

GRANTON HIGH SCHOOL

Home of the Bulldogs.

ACADEMIC AND CAREER PLANNING GUIDE 2020-2021

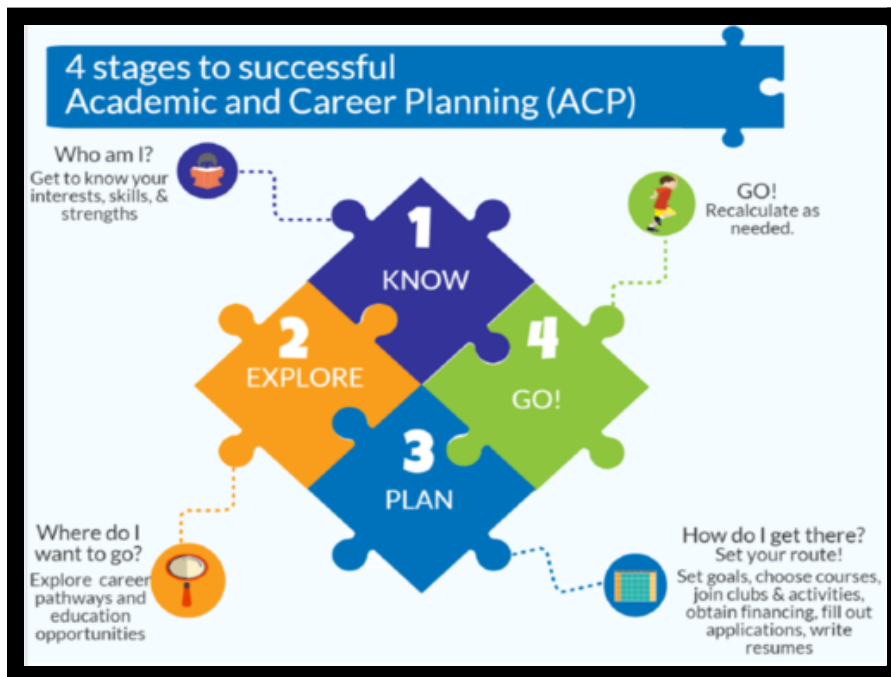
This guide includes:

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Vision for our Graduates

The educational opportunities provided at Granton Area Schools are designed to enable students to gain knowledge, work skills, learn acceptable social concepts, and develop appreciations and values, which shall help them become college and career ready and responsible members for their community.



High School Directory
Office: 217 North Main Street,
Granton, WI
715-238-7175

District Administrator:
James Kuchta

Principal:
Amanda Kraus

K-12 School Counselor:
Shelly Schmitz

Academic and Career Planning
Coordinators: Shelly Schmitz, Ryan
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Mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW Washington, D.C. 20250-9410;
Fax: [202-690-7442](tel:202-690-7442); or Email: program.intake@usda.gov.

Academic and Career Planning Information

We Are Bulldog Nation.

Career Clusters Prepare All Students for College, Technical Training, Apprenticeships and Careers

Investigate careers and post-secondary education: <https://student.xello.world/about-me>

For login help, contact your homeroom advisor or school counselor.

Career Clusters prepare all students for careers and post-secondary education.

The nature of work has changed over time. Tomorrow's jobs will require more knowledge, better skills, and more flexible workers than ever before. Tomorrow's workers must be prepared to change jobs and/or careers several times, continually updating their knowledge and skills. To prepare today's students for tomorrow, Granton High School is working to help students achieve in challenging subjects. A key approach to this goal is to provide students with relevant instruction. Career clusters link what students learn in school with the knowledge and skills they need for success in careers and post-secondary education. Career clusters identify pathways from secondary school to two- and four-year college, graduate school, and the workplace so that students can learn in school what they can do in the future. This connection to future goals motivates students to work harder and enroll in more rigorous courses.

How to use this Career Cluster Guide...

1. Select the career cluster that interests you. There are sixteen career clusters. They are:

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communication
- Business, Management & Administration
- Education & Training
- Finance
- Government & Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety & Security
- Manufacturing
- Marketing, Sales & Services
- Science Technology, Engineering & Mathematics
- Transportation, Distribution & Logistics

2. Look at the pathways and careers in this cluster. Research your top career choices using the Xello website. Talk to your advisor or school counselor for Xello login information. You can also access the website from the district's home page under Student Links. You can access the web site at school or at home. Not every career is listed on the web site but you will find information on every career cluster. If your specific career choice is not listed, select "Occupations" from the top menu list and then "Browse Occupations" and "pick a career cluster." You will then be able to look at careers within your career cluster choice. Pay particular attention to the helpful high school courses as you select classes.

3. Use the course planning page to plan your path to achieving your career goals. Read about each course in the course Selection Guide section of this booklet. As you progress through high school, your career goals might change. Each year you will review and update your plan.

4. Work with your school counselor to make sure you are meeting graduation requirements as well as the requirements for the post-secondary institution of your choice.

5. Pay special attention to course schedules that indicate when courses are offered. Many courses are offered every other year or even every three years. Courses may be offered:

Yearly = at least once every school year

Even numbered years = only in school years that **begin** with even numbers
(2022-2023, 2024-2025, etc.)

Odd numbered years = only in school years that **begin** with odd numbers
(2023-2024, 2025-2026, etc.)

Every third year = offered on a three-year rotation; refer to specific schedules within the course selection guide



Agriculture, Food, & Natural Resources

This diverse Career Cluster prepares learners for careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products. It also includes related professional, technical and educational services.

The Seven Pathways

<p>Plant Systems</p> <ul style="list-style-type: none"> • Plant Breeder and Geneticist • Soil and Water Specialist • Certified Crop Advisor • Botanist • Tree Surgeon • Education and Extension Specialist • Golf Course Superintendent • Greenhouse Manager • Forest Genetics 	<p>Animal Systems</p> <ul style="list-style-type: none"> • Animal Geneticist • Aquaculturalist • Animal Nutritionist • Animal Scientist • Poultry Manager • Embryo Technologist • Veterinarian • Feed Sales Representative • Artificial Insemination Technician 	<p>Natural Resource Systems</p> <ul style="list-style-type: none"> • Wildlife Manager or Technician • Water Monitoring Technician • Park Manager or Technician • Natural History Interpreter • Fish and Game Officer • Forest Worker or Logger • Forest Manager or Technician
<p>Environmental Service Systems</p> <ul style="list-style-type: none"> • Pollution Prevention and Control Manager • Environmental Sampling Technician • Health and Safety Sanitarian • Hazardous Materials Handler • Water Environment Manager • Toxicologist • Solid Waste Disposer/Recycler • Environmental Compliance Assurance Manager 	<p>Food Products and Processing Systems</p> <ul style="list-style-type: none"> • Food Scientist • Bacteriologist • Food and Drug Inspector • Toxicologist • Biochemist • Meat Cutter-Grader • Product Buyer • Meat Processor 	<p>Power, Structural and Technical Systems</p> <ul style="list-style-type: none"> • Remote Sensing Specialist • Global Positioning System Technician • Electronics Systems Technician • Agricultural Engineer • Recycling Technician • Equipment Parts Manager • Machinist • Communications Technician
<p>Agribusiness Systems</p> <ul style="list-style-type: none"> • International Agri-Marketing Specialist • Agricultural Loan Officer • Agricultural Commodity Broker • Farm/Ranch Manager • Agricultural Economist • Livestock Buyer/Seller • Feed/Farm Supply Store Manager • Agricultural Products Buyer • Agricultural Salesperson 		

High school courses for supporting knowledge in Agriculture, Food, & Natural Resources careers

<p><u>Agriculture:</u> All Ag classes</p> <p><u>Art:</u> Graphic Design</p> <p><u>Business:</u> Computer Applications Intro to Business Accounting Business & Personal Law Intro to Marketing</p>	<p><u>English:</u> Oral Communication Real World Writing</p> <p><u>Foreign Language:</u> Spanish</p> <p><u>Math:</u> Pre-Calculus</p> <p><u>Science:</u> Chemistry</p>	<p><u>Work-based Learning:</u> Youth Apprenticeship Supervised Work Experience</p> <p><u>Co-Curricular:</u> FFA</p>
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Investigate careers and post-secondary education at WISCareers:

www.xello.com



Architecture & Construction

This diverse Career Cluster prepares learners for careers in designing, planning, managing, building and maintaining the building environment. People employed in this cluster work on new structures, restorations, additions, alterations and repairs.

