEMENT

Marketing Education



Grade Level: 9-12

Credits: 1/2 per semester

Prerequisite: None

Classroom(NVCTC)

Instructor: Joey Demers

Multimedia (04235)

1st Semester

Designed to allow students to use digital images and videos to create meaningful documentation, production, and presentations. Images, logos, backgrounds, and navigation tools for digital display will be used in multimedia and Internet applications. The topics of image-editing, and planning for multimedia applications will also be discussed. Enhancements include proper format and appropriate use of graphics, animations, and transitions.

MARKETING CAREER CLUSTER – ALL

Grade Level: 9-12

Credits: 1/2 per semester

Prerequisite: None

Section 1/2-Classroom(NVCTC)

Section 3-Classroom(Minto)

Instructors: Joey Demers

Jillian Hanson

Principles of Marketing (04080)

2nd Semester

An introductory course that develops student understanding and skills in such areas as business law, communication skills, customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Students acquire knowledge of fundamental business activities and factors affecting business, develop verbal and written communication skills, use information literacy skills, utilize job-seeking strategies, and participate in career planning.

MARKETING CAREER CLUSTER – ALL

Grade Level: 10-12

Credits: 1 per year

Prerequisite: None

Section 1-Classroom/Hybrid

Section 2-Online

Section 3-Classroom(Minto)

Instructors: Joey Demers

Jillian Hanson

Sports and Entertainment Marketing (04240)

One of the largest industries in the world, sports marketing provides a unique way of looking at the business world. This course will focus on the two main aspects of sports and entertainment marketing: 1) The marketing of sports and entertainment, and 2) The marketing of non-sports products and services through sports. You will discover why companies pay to be associated with a team or entertainer, how to develop ticket plans to fill the seats in the arena, why targeting your marketing efforts is so important, and more.

MARKETING CAREER CLUSTER – Professional
Sales/Merchandising/Marketing Communication

Welding and Manufacturing



Grade Level: 9-12
Credits: 1 per year
Prerequisite: None
Classroom(NVCTC)
Instructor: Tom Halcrow

Emerging Technology (17113)

An applied technology course studying our ever changing technology in today's society. A hands-on course designed to further students' knowledge in some of the more advanced, as well as practical technology fields. This is aided by the use of such equipment as a CNC lathe/mill to produce self-designed products. Students will also receive training in other CNC areas such as in the laser engraver, plasma table, router, 3D printer, and embroidery machine.

MANUFACTURING CAREER CLUSTER – Production

Grade Level: 10-12
Credits: 2 per year
Prerequisite: Priority given to students who have taken Emerging Technology
Instructor:

Advanced Manufacturing (2 hour) (17230)

Covers the theory and shop work related to teaching safe and intelligent operation of machines found in industry are emphasized. Students will learn about the manufacturing industry's concepts and career opportunities. Course offerings will include machining, blueprint reading, fabrication, robotics, assembly, industry terminology, safety, tools, milling, electrical principles, and measurement.

MANUFACTURING CAREER CLUSTER – Production

Grade Level: 10-12
Credits: 1 or 2 per year
Prerequisite: None
Classroom/Hybrid
Instructor: Bryan Stastny

Welding Technology (17236-1 credit/17237-2 credits)

Students learn the various welding processes: Oxy-Fuel weld and cutting, Shielded metal arc weld (Stick), Gas metal arc weld and Flux core arc weld (wire feed), Gas tungsten arc weld (Tig), Plasma arc cutting, and Air arc gouging. General shop safety and theory of each weld process along with blueprint reading, weld symbols, weld joints and positions, and properties of metals are studied. Students completing required standards will be eligible to test for A.W.S. entry level weld certification. *This class is available for three college credits through NDSCS.*

MANUFACTURING CAREER CLUSTER – Production

Work-Based Learning

Grade Level: 9-11
Credits: 1 per year
Prerequisite: 1 credit in any program area

Summer Internship

A temporary position that allows students to gain practical work experience in a specific field. It is a valuable opportunity for high school students to apply what they have learned in the classroom to real-world situations. During an internship, students work closely with professionals in their chosen field, gaining hands-on experience, developing new skills, and building professional networks that can help them in their future careers.

Grade Level: 11-12
Credits: 4 per year
Prerequisite: 2 credits in one pathway

Cooperative Work Experience

This course provides students with a regularly scheduled, supervised employment opportunity during school hours to develop and improve work skills consistent with the student's occupational goals. The employment must be preceded by, or concurrent with, classroom instruction related to the work experience.

MISO3 Codes

Agriculture Education: 01999

Business Education: 14999

Family and Consumer Science: 09299

Health Science: 07999

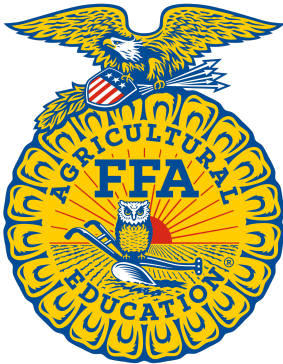
Marketing Education: 04999

Trade and Industry: 17999

Career and Technical Student Organizations

Joining a career & technical student organization (CTSO) is a great way to grow your leadership skills and ensure that you are career ready. Each student organization is affiliated with a CTE program area.

Agriculture Education



Business Education



Health Science



Marketing Education



Trade and Industry



To learn more about getting involved, talk to your instructor.