The Three Pathways

Design/Pre-Construction

- Architect
- Architectural Engineer
- Computer Information Systems Manager/Designer
- Computer-Aided Drafter (CAD)
- Landscape Designer
- Renderer (traditional and computer)
- Surveyor
- Urban Planner/Designer

Construction

- Carpenter
- Electrician
- General Contractor
- Iron/Metalworker
- Pipe Fitter
- Project Inspector
- Project Manager
- Safety Director

Maintenance/Operations

- Boilermaker
- Demolition Engineer
- Equipment Operator
- Highway Worker
- Maintenance Planner/Scheduler
- Millwright
- Specialty Contractor
- Thermal Control Technician

High school courses for supporting knowledge in Architecture & Construction careers

<p><u>Agriculture</u> Landscape Management Natural Resources GPS and GIS</p> <p><u>Art:</u> Sculpture Drawing Industrial Design</p>	<p><u>Business:</u> Business & Personal Law Personal Finance Accounting</p> <p><u>English:</u> Oral Communications Real World Writing</p> <p><u>Math:</u> Pre-Calculus Technical Math</p>	<p><u>Science:</u> Physics</p> <p><u>Technology Education:</u> Materials and Processing Intro to Auto Cad Woods 1 and 2 Industrial Design Building and Construction Home & Auto Repair</p>	<p><u>Work-based Learning:</u> Youth Apprenticeship Supervised Work Experience</p> <p><u>Co-Curricular Activities:</u> Visioneers</p>
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Arts, A/V Technology & Communications
Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

The Six Pathways

Audio and Video Technology and Film

- Audio-visual Systems Technician
- Sound Board Operator
- Lighting Technician
- Install/installation Engineer/rigger
- Service Technician
- Field Technician

Journalism and Broadcasting

- Broadcast Field Supervisor
- Broadcast and Sound Technician
- Camera Operator
- News Analyst
- Reporter
- Correspondent

Performing Arts

- Actor/actress
- Set Designer
- Stage Crew
- Musician
- Singer
- Conductor
- Dance Instructor
- Voice Instructor
- Playwright
- Instrumental Music Educator

Visual Art

- Painter
- Sculptor
- Print Maker
- Illustrator
- Fashion Artist
- Cartoonist
- Animator
- Graphic Designer
- Commercial Photographer
- Art Director

High school courses for supporting knowledge in Arts, A/V Technology & Communications careers

<p><u>Agriculture:</u> Landscape Management</p> <p><u>Art:</u> Industrial Design Graphic Design Drawing Painting Ceramics Sculpture</p>	<p><u>Business:</u> Computer Applications Intro to Web Design</p> <p><u>English:</u> Any writing course</p> <p><u>Foreign Language:</u> Spanish</p>	<p><u>Music:</u> Band Choir</p> <p><u>Technology Education</u> <i>Intro to Auto Cad</i></p>	<p><u>Work-based Learning:</u> Youth Apprenticeship Supervised Work Experience</p> <p><u>Co-Curricular:</u> Yearbook Forensics Visioneers</p>
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Business, Management & Administration
Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operation. Business Management and Administration career opportunities are available in every sector of the economy.

The Six Pathways

Management

- Entrepreneur
- General Manager
- Public Relations Manager
- Hospital Manager
- Risk Manager

Business Financial Management and Accounting

- Accountant
- Adjuster
- Auditor
- Bookkeeper
- Billing Supervisor
- Price Analyst
- Treasurer
- Accounts Payable Clerk
- Billing Clerk

Business Analysis

- Budget Analyst
- Compensation Analyst
- Cost Analyst
- Database Business Analyst
- Investment Analyst
- Marketing Analyst

Administration and Information Support

- Administrative Assistant
- Executive Assistant
- Office Manager
- Desktop Publisher
- Customer Service Assistant
- Data Entry Specialist
- Receptionist
- Word Processor

Human Resources

- Human Resources Manager
- Compensation and Benefits Manager
- Training and Development Specialist
- Labor and Personnel Specialist
- Equal Employment Opportunity Specialist
- OSHA/ADA Compliance Officer
- Meeting and Convention Planner
- Personnel Recruiter

Marketing

- Marketing Manager
- Store Manager
- Customer Service Supervisor
- Retail Salesperson
- Wholesale or Retail Buyer
- Public Relations Specialist
- Advertising Agent
- Telemarketer

High school courses for supporting knowledge in Business, Management & Administration careers

Agriculture

Agribusiness Management

Art

Graphic Design
 Drawing
 Painting

Business

Computer Applications
 Intro to Business
 Intro to Business Law
 Intro to Marketing
 Accounting

English

Any writing course

Foreign Language

Spanish

Work-based learning Opportunities

Youth Apprenticeship
 Supervised Work Experience
 Job Shadows

Co-Curricular Activities

Student Council
 FFA
 Forensics
 Visioneers



Education & Training

Planning, managing and providing education and training services, and related learning support services.

The Three Pathways

Teaching and Training

- Preschool or Kindergarten Teacher, Aide
- Elementary Teacher, Aide
- Secondary Teacher, Aide
- Special Education Teacher, Aide
- College/University Lecturer Professor
- Management Development Trainer
- Human Resource Trainer
- Coach
- Child Care Director
- Early Childhood Teacher, Assistant

Professional Support Services

- Psychologists—Clinical, Developmental, Social
- Social Worker
- Parent Educator
- Counselor
- Speech-Language Pathologist and Audiologist

Administration and Administrative Support

- Superintendent
- Principal
- Director of Training
- Supervisor
- Instructional Coordinator
- Education Researcher
- College President
- Dean
- Curriculum Developer
- Instructional Media Designer

High school courses for supporting knowledge in Education & Training careers

<u>Agriculture</u> Personal Leadership Career Leadership	<u>Business</u> Computer Applications	<u>English</u> Literature courses Writing courses	<u>Foreign Language</u> Spanish
<u>Social Studies</u> Psychology	<u>Work-based Learning Opportunities</u> Teacher Assistant Job Shadow Youth Apprenticeship	<u>Co-Curricular Activities</u> Student Council Forensics FFA	



Finance
The Finance Cluster prepares learners for careers in financial and investment planning, banking, insurance, and business financial management.

The Four Pathways

Financial and Investment Planning

- Personal Financial Advisor
- Tax Preparer
- Sales Agent for Securities and Commodities
- Investment Advisor
- Brokerage Clerk
- Development Officer

Business Financial Management

- Accountant
- Financial Analyst
- Controller
- Chief Revenue Agent
- Auditor
- Economist
- Tax Examiner
- Collector
- Revenue Agent

Banking and Related Services

- Loan Officer
- Bill and Account Collector
- Teller
- Loan Processor
- Data Processor
- Internal Auditor
- Title Researcher and Examiner
- Debt Counselor

Insurance Services

- Claims Agent
- Examiner
- Claims Clerk
- Insurance Appraiser
- Underwriter
- Actuary
- Sales Agent
- Customer Service Agent
- Processing Clerk

Investigate careers and post-secondary education at Career Cruising:

www.xello.com

High school courses for supporting knowledge in Finance careers

<p><u>Business:</u> Accounting Computer Applications Business and Personal Law Personal Finance</p>	<p><u>Math:</u> Pre-Calculus <u>Social Studies:</u> Economics</p>	<p><u>Work Based Learning Opportunities</u> Youth Apprenticeship Supervised Work Experience <u>Co-Curricular Activities:</u> Forensics FFA</p>
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Government & Public Administration
Executing governmental functions to include Governance; National Security; Foreign Service, Planning; Revenue and Taxation; Regulations; and Management and Administration at the local, state, and federal levels.

The Seven Pathways

Governance

- Legislative Assistant
- Congressional Aide
- Lobbyist
- Country Commissioner
- Senator
- Representative
- Mayor
- Governor
- Lieutenant Governor

National Security

- Combat Control Officer
- Missile and Space Systems Officer
- Submarine Officer
- Infantry Officer and Specialist
- Air Defense Artillery Officer
- Military Intelligence Officer
- Cryptographer

Foreign Service

- Foreign Service Officer
- Diplomatic Officer
- Consular Officer
- Ambassador
- Diplomatic Courier

Public Management and Administration

- Court Administrator or Clerk
- City or County Clerk
- City Council Member
- City Manager
- Purchasing Manager

Revenue and Taxation

- Tax Examiner
- Tax Clerk
- Revenue Agent
- Internal Revenue Investigator

- Auditor

Regulation

- Investigator/Examiner
- Code Inspector
- Bank Examiner
- Election Supervisor
- Child Support Officer
- Cargo Inspector
- Border Inspector
- Aviation Safety Officer

Planning

- Planner
- Census Enumerator
- Census Clerk
- Federal Aid Coordinator
- Economic Development Coordinator
- Chief of Vital Statistics

High school courses for supporting knowledge in Government & Public Administration careers

Business:
 Business & Personal Law
 Accounting I
 Computer Applications
 Personal Finance
Foreign Language
 Spanish
 French

English:
 Writer's Workshop

Contemporary Nonfiction
Social Studies:
 Sociology
 Political Science
Work based Learning Opportunities:
 Financial Services Youth
 Apprenticeship

Co-Curricular Activities:
 Future Business Leaders of America
 Student Council
 Forensics



Health Science

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

The Five Pathways

Health Informatics

- Admitting Clerk
- Data Analyst
- Health Care Administrator
- Health Information Coder
- Medical Biller
- Transcriptionist

Support Services

- Biomedical Clinical Engineer
- Central Services Technician
- Dietary Technician
- Hospital Maintenance Engineer
- Materials Management Technician
- Medical Information Technologist

- Medical Librarian
- Reimbursement Specialist

Diagnostic Services

- Geneticist
- Medical Lab Technologist
- Nuclear Medicine Technologist
- Pathologist
- Phlebotomist
- Radiologic Technologist

Biotechnology Research and Development

- Bioinformatics Specialist
- Biostatistician
- Molecular Biologist

- Pharmacist
- Microbiologist
- Research Assistant

Therapeutic Services

- Athletic Trainer
- Certified Nurse Assistant
- Dental Hygienist
- Paramedic
- Pharmacist
- Physical Therapist
- Registered Nurse
- Respiratory Therapist
- Surgical Technician
- Physician

High school courses for supporting knowledge in Health Science careers

Agriculture:

Vet Science

Business:

Computer Applications
Accounting I

Foreign Language

Math:

Pre-Calculus

Science:

Anatomy & Physiology
Advanced Biology

Chemistry
Advanced Biology or Microbiology

Health

Medical Terminology

Work based Learning Opportunities:

Health Services Youth Apprenticeship

Co-Curricular Activities:

FFA



Hospitality & Tourism
Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.

The Four Pathways

Restaurant and Food/Beverage Services

- Food and Beverage Manager
- Catering and Banquets Manager
- Maitre'd
- Restaurant Owner
- Executive Chef
- Pastry and Specialty Chef
- Cook
- Bartender and Server
- Banquet Setup Employee
- Room Service Attendant

Lodging

- Front Office Manager
- Executive Housekeeper
- Director of Sales and Marketing
- Director of Operations
- Rooms Division Manager
- Front Desk Supervisor
- Reservations Supervisor
- Bell Captain
- Sales Professional
- Reservationist
- Guest Room Attendant

Travel and Tourism

- Event Planner
- Convention Services Manager

- Destination Manager
- Heritage Tourism Developer
- Interpreter
- Meeting Planner
- Tour Guide
- Tour Operator
- Travel Agent
- Tour and Ticket Reservationist
- Tourism Marketing Specialist
- Welcome Center Supervisor

Recreation, Amusements and Attractions

- Club Manager

- Club Event Planner
- Club Membership Developer
- Parks and Garden Director
- Resort Instructor
- Gaming and Casino Supervisor
- Fair/Festival Event Planner
- Fairs/Festival Promotional Developer

High school courses for supporting knowledge in Hospitality & Tourism careers

Agriculture:

Food Science

Art:

Graphic Design

Advanced Design Problems

Business:

Accounting

Computer Applications

Business & Personal Law

Hospitality Management

Foreign Language

Social Studies:

Sociology

Psychology

Science:

Chemistry

Work based Learning Opportunities:

Lodging Management Youth Apprenticeship

Co-Curricular Activities:

Future Business Leaders of America



Human Services
Preparing individuals for employment in career paths that address human needs. Hospitality & Tourism encompasses operations of restaurants and other foodservices, events and travel related services.

The Five Pathways

Early Childhood Development and Services

- Assistant Director Childcare Facilities
- Childcare Assistant/Worker
- Director, Childcare Facilities
- Educator for Parents
- Nanny
- Preschool Teacher
- Teacher’s Assistant

Counseling and Mental Health Services

- Career Counselor
- Clinical and Counseling Psychologist
- HIV/Aids Counselor
- Marriage, Child and Family Counselor
- Mental Health Counselor
- Rehabilitation Counselor
- Residential Counselor
- School Counselor
- Substance Abuse and Behavioral Disorder Counselor

Family and Community Services

- Adult Day Care Worker
- Community Service Director
- Coordinator of Volunteers
- Director, Religious Activities/Education Programs
- Emergency and Relief Worker
- Geriatric Service Worker
- Grief Counselor
- Social and Human Services Assistant
- Social Services Worker

Personal Care Services

- Cosmetologist
- Embalmer
- Funeral Attendant
- Funeral Director
- Nail Technician
- Personal Trainer
- Skin Care Specialist
- Spa Attendant

Consumer Services

- Consumer Advocate
- Consumer Affairs Officer
- Consumer Credit Counselor
- Consumer Research Department Representative
- Customer Service Representative
- Employee Benefits Representative
- Market Researcher

High school courses for supporting knowledge in Human Services careers

Business:
 Business & Personal Law
 Personal Finance
English:
 Written Communications
 Fundamentals of Speech
Foreign Language
Math:
 Advanced Math

Science:
 Anatomy and Physiology
 Chemistry
Social Studies:
 Sociology
 Globalization & American Perspective
Co-Curricular Activities:
 Future Business Leaders of America



Information Technology

Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.

The Four Pathways

Network Systems

- Network Administrator
- Network Technician
- PC Support Specialist
- Telecommunications Network Technician
- Data Communications Analyst
- Security Administrator

Information Support and Services

- Database Administrator
- Enterprise Systems Engineer
- Help Desk Specialist
- Technical Support Engineer
- Technical Writer
- Instructional Designer

Application Integrator Programming and Software Development

- Software Applications Architect
- Operating Systems Design/Engineer
- Computer Programmer
- Game Programmer

Applications Engineer Interactive Media

- Web Designer
- Webmaster
- 3D Animator
- Virtual Reality Specialist
- Multimedia Producer
- Graphic Artist

Investigate careers and post-secondary education at Career Cruising: <https://sso.careercruising.com/Page/openidconnect>

For login help, contact your homeroom advisor or school counselor.

High school courses for supporting knowledge in Information Technology careers

<p><u>Agriculture:</u> Computers in Agricultural Entrepreneurship</p> <p><u>Art:</u> Graphic Design</p>	<p><u>Business</u> Computer Applications Intro to Web Design</p> <p><u>Math:</u> Pre-Calculus</p> <p><u>Science:</u> Chemistry</p>	<p><u>Work based Learning Opportunities</u> Youth Apprenticeship Supervised Work Experience</p> <p><u>Co-Curricular Activities:</u> Visual Arts Yearbook (Publications) e-sports team</p>
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Law, Public Safety, Corrections & Security
Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

The Five Pathways

Correction Services

- Warden
- Jail Administrator
- Program Coordinator and Counselor
- Public Information Officer
- Correctional Trainer
- Case Manager
- Community Corrections Practitioner
- Probation/Parole Officer
- Corrections Officer
- Detention Deputy
- Youth Services Worker

Legal Services

- Judge
- Magistrate
- Attorney
- Case Management Specialist
- Legal Assistant
- File and Document Manager
- Investigator

- Law Clerk

Security and Protective Services

- Security Director
- Security Systems Designer
- Physical Security Specialist
- Information Systems Security Specialist
- Computer Forensics Specialist
- Private/Corporate Investigator
- Security Trainer/Educator
- Loss Prevention Specialist
- Security Systems Technician
- Certified Security Officer
- Armored Car Guard

Law Enforcement Services

- Criminal Investigator and Special Agent
- Immigration and Customs Inspector
- Federal Marshall

- Police Detective and Criminal Investigator
- Police, Fire and Ambulance Dispatcher
- Sheriff and Deputy Sheriff
- Private Detective and Investigator
- Police and Patrol Officer
- Evidence Technician

Emergency and Fire Management Services

- Emergency Management and Response Coordinator
- Emergency Planning Manager
- Emergency Medical Technician
- Fire Fighter
- Hazardous Materials Responder
- Dispatcher
- Training Officer
- Rescue Worker

High school courses for supporting knowledge in Law, Public Safety, Corrections & Security careers

<p><u>Agriculture:</u> Career Leadership</p> <p><u>Business</u> Business and Personal Law Personal Finance</p> <p><u>Foreign Language</u> Spanish</p>	<p><u>Science</u> Chemistry Anatomy and Physiology Microbiology</p> <p><u>Social Studies</u> Sociology Psychology</p>	<p><u>Work Based Learning Opportunities</u> Youth Apprenticeship Supervised Work Experience</p> <p><u>Co-Curricular Activities</u> FBLA Student Council Forensics FFA</p>
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Manufacturing

Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

The Six Pathways

Production

- Assemblers
- Automated Manufacturing Technicians
- Bookbinders
- Calibration Technicians
- Electromechanical Equipment Assemblers
- Extruding and Drawing Machine Operators
- Medical Appliance Makers
- Tool and Die Makers

Quality Assurance

- Calibration Technicians
- Inspectors
- Lab Technician
- Process Control Technicians
- Quality Control Technicians
- Quality Engineers

Manufacturing Production Process Development

- Design Engineers
- Industrial Engineers
- Labor Relations Managers
- Manufacturing Engineers
- Power Generating and Reactor Plant Operators
- Precision Inspectors, Testers and Graders
- Process Improvement Technicians
- Production Managers

Maintenance, Installation and Repair

- Biomedical Equipment Technicians
- Communication System Installers/Repairers
- Instrument Control Technicians
- Job/Fixture Designers
- Laser Systems Technicians
- Meter Installers/Repairers
- Security System Installers/Repairers

Logistics and Inventory Control

- Dispatchers
- Freight, Stock and Material Movers
- Industrial Truck and Tractor Operators
- Logistical Engineers
- Logisticians
- Material Handlers
- Process Improvement Technicians
- Traffic Managers

Health, Safety and Environmental Assurance

- Environmental Engineers
- Environmental Specialists
- Health and Safety Representatives
- Safety Coordinators
- Safety Engineers
- Safety Team Leaders
- Safety Technicians

High school courses for supporting knowledge in Manufacturing careers

<p><u>Business</u> Computer Applications Accounting Personal Finance <u>Foreign Language</u> Spanish</p>	<p><u>Math</u> Pre-Calculus <u>Technology Education</u> Manufacturing Welding Woods</p>	<p><u>Work-Based Learning Opportunities</u> Youth Apprenticeship Supervised Work Experience <u>Co-Curricular Activities</u> Skills USA FFA</p>
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Marketing, Sales & Service
Planning, managing, and performing marketing activities to reach organizational objectives.

The Seven Pathways

Management and Entrepreneurship

- Chief Executive Officer
- Entrepreneur
- Franchisee
- Independent Distributor
- Owner
- Partner
- President
- Small Business Owner

E-Marketing

- Copywriter/Designer
- Customer Support Specialist
- E-Commerce Director
- E-Merchandising Manager
- Fulfillment Manager
- On-Line Market Researcher

- Site Architect

Professional Sales and Marketing

- Account Executive
- Broker
- Field Representative
- Regional Sales Manager
- Retail Sales Specialist
- Sales Executive
- Technical Sales Specialist

Buying and Merchandising

- Clerk
- Department Manager
- Merchandise Buyer
- Merchandising Manager
- Operations Manager
- Retail Marketing Coordinator

- Sales Associate
- Store Manager

Marketing Communications and Promotion

- Advertising Manager
- Art/Graphics Director
- Creative Director
- Interactive Media Specialist
- Marketing Associate
- Public Relations Manager
- Sales Representative

Marketing Information Management and Research

- Brand Manager
- Database Manager

- Director of Market Development
- Product Planner
- Research Associate
- Strategic Planner, Marketing

Distribution and Logistics

- Distribution Coordinator
- Inventory Manager/Analyst
- Logistics Analyst/Engineer
- Logistics Manager
- Materials Manager
- Shipping/Receiving Administrator
- Shipping/Receiving Clerk
- Warehouse Manager

High school courses for supporting knowledge in Marketing, Sales & Service careers

<p><u>Agriculture</u> Career Leadership Personal Leadership Agribusiness Management</p> <p><u>Art</u> Graphic Design Printmaking</p> <p><u>Social Studies</u> Sociology Psychology</p>	<p><u>Business</u> Business and Personal Law Intro to Marketing Accounting 1 Computer Applications Intro to Web Design Entrepreneurship Intro to Business</p> <p><u>Foreign Language</u> Spanish</p>	<p><u>Work Based Learning Opportunities</u> Youth Apprenticeship Supervised Work Experience</p> <p><u>Co-Curricular Activities</u> FBLA Publications Forensics Visioneers</p>
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Science, Technology, Engineering, & Mathematics
Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

The Two Pathways

Science & Mathematics

- Biologist
- Chemist
- Geneticist
- Physicist
- Quality-Control Scientist
- Mathematician
- Statistician
- Research Technician
- Science Teacher
- Lab Technician

Engineering and Technology

- Aeronautical Engineer
- Architectural Engineer
- Biotechnology Engineer
- Chemical Engineer
- Civil Engineer
- Construction Engineer
- Industrial Engineer
- Mechanical Engineer
- Materials Lab and Supply Technician
- Quality Technician

Investigate careers and post-secondary education at Xello: www.xello.com

For login help, contact your homeroom advisor or school counselor.

High school courses for supporting knowledge in Science, Technology, Engineering, & Mathematics careers

<p><u>Agriculture</u> Computers in Agriculture GPS/GIS Personal Leadership Career Leadership <u>Math</u> Pre-Calculus</p>	<p><u>Science</u> Anatomy and Physiology Microbiology Physics Chemistry <u>Technology Education</u> Intro to AutoCad Architectural Design Building and Construction</p>	<p><u>Work Based Learning Opportunities</u> Youth Apprenticeship Supervised Work Experience <u>Co-Curricular Activities</u> Skills USA FFA</p>
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Transportation, Distribution & Logistics

Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

The Six Pathways

<p>Transportation Operations</p> <ul style="list-style-type: none"> • Transportation Managers • Pilots • Locomotive Engineers • Flight Engineers and Attendants • Truck and Bus Drivers • Air traffic Controllers • Ship and Boat Captains • Aircraft Cargo Handling Supervisors <p>Logistics Planning and Management</p> <ul style="list-style-type: none"> • Logisticians • Logistics Managers • Logistics Engineers and Analysts • Consultants • International Logistics Specialists 	<p>Warehousing and Distribution Center Operations</p> <ul style="list-style-type: none"> • Storage and Distribution Managers • Warehouse Managers • Industrial and Packaging Engineers • Shipping and Receiving Supervisors • Production, Planning, and Expediting Clerks • Freight and Material Movers and Supervisors 	<p>Facility and Mobile Equipment Maintenance</p> <ul style="list-style-type: none"> • Industrial Equipment Mechanic • Electricians and Technicians • Facility Maintenance Managers and Engineers • Mobile Equipment Maintenance Managers, Technicians and Mechanics • Diesel Engine Specialists 	<p>Transportation Systems/Infrastructure Planning, Management and Regulations</p> <ul style="list-style-type: none"> • Traffic Engineers and Technicians • Urban and Regional Planners • Vehicle and System Inspectors • Federal, State, and Local Government Transportation Agency Careers <p>Sales and Service</p> <ul style="list-style-type: none"> • Reservation and Travel Agents • Cargo and Freight Agents • Customer Service Managers and Representatives • Customer Order and Billing Supervisors
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For login help, contact your homeroom advisor or school counselor.

High school courses for supporting knowledge in Transportation, Distribution & Logistics careers

<p>Business</p> <p>Business and Personal Law Personal Finance Accounting Computer Applications Intro to Business</p> <p>Foreign Language</p> <p>Spanish</p> <p>Math</p> <p>Pre-Calculus</p>	<p>Science</p> <p>Physics Chemistry</p> <p>Social Studies</p>	<p>Technology Education</p> <p>Power, Energy and Transportation</p> <p>Work Based Learning Activities</p> <p>Youth Apprenticeship Supervised Work Experience</p> <p>Co-Curricular Activities</p> <p>Skills USA FBLA</p>
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Graduation Requirements Information

Graduation Requirements/Required Classes: 25 (plus ACP every year)

Content	Graduation Credits required	Required Courses <i>(9th gr. required in bold, graduation required in italics-advanced students courses vary)</i>
English	4	<i>English I, English II</i>
Social Studies	3	<i>American History 1, American History II, Political Science</i>
Math	3	<i>Algebra I, Geometry</i>
Science	3	<i>Biology</i>
Health	.5	<i>Health (It is recommended to take health during freshman year.)</i>
Physical Education	1.5	Any (Must take any one as a freshman)
Personal Finance	.5	<i>Personal Finance</i>
Academic & Career Planning	1 (.25/year)	<i>ACP--during homeroom</i>
Electives	9.5	<i>Must include; 2 cr. English, .5cr. Social Studies, 1cr. Math, 2 cr. Science, 1.5 cr. PE</i>
Civics Exam	Must pass	<i>Must pass</i>

Students in grades 9-12 are required to be enrolled in a minimum of seven (7) credits for each academic year. Exceptions may be made for students who are attending high school beyond their eighth semester, participating in the Start College Now or Early College Credit programs, participating in the Youth Apprenticeship program for credit or participating in a school-to-work experience for credit. **Students participating in the Youth Apprenticeship program may receive up to 4 class periods of work release. Students participating in the supervised work experience program may have up to 2 class periods of work release. School officials will make the final decision on the amount of work release given to a student participating in these programs.**

Schedule Change Policy

Students may request to add or drop courses without penalty only up to the three days following the start of a semester. Adding any course after the 3rd day of the quarter or semester will require consent of the instructor. This will not apply to transfer students. When there are multiple sections of a course students may be assigned to a different section to balance class sizes and resolve staffing and scheduling problems.

If a course is dropped after the third day of the semester, the student will be awarded a grade of “WD”, or withdrawal. A “WD” has the same honor point value as an “F”, and will negatively impact the student’s class rank and grade point average and remain on the permanent academic transcript. The adding or dropping of a course three days after the start of a semester requires signatures from the student, parent, teachers and school counselor on an Add/Drop form, available in the Counseling Office. Requesting to add or drop does not guarantee the change will be made. School officials (school counselor, staff and administration) will examine the impact this decision may have on the student’s academic standing. **(In accordance with school board policy, no student will be allowed to drop a course that will lower the student’s credit attempts to below seven (7) credits for any one year)**

principal) will then discuss the decision. If a satisfactory agreement may not be reached, parents may contact the district superintendent.

If parents disagree with the instructor’s decision to enroll a student in a class, they may begin an appeal process. The course appeal team (teacher, student, parent/guardian, school counselor, and high school

Course Load Requirements

GRADE 9	Credits
English I	1.0
American History I	1.0
Biology	1.0
Algebra	1.0
Physical Education	0.5
Health 1/Elective	0.5
Elective	
Elective	
Elective	
Elective	
Credit total (7 or higher) +.25 CE	

Course Planning Guide

GRADE 10	Credits
English II	1.0
American History II	1.0
Science Elective	1.0
Geometry	1.0
Physical Education	0.5
Elective/Health 1	0.5
Elective	
Elective	
Elective	
Elective	
Elective	
Elective	
Credit total (7 or higher) +.25 CE	

GRADE 11	Credits
English elective	0.5
English elective	0.5
Science elective	0.5
Science elective	0.5
Math elective	1.0

Physical Education	0.5
Social Studies elective/ Poli Sci	0.5
Elective	
Elective	
Elective	
Elective	
Elective	
Elective	
Elective	
Elective	
Elective	
Credit total (7 or higher) +.25 CE	

College Admissions Information

Preparation is Key

Students planning to attend college must pay very careful attention to admissions requirements prior to selecting high school courses. The requirements vary considerably depending upon the college or university you plan to attend and the

major field of study you plan to pursue. ***It is essential that you and your parents check specific college entrance requirements with your school of choice or with your school guidance counselor.***

Four-Year Colleges/Universities

It is impossible to list courses that are required by all institutions. Students and parents should work closely with high school counselors for admissions information for Wisconsin colleges and all out-of-state institutions. Taking all of the recommended courses does not guarantee admission to college. Other factors such as a student’s rank in class, grades, and ACT/SAT test scores are considered.

A strong academic background in high school beyond the minimal college admissions requirements can be beneficial. For example, UW – Madison is one of the colleges that recommend more than the minimal admissions requirements. For the admissions requirements of a specific college see your counselor or contact the institution.

High School Credit Requirements – High school course work should prepare you for college by helping develop strong skills in at least four areas – English, mathematics, social science and natural science. Two years of foreign language is also strongly recommended. All UW System institutions require a minimum of 17 high school credits (one credit is equal to one year of study) distributed as follows:

Core Prep Courses	Description
English	Accepted English courses stress an understanding of Significant practice in reading, writing and speaking Several campuses require that at least three of the f literature. Most regular and advanced English course be those that emphasize applied skills, performance
Mathematics	Algebra, geometry and other mathematics courses r are accepted. Most campuses require both algebra a accepted in mathematics if they are taught prior to i geometry as a prerequisite or are computer classes.
Social Science	Courses accepted in social science include history, p studies of culture, economics and human behavior and societies (such as psychology a science are not accepted.
	Courses accepted in natural science include biology, emphasize theory and usually have a

UW 4-Year Campuses

- UW-Eau Claire
- UW-Green Bay
- UW-La Crosse
- UW-Madison
- UW-Milwaukee
- UW-Oshkosh
- UW-Parkside
- UW-Platteville
- UW-River Falls
- UW-Stevens Point
- UW-Stout
- UW-Superior
- UW-Whitewater

Natural Science	significant laboratory component. Other science courses o science, geology and physical science.
Elective Credits	Elective credits are chosen from the core college preparat arts, computer science and other academic areas. A minimum of two credits of a single fore to UW–Madison and strongly recommended to meet grad System campuses. Some campuses may accept career and portion of these four elective credits.

Two-Year Colleges/Technical Schools

If you are planning to attend a state Wisconsin Technical College System (WTCS) school, are unsure about your post-high school plans, or plan to seek employment immediately upon graduation, you will have greater flexibility in both selecting and pursuing a career if you have completed the following course work.

Subject Areas	Description
English, mathematics, social science, and natural science	Please check with your guidance co
Career and Technical Education	Emphasis on the realities of the workplace, skills, career exploration, supervised work e
Computer science and literacy	Instruction in keyboarding, computer opera solving, applying computer technology, usi and economic impact of computers.
Careers, work and the work place	Career exploration and planning with emph careers, and self-employability skills and at human relations; and a practical knowledge

The ACT test is required for health programs as well as a grade of “C” or better in Chemistry and Algebra. An admission test (Accuplacer or Compass test) may also be required for some programs.



Technical Colleges

- Blackhawk
- Chippewa Valley
- Fox Valley
- Gateway
- Lakeshore
- Madison Area
- Mid-State
- Milwaukee Area
- Moraine Park
- Nicolet Area
- Northcentral
- Northeast Wisconsin
- Southwest Wisconsin
- Waukesha County
- Western
- Wisconsin Indianhead

Course Offerings Information

The course offerings at Granton High School are immense. The courses which our talented faculty teach are supplemented with course opportunities from Distance Learning and Virtual/On-Line high school to high school courses, UW College Courses via Early College Credit Program, Advanced Placement Courses, Technical College Courses via Start College Now Program, transcribed courses, and virtual education courses. Each course will be identified if it is not taught by our faculty. Granton School Board Policy.... Please see the descriptions below for an understanding of the wealth of opportunities available at Granton.

Helpful Definitions for Course Offerings;

Advanced Placement (AP):

AP is a program in the United States and Canada created by the College Board which offers college-level curricula and examinations to high school students. American colleges and universities may grant **placement** and **course** credit to students who obtain high scores on the examinations. AP Courses at Granton may be taught by our faculty and/or high school to high school.

Distance Learning (DL):

Distance learning is an instructional delivery model and refers to the method in which courses not offered as face-to-face courses at Granton High School may be taught. Students in grades 9-12 may be eligible to take a distance-learning course on the Central Wisconsin Educational Telecommunications Network (CWETN) system or another cooperating network. All students requesting enrollment in a DL course will be evaluated by the high school principal, school counselor and/or district DL coordinator to determine if such a placement is academically appropriate.

The interactive web-cam allows a teacher to see and interact with students during their scheduled time. These courses may be high school to high school courses, early college credit courses, and/or start college now courses. Students must receive prior approval from the school counselor or building principal, and the course must comply with graduation requirements. Because coursework is completed remotely and their teacher is typically not on site at Granton, this format of education requires a high level of maturity and self-motivation. The cost for a DL course is paid for by the Granton Area School District. **In the event that a student does not successfully complete a college level or other high school course, the student/parent is responsible for the cost of the course.**

High School to High School:

These courses are high school level classes taught by high school teachers from other school districts. These classes are typically taught using our distance learning system, but may also be taught online.

Early College Credit:

This program allows Wisconsin public and private high school students to take one or more courses at an institution of higher education for high school and/or college credit. Under this section, "institution of higher education" means an institution within the University of Wisconsin System, a tribally controlled college, or a private, nonprofit institution of higher education located in the state. These courses are typically taught using our distance learning system or online. Tuition fees and books for courses taken as part of these programs for high school credit are paid for by GHS. If a student does not complete/pass the course, the student/parent is responsible for the cost of the course. Students interested should see the school counselor.

Deadlines: According to state law, March 1st is the deadline for all student applications during the first semester of the following school year. October 1st is the deadline for all applications submitted to GHS for students who want to be involved in either of the programs during the second semester of that school year

Start College Now:

This program allows Wisconsin students to take one or more courses through the Wisconsin Technical College system. In accordance with Wisconsin state law, students who are interested in enrolling in a course that is not offered at GHS may be eligible to take the course at Mid-State Technical College or another academic institution. Though these courses are typically taught using our distance learning system, students must provide their own transportation if necessary. Tuition fees and books for courses taken as part of

these programs for high school credit are paid for by GHS. If a student does not complete/pass the course, the student/parent is responsible for the cost of the course. Students interested should see the school counselor.

Deadlines: According to state law, March 1st is the deadline for all student applications during the first semester of the following school year. October 1st is the deadline for all applications submitted to GHS for students who want to be involved in either of the programs during the second semester of that school year.

Transcripted/Dual Credit:

Transcripted credit courses are an agreement between Granton High School and Mid-State Technical College (MSTC) or Northcentral Technical College (NTC) in which students receive both high school credit (by passing the course with a “C” or better) and technical college credit. Upon completion of a transcripted credit course, students receive an official MSTC/NTC transcript. Transcripted credit courses are actual technical college courses that are taught by Granton High School teachers here at Granton High School. There is no cost to the student for these technical college credits, which normally cost approximately \$100/credit

Virtual/On-Line Education:

This is an instructional delivery model that does not require the student to be physically present in the same location as their teacher. All coursework is completed online, using the format provided by the course teacher. Format for assignment submission may include, but is not limited to Word, Google Docs, and Google Sheets. Students must receive prior approval from the school counselor and/or building principal, and the course must comply with graduation requirements. approval by the guidance counselor or the building principal must be obtained prior to a student enrolling in an online or virtual course (taken from Granton Area School District Board Policy, Chapter 9, Section Q). Because coursework is completed online, this format of education requires a high level of maturity and self-motivation.

In order to provide high-quality, standards driven, proven curriculum, course products will be provided through agreements with the virtual school provider. **The curriculum will be provided by CESA 9 Wisconsin Virtual School (WVS).** A student can expect to spend just as many hours on an online course as they would spend if they were attending on a traditional basis. Please consult the school counselor and/or reference the Granton Area School District Virtual School Handbook for further information. Information about specific course offerings can also be found online at <http://www.wisconsinvirtualschool.org/courses.cfm>

Granton High School College Credit Courses

Advanced Placement courses:

AP Calculus (taught through CWETN)

AP Psychology (taught through CWETN)

AP Statistics (taught through CWETN)

Other AP courses may be available upon request.

Early College Credit and Start College Now Programs:

English 101 (Composition 1) – UW-Stevens Point at Marshfield (taught through CWETN) (3 college credits)

English 202 (Composition 2) – UW-Stevens Point at Marshfield (taught through CWETN) (3 college credits)

Medical Terminology = Northcentral Technical College (taught through CWETN)

Abnormal Psychology = UW Colleges Online (3 college credits)

Intro to Sociology = NTC (3 college credits) or UW Colleges (3 college credits)

Intro to Psychology = NTC (3 college credits) or UW Colleges (3 college credits)

Stainless Steel Welding Certificate Program = MSTC (7 college credits)

CNA certification = CVTC or MSTC (3 college credits)

Other courses may be available upon request.

Transcripted/Dual-credit Courses:

GHS Going Green in Agriculture* = MSTC Alternative Energy Overview

GHS General Horticulture* = MSTC Horticulture

Intro to Welding* = MSTC

Accounting*= MSTC

Additional transcripted credit options may be available.

****NOTE:** Students are NOT able to be dual enrolled in technical college courses and university courses. For example, they cannot take Medical Terminology and English 101 at the same time.

Course Offerings

NOTE: This is not a comprehensive list of all DL and on-line/virtual courses available, but rather a selection that fills gaps in on-site offerings and may be of interest to Granton students. Please see your School Counselor, Granton School Handbook and the DL Handbook, if you would like to learn about Distance Learning on-line options beyond the ones included here.

Agriculture

Offered Every Year	Offered Even Numbered Years
Forestry Wildlife Management Landscape Management (fall only) Advanced Landscape Management (spring only) Vet Science (Science elective credit) Food Science (Science elective credit) Agricultural Affairs Plant Science (Science elective credit, Spring only) Advanced Forestry	Large Animal Science Career Leadership Natural Resources GPS/GIS
	Offered Odd Numbered Years Aquaculture Agribusiness Management Feeding America Small Animal Care Personal Leadership Ornamental Horticulture General Horticulture (TC, 10-12) Fish, Forestry & Wildlife (TC, 10-12) Going Green in Agriculture (TC, 10-12)



LARGE ANIMAL SCIENCE

0.5 CREDIT

AG100 Provides fundamental knowledge of the animal science field. Topics include animal health, animal environments, anatomy and physiology, genetics and reproduction, animal feedstuffs, and job-related safety. Participants will experience animal concepts through the completion of hands-on activities.

OFFERED: Even numbered years

GOING GREEN IN AGRICULTURE

GRADES 10-12

0.5 CREDIT

AG110 Transcribed Credit Opportunity thru Mid-State Technical College for 2 credits, Alternative Energy Overview Course - 2 credits

In this course, students will investigate the need for renewable energy systems and emerging careers in renewable energy. Students will examine the basic design, function, cost, and other associated with various "green" energy systems, including solar photovoltaic, solar thermal, wind, geothermal and biomass. Students will also explore the production and use of alternative transportation fuels.

OFFERED: Odd numbered years

FORESTRY**GRADES 9-12****0.5 CREDIT**

AG120 The forestry industry is featured as the background to this course. We look at local, state and national forest management practices and plan to work on developing the current school forest. We will study the many forest products and management practices. This includes a study of the paper making industry, maple syrup production and lumber harvesting and marketing. This course is designed to help develop a better understanding of the life cycle and identification of many species of trees and to form a conservation attitude for working in and developing today's forests. This course is designed to utilize the current ecosystem and forest land on the school property.

OFFERED: Yearly

WILDLIFE MANAGEMENT**GRADES 9-12****0.5 CREDIT**

AG130 Wildlife habitat and ecological success is dependent upon a healthy environment. This course studies the wildlife species native to Wisconsin and their environmental and physical needs. The course also focuses on hunting and fishing regulations, taxidermy practices, outdoor photography and wildlife conservation and management. Students develop an appreciation of wildlife recreation and learn about the many conservation practices to help protect this valuable resource.

OFFERED: Yearly

LANDSCAPE MANAGEMENT**GRADES 9-12****0.5 CREDIT**

AG140 The course will include a unit on landscaping to include design, construction and maintenance of a particular landscape area using drafting and computer applications. Marketing of bedding plants that we germinate and grow will be a spring project, as well as labs in tree and shrub pruning and maintenance for the community.

OFFERED: Yearly-Fall

ADV LANDSCAPE MANAGEMENT**GRADES 9-12****0.5 CREDIT**

AG141 This course is designed for students who completed the landscaping course and have an understanding of the basic landscaping principles. Students will participate in numerous outdoor projects that develop skills in landscape maintenance and installation, and during inclement weather, projects that utilize the new Landscape Pro software for designing various residential and commercial landscaping projects. This is a very hands-on class providing the opportunity for skill enhancement for potential home-owners of the future, as well as, those interested in green and outdoor careers.

PREREQUISITE: Successful Completion of Landscape Management

OFFERED: Yearly-Spring

PERSONAL LEADERSHIP**GRADES 9-12****0.5 CREDIT**

AG150 This course is designed to help students develop their personal leadership skills for the future. The various categories and styles of leadership will be addressed and individuals will learn how to use their strength and improve on their weaknesses in regard to numerous traits. Some emphasis will also be placed on communication skills as an individual and group. This course promises to be a fast paced, self-development class to help improve your self-confidence.

OFFERED: Odd numbered years (CWETN Network hosted by Granton)

AQUACULTURE**GRADES 9-12****0.5 CREDIT**

AG200 This course uses a hands-on approach to 21st agriculture utilizing our resource of water. Hydroponics is the growing of plants in water instead of soil. Members of this class will be instrumental in developing a hydroponics system for lettuce and tomato production in the agriculture department to supplement production in the greenhouse. The class members will also implement the increased use of the bulk fish tank, raising small game fish and tilapia fish. This will include all of the production aspects of fish through harvest, filleting, etc. In addition, home water units of aquariums through commercial production will be covered. We will also learn taxidermy procedures on pan-fish.

OFFERED: Odd numbered years

NATURAL RESOURCES**GRADES 9-12****0.5 CREDIT**

AG210 This course identifies today's vital natural resources and highlights the important uses of conservation. The course includes a study of soil science as it relates to natural resources. Conservation practices are studied and an implementation plan and design is developed. Soil surveys are taught and performed throughout the Granton School District. Legal land description is also a big part of the program emphasizing business procedures in Natural Resources. Society's role in natural resource management is reviewed, as well as energy sources and pollution control. In addition, we look at our water supply and sources, and study the factors needed to ensure a safe and usable water supply for the future.

OFFERED: Even numbered years

GENERAL HORTICULTURE**GRADES 10-12****0.5 CREDIT**

AG220 Transcribed Credit Opportunity thru Mid-State Technical College: Intro to Horticulture 3 credits

This course provides an overview of the science and profession of horticulture. Its role and importance throughout history, current trends, and careers will be covered. Particular attention is given to horticultural crops, their use and interrelationships among the environment, plant growth, and plant development.

OFFERED: Yearly, 2nd semester

AGRIBUSINESS MANAGEMENT**GRADES 9-12****0.5 CREDIT**

AG240 This course has been modified to focus on all areas associated with managing an agribusiness. We will discuss the types of businesses and the advantages and disadvantages of each. We will learn many bookkeeping skills for determining profitability, net worth, and inventory values. We will also look at the many aspects of marketing agricultural products and services. This course will help students gain personal management skills for the future.

OFFERED: Odd numbered years

FEEDING AMERICA**GRADES 9-12****0.5 CREDIT**

AG260 This course takes an in-depth, hands-on approach to developing and marketing agriculture and dairy products. Labs will focus on the processing and preparation of foods from the time they leave the farm until they reach the consumer. Students will learn how to make dairy products, prepare jams and jellies, make candies, can and freeze fruits and vegetables, make meat jerky and more. Students will also study agriculture's role in today's food supply and the world scope of food production.

OFFERED: Odd numbered years, Fall

CAREER LEADERSHIP**GRADES 9-12****0.5 CREDIT**

AG270 This course will spend significant time on the various learning styles to highlight personal and professional development as students prepare for the world of work and/or higher education. This advanced course will help you better prepare for life beyond high school and to have a take-charge attitude about life. Time will be spent developing job applications, resumes and portfolios, as well as preparing for a job interview.

OFFERED: Even-numbered years

AGRICULTURAL AFFAIRS**GRADES 9-12****0.5 CREDIT**

AG 280 This course will serve as an educational resource for students to develop a better understanding of the current issues impacting agriculture, not only in Wisconsin, but throughout the nation and world. Various controversial topics will be explored so that students are presented with the facts and are able to make responsible decisions based on those facts, not false pretenses. There will be lots of sharing of current event articles and stories, as well as data and facts that will generate discussion and debate. General topics will include the seven Agriculture Career Cluster Areas of Agribusiness, Animal Systems, Environmental Systems, Food Products, Natural Resources, Plant Systems, and Power and Structural Systems. Some units would include DNR Regulations, Sustainability, Ethics, Organic Farming, Genetically Modified Organisms (GMO's), Factory Farming, Technology, Food Safety, and much more.

OFFERED: Yearly

SMALL ANIMAL CARE**GRADES 9-12****0.5 CREDIT**

AG300 This course will feature hands on labs raising and caring for the small animals and pets familiar to our area. General feeding and care requirements will be featured, along with health and other management skills. This course is for the animal and pet lover. Actual agriculture department pets will be purchased and cared for as a part of the class and will feature standard pets, as well as the unusual and unique.

OFFERED: Odd numbered years

VET SCIENCE**GRADES 11-12****0.5 CREDIT**

AG310 This course includes units on biotechnology, genetics, animal reproduction and physiology, veterinary science and animal health, and animal nutrition. Controversial and accepted technologies in agriculture are also studied. Students can train and receive certification in AI.

OFFERED: Yearly; This course qualifies as a Science Elective.

Pre-Requisite: Small Animal Care or Large Animal Science or Biology

FOOD SCIENCE**GRADES 10-12****0.5 CREDIT**

AG330 This course combines agriculture and consumer education to develop an appreciation and understanding of the American Food Supply. Careers, nutritional requirements and food labeling will be featured. Steps and application in Food Processing and engineering will be demonstrated through various lab processes, as well as basic food microbiology labs. Food Safety, Biotechnology and new trends in food chemistry will also be a key emphasis of the course. This course proves to offer many hands on exercises in studying food for its nutrient value and safe handling.

OFFERED: Even numbered years. This course qualifies as a Science Elective.

GPS and GIS IN AGRICULTURE**GRADES 9-12****0.5 CREDIT**

AG320 This course is for the technology minded. This course will utilize the newest technology in agriculture of the GPS (Global Positioning Systems) and GIS (Graphic Information Systems) Students will learn the many functions of a GPS and apply them in a lab environment. We will mark numerous agriculture plots and then develop maps and other pertinent information from the data collected. We will also look at GPS in the operation of agriculture equipment. We will learn the skill of geocaching, which is a hobby to collect hidden treasures throughout the nation, using GPS. Students will find the value and application of the GPS as a tool in many everyday activities, as well. It is predicted that at the end of the course, students will want their own GPS unit.

OFFERED: Even numbered years

AGRICULTURE YOUTH APPRENTICESHIP**GRADE 11-12****0.5-1.0**

AG400 An independent course for seniors in agriculture education with at least two full years of agriculture course work prior to this course. Students will have the opportunity to study and gain experience and skills in the areas of plants, animals, or natural resources, as developed with the instructor. Other topic areas include preparation for the agri-science/agribusiness industry and professional careers. Job preparation skills will be reviewed and enhanced to develop an agri-science/FFA portfolio for job placement. Study of agriculture education programs requiring further education will also be provided. **Prerequisites:** Two full years of agriculture course work and consent of instructor.

OFFERED: Yearly

ANIMAL SYSTEMS—WORKPLACE EXPERIENCE**GRADE 11-12****0.5-1.0**

AG401 Animal Systems—Workplace Experience courses provide work experience in fields related to animal systems (management, care, and/or processing). Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. **Prerequisite:** Instructor approval.

OFFERED: Yearly

ANIMAL SYSTEMS—INDEPENDENT STUDY**GRADE 11-12****0.5**

AG402 Courses in Animal Systems—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to animal systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

Prerequisite: Instructor Approval.

OFFERED: Yearly

PLANT SYSTEMS—INDEPENDENT STUDY

GRADE 11-12

0.5

AG403 Courses in Plant Systems—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to plant systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

Prerequisite: Instructor Approval.

OFFERED: Yearly

NATURAL RESOURCES—INDEPENDENT STUDY

GRADE 11-12

0.5

AG404 Courses in Natural Resources—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to natural resources. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

OFFERED: Yearly

PLANT SYSTEMS—WORKPLACE EXPERIENCE

GRADE 11-12

0.5-1.0

AG405 Plant Systems—Workplace Experience courses provide work experience in fields related to plant systems (care, propagation, and processing). Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

OFFERED: Yearly

VETERINARY MEDICAL APPLICATION

GRADE 11-12

0.5

AG420 This Veterinary Medical Certification endorsed course, offered via DL through CEV, provides students with a solid understanding of vet science and veterinary medical applications. The certification consists of 22 modules and a 100 question final certification exam.

Prerequisite: It is advised that students take Vet Science prior to this course, but not required.

OFFERED: Yearly

FISH, FORESTRY & WILDLIFE

GRADE 10-12

0.5

AG450 Transcribed Credit Opportunity thru MSTC: Intro to Fisheries, Forestry & Wildlife Resources – 3 credits
Integrated introduction to principles and practices of fisheries, forestry and wildlife management, including production of goods and services while maintaining ecosystem integrity and functions. Emphasis on contemporary issues.

OFFERED: Odd numbered year

~ART~

Art courses are offered on a rotating schedule.

Art Course Planner

Odd Number Years	Even Number Years
Graphic Design	Graphic Designs
Drawing	Drawing
Ceramics	Ceramics
Photography	Photography
Independent Art Studio	Independent Art Studio
Printmaking	Painting
Advanced Drawing & Painting	Jewelry
Advanced Photography	Art History
Advanced Ceramics	Arts & Crafts



SCULPTURE

GRADES 9-12

0.5 CREDIT

AR120 Students will study different sculpture styles and techniques in wood, metal, plaster, plastics, ceramics, and other materials in expressing personal and original ideas.

OFFERED: Odd numbered years

GRAPHIC DESIGN

GRADES 9-12

0.5 CREDIT

AR130 Students will be introduced to the applicable world of graphic design, developing ideas and sketches to create pieces that would be presented to prospective clients. We will explore Photoshop-like programs, practice manipulating images, discuss the importance of typeface in design and experiment with different layouts.

OFFERED: Yearly

PRINTMAKING

GRADES 9-12

0.5 CREDIT

AR150 Class emphasis will be on developing personal expression and ideas through drawing and printmaking media. We will study a variety of printmaking techniques such as woodcut/linoleum cut, silkscreen, lithography, intaglio, calligraphy, and monoprints. We will focus on simpler techniques to understand the basic concepts of printmaking.

PREREQUISITE: Drawing

OFFERED: Odd numbered years

DRAWING

GRADES 9-12

0.5 CREDIT

AR160 Drawing is the foundation to all other artistic mediums. Students will learn about drawing objects with correct proportions, adding value to drawings, and drawing from life/still images. Students will work with graphite, charcoal and colored pencils using a variety of subject matter.

OFFERED: Yearly

PAINTING

GRADES 9-12

0.5 CREDIT

AR165 This class will emphasize developing personal expression and original ideas through painting media. Students will learn about different painting media such as watercolor and acrylic. Students will get in depth with color theory, mixing their own colors and understand how colors affect their piece. Students will also learn how to mat, frame and display work.

OFFERED: Even numbered years

CERAMICS**GRADES 9-12****0.5 CREDIT**

AR170 This class will emphasize developing personal and original ideas in ceramic media. Students will learn about functional and sculptural clay techniques using a variety of hand-building and wheel-thrown. Glazes and different firing methods will be learned in addition to historical and technical styles of ceramics.

OFFERED: Yearly

Arts & Crafts**GRADES 9-12****0.5 CREDIT**

AR210 In this class we will explore your untraditional arts and crafts. Things you would not normally do in any current K-12 art class offered. Some examples I am thinking of (home décor, fashion design, DIY projects, needle felting, quilling).

OFFERED: Yearly

JEWELRY/ART METALS**GRADES 9-12****0.5 CREDIT**

AR310 Students will explore jewelry through the ages and learn a variety of different jewelry media including resin, polymer clay, paper, leather and metal. They will learn to make everyday jewelry as well as explore their creativity through avant garde styles.

OFFERED: Even numbered years

ART HISTORY**GRADES 9-12****0.5 CREDIT**

AR180 Students will learn the broad history of art from prehistoric times to the art created today. This course will compare art to the time it was created and why artists created their art in this way. Students will be expected to take notes, memorize artists, names of pieces, artistic time periods and dates related to the piece's studies. There will be a class field trip to the Minneapolis Institute of Art to view art in real life.

OFFERED: Even years

Digital Photography**GRADES 9-12****0.5 CREDIT**

AR190 Students will learn about the history of photography from film to digital photography today. They will learn how to use a DSLR camera. We will explore compositions of photos, lighting, color and how to modify images.

PREREQUISITE: Having access to a digital SLR camera (preferred) or having a smartphone camera with adjustable settings.

OFFERED: Yearly

Advanced Digital Photography**GRADES 9-12****0.5 CREDIT**

AR190 Students will dig deeper into what we look at to make a good photo great. We will learn more about photo editing. We will explore different career options in photography. Students will end the class with a college/professional ready portfolio.

PREREQUISITE: Having access to a digital SLR camera (preferred) or having a smartphone camera with adjustable settings.

OFFERED: Yearly

ADVANCED DRAWING & PAINTING**GRADES 10-12****0.5 CREDIT**

AR260 This advanced course emphasizes greater use of media and techniques, personal expression and exhibition of work. Students will leave the class with a college ready portfolio.

PREREQUISITE: Drawing **OFFERED:** Independent annually

ADVANCED CERAMICS**GRADES 9-12****0.5 CREDIT**

AR270 Advanced ceramic techniques in both wheel and/or hand-built sculpture. Students will take responsibility for kiln firing and visit professional pottery studios. There will be increased emphasis on creative and original expression of ideas.

PREREQUISITE: Successful completion of Ceramics

OFFERED: Independent, or annually

INDEPENDENT ART STUDIO**GRADES 10-12****0.5 CREDIT**

AR110 An independent advanced class for the serious art student. Students will write a contract for an individualized program to study their own area of art interest. Students will end the class with a college/professional ready portfolio.

PREREQUISITE: Drawing, 1st Class in area of interest, consent of instructor

OFFERED: Yearly

AR200 Industrial design is all about creating products that optimize function, value and appearance for the mutual benefit of user and manufacturer. We will be looking at common day problems and how to solve these problems through better design. We will go through the engineering design process of determining the true problem, finding the specifications needed to fix the problem, determine quantitative and qualitative facts of similar products, collect data and develop models and prototypes in the FAB lab to fix the problem.

OFFERED: Yearly

~BUSINESS & INFORMATION TECHNOLOGY~

Business & Information Technology's mission is to prepare students for business careers and to teach students about business. The focus of the classes is on the aspects of business that affect every member of society, and the preparation of individuals to own or operate their own business or be a worker in a variety of business functions.

Business courses are offered on a rotating schedule.

Offered Every Year	Offered Every Other Year
Personal Finance Computer Applications I and II Introduction to Business Accounting (year-long) Intro to Web Design/ Programming Publications (formerly Yearbook)	<u>Odd Number Years</u> Business and Personal Law Introduction to Marketing Entrepreneurship <u>Even Number Years</u> Personal Finance II



COMPUTER APPLICATIONS I

GRADES 9-12

0.5 CREDIT

BU100 This course will help you use features of Word and Excel 2016 by creating and editing 2 to 3 page documents for a variety of purposes and situations. You will also create and edit a workbook with multiple sheets, and use a graphic element to represent data visually. Students who successfully complete Computer Applications I and II will be eligible to test for Microsoft Office Specialist (MOS) Certification or individual certifications. Course is limited to 18 students.

OFFERED: Yearly, 1st Semester.

COMPUTER APPLICATIONS II

GRADES 9-12

0.5 CREDIT

BU110 This course will help you use correct features of PowerPoint and Access 2016. You will create, edit, and enhance presentations and slideshows. You will also demonstrate the ability to create and maintain basic Access objects including tables, data entry forms and multi-level reports. Students who successfully complete Computer Applications I and II will be eligible to test for Microsoft Office Specialist (MOS) Certification or individual certifications. Course is limited to 18 students.

OFFERED: Yearly, 2nd Semester.

PREREQUISITE: Computer Applications I or consent of instructor.

PERSONAL FINANCE

GRADES 11-12

0.5 CREDIT

BU120 Do you know people that are having problems handling their money? This course will give students the knowledge they need to manage their personal finances throughout their life. Emphasis is placed on career choices, budgeting, and banking services. Students will learn to develop budgets, skills to use credit appropriately, and keep accurate checkbook and other financial records essential to both their personal and professional goals.

OFFERED: Yearly, Second Semester (required course)

PERSONAL FINANCE II**GRADES 11-12****0.5 CREDIT**

BU230 This course will help students learn to do taxes, plan for retirement and overall estate planning and wealth building. A complete personal tax return will be prepared. The content will appeal to students interested in FBLA, and those with a desire to learn about saving and taking care of their money beyond high school.

PRE-REQUISITES: Personal Finance I or approval of instructor. **NOTE: This course does not meet the graduation requirement for Personal Finance.**

OFFERED: Even numbered years, Second Semester

INTRODUCTION TO MARKETING**Grades 9-12****0.5 CREDIT**

BU130 Did you know that every career requires some degree of marketing skills/knowledge? Marketing affects everyone's daily life. This course is an introduction to the area of marketing within business. The course explores consumer behavior, advertising, promotions, market research, selling, and public relations. Students participate through hands-on projects and get a chance to develop their creative side. Students will understand how economic decisions making and marketing activities lead to the creation of products and services. Students will learn the 4 P's of marketing and how they work together. Students will also explore careers in marketing.

OFFERED: Odd numbered years (CWETN course hosted by Granton)

INTRODUCTION TO BUSINESS**GRADES 9-12****0.5 CREDIT**

BU210 Business activities affect the daily lives of all of us as we work, spend, save, invest, travel, and play. It influences jobs, incomes, and opportunities for personal enterprise. It has a significant effect on the standard of living and quality of life and on the environment in which we live. All students will encounter the world of business and need to be prepared to engage in business activities with confidence and competence. Students will learn how business functions, the role it plays in our society, the opportunities it generates, the skills it requires, and the impact it can have on their own lives and on society, today and in the future. This course will introduce you to the world of business and help prepare you for the economic roles of consumer, worker, and citizen. Topics will include economic systems, business structures, international business concepts, and leadership styles. The purpose of this course is to provide you with an overview of the technology, people, and procedures in today's fast-paced business environment.

OFFERED: Yearly (CWETN course hosted by Granton)

**INTRO TO WEBSITE DESIGN
& PROGRAMMING****GRADES 10-12****0.5 CREDIT**

BU250 This course introduces students to basic web design using HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets). The course does not require any prior knowledge of HTML or web design. Throughout the course students are introduced to planning and designing effective web pages; implementing web pages by writing HTML and CSS code; enhancing web pages with the use of page layout techniques, text formatting, graphics, images, and multimedia; and producing a functional, multi-page website. You will also have an introduction to computer programming through codeacademy.com. A certain amount of artistic planning goes into making a website, so many art students will also be interested in taking this course.

Prerequisites: Computer Applications I or approval from instructor.

OFFERED: Yearly

ENTREPRENEURSHIP**GRADES 11-12****.5 CREDIT**

BU260 This course will help those interested in owning their own business. It is a broad overview of identifying a winning business, gathering funding for starting a business and growing an organization. You will also learn how leaders are successful in their roles. Creativity is a plus for this course and will foster a mind for a life of service to the community.

Prerequisites: Introduction to Business, Intro to Computer Applications, or approval from teacher

OFFERED: Odd numbered years

BUSINESS & PERSONAL LAW**GRADES 10-12****0.5 CREDIT**

BU300 The knowledge of law is essential in today's society. Whether the law pertains to an individual or a business, students must understand legal principles in order to be a productive citizen and make responsible decisions that protect the individual and society at large. Business & Personal Law is designed for students who have a desire to learn more about legal issues that will affect them in the present and in the future. The origin of our legal system and court system will be explored. Topics to be covered will include contracting, buying and selling, employment, organizing a business, real estate, wills, marriage and divorce.

Prerequisites: Introduction to Business or approval from teacher

OFFERED: Odd numbered years.

PUBLICATIONS**GRADES 9-12****1.0 CREDIT**

BU330 This course will provide students with hands-on experience in making the school's yearbook and producing products that are used within the school. Software used will include: Adobe systems, Josten's online InDesign, Word, Publisher and other software necessary to get work completed. Students will gain experience working with cameras, computers, new software, interviewing and talking with the public. This is a great experience for those who like to work with people.

Prerequisites: Computer Applications I and/or permission from Instructor

OFFERED: Yearly, semester course. May be taken for either semester rather than full-year, pending schedule conflicts.

COURSES BELOW ARE EITHER DL or ON-LINE & UW, TECH., AP, or HS to HS.

See your school counselor for further information and applications.

Accounting Grade Level: (11-12th Gr.) MSTC Dual Credit

Prerequisite(s): None

Description: Accounting provides an understanding of the basic elements and concepts of double entry accounting systems. Accounting is the basis for any college career or where a major in business is concerned. Students will learn the accounting equation, the accounting cycle, journal entries, posting to different ledgers, end-of-period fiscal reports, payroll systems, banking activities, taxes, uncollectible accounts, depreciation, inventories and notes and interest for various types of businesses including sole proprietorship and partnerships. It is highly recommended that any student thinking about business as a college major and future career take this course.

Credits: High School (1.0) and College (3.0) **Length:** Full Year

PROFESSIONAL COMMUNICATIONS**(GRADES 11-12) On-line Course****.5 CREDIT**

BU350 This class is offered online via iCEV Pathways for Career Success. The class focuses on teaching students the communication essentials to thrive in any workplace environment. Verbal and non-verbal skills are explored and discussed throughout the certification, and how those skills are utilized for a positive, successful experience in the workplace is analyzed. At the completion of the course, students have the option to test and earn an Industry Certification. **OFFERED:** Yearly

COMPUTER HARDWARE FUNDAMENTALS (GRADES 10-12) High School to High School Dual Credit Course via DL

Description: Students in Computer Hardware Fundamentals Level 1 will learn the terms, concepts and functions of personal computers, both as stand-alone devices and as networked components. Students will demonstrate knowledge, proper function, and use of computer internal and external components, system configuration, data backup, virus protection, command line and simple networks. This course can help students prepare for CompTIA's A+ Certification exams, and serves as an NTC dual credit course.

NTC Dual Credit (3.0) **Length:** 1 Semester (2nd Semester) **Host School:** Marathon

GAME AND APP PROGRAMMING (GRADES 9-12) High School to High School Course via DL CREDITS .5

Description: This course will concentrate on building students' computational thinking skills and learning the basis of programming. This class will touch upon many new and exciting programming websites and programs. Topics include: Drag and Click/Building Block Programming, Building Apps for an Android phone, Developing Computer Video Games, and JavaScript. This is a student driven class, therefore, topics can change based on student interest.

Host School: Marathon

Intro to Information Technology (Grades 9-12) High School to High School Course via DL Credits .5

Description: A career in the computer sciences continues to be growing at a rapid rate. Learn the basics with this introduction to the world of computer science. This course takes a hands-on approach to show how a computer works on the inside and the concepts that drive our technologies. Students will learn the basic skills necessary to understand computer hardware, physical makeup, as well as understanding how a computer works, and communicates with other devices through local wired and wireless networks. Students will research careers that are available in the tech field, as well as understand the modern concept of computer security. Learn the basics and take a step closer to your future in technology.

Length: 1 Semester (1st Semester) **Host School:** Marathon

Hospitality Management (Grades 10-12) High School to High School Course via DL

Prerequisite(s): None

Description: This course covers the growth and progress of the hospitality industry. Students will learn the concepts of the industry through a simulation focusing on running a hotel and a restaurant. Topics covered include: Pricing and Revenue Management, Group Sales, Public Relations, Customer Service, Social Media Feedback, Restaurant and Culinary Operations, Banquets and Meetings Operations, Financial Reports, Menu Design, amongst other management and marketing topics.

Credits: High School (0.5) **Length:** 1 Semester **Host School:** Marathon (CWETN)

Sports and Entertainment Management (Grades 10-12) High School to High School Course via DL Credits .5

Prerequisite: Intro to Business

Description: Ever dream of owning your own business or sports franchise? In this class students will use a computer simulation to run a professional football franchise. Key principles of management will be discussed during the class as well as current topics and trends that are affecting sports and entertainment. This class is a great choice for any student (not just guys interested in football) considering business as a career or for any student looking for the challenge of running a simulated business. Students will need a computer with internet access for class.

Length: 1 Semester **Host School:** Marathon

Academic and Career Planning~

Academic & Career Planning

GRADES 9-12

CR100 **REQUIRED:** Yearly during Homeroom class periods each week in 9th, 10th, 11th, and 12th Grades.



~ENGLISH~

Four credits (4.0) of English are required for high school graduation. English I and English II are required courses for all students. Two additional credits will be English electives. English electives are offered on a rotating schedule.

<u>Offered Every Year</u>	<u>Offered Every Other Year</u>
<p>English I English II Real World Writing Contemporary Nonfiction</p> <p><u>Early College Credit Program Classes*:</u> Composition I (UW English 101) Composition II (UW English 202) Introduction to Literary Studies (UW English 250) *Placement test required for enrollment</p>	<p><u>Even Numbered Years</u> British Literature Creative Writing Oral Language Mythology</p> <p><u>Odd Numbered Years</u> Multicultural Literature Theater Writer’s Workshop American Literature Film As Literature Outdoor Literature Popular Literature</p>

English I **GRADE 9** **1.0 CREDIT – Required**

EN100 The focus of this course is on writing skills and the reading of various materials. Utilizing the writing process, students will compose a variety of written works, including: essays, nonfiction, creative writing, and a research paper. As students improve their writing skills, they will review and advance mechanics and usage skills. A major component of this class will also be discussion. Students will learn to discuss different literature and literary forms. Students will develop vocabulary skills and write essays in order to analyze characters, and compare and contrast works.

Prerequisite: English 1 and 2

OFFERED: Yearly

English II **GRADE 10** **1.0 CREDIT – Required**

EN200 In this course, students will continue to develop and perfect their writing skills based on the skills they have already attained. Students will formulate individual writing goals based on a review of their writing portfolio. Emphasis will be on various forms of expository writing, including further development of the fundamentals of research. This class will study various forms of literature including novels, short stories, and drama. We will analyze form and content, as well as a number of literary devices through class discussion and individual writing.

Prerequisite: Completion of English 1

OFFERED: Yearly

AMERICAN LITERATURE **GRADE 11-12** **0.5 CREDIT**

EN300 This course includes reading and discussion of representative American literature (poetry, short fiction, novels and drama) from colonial days to 1850. Vocabulary study and composition are incorporated into the study of literature.

Prerequisite: English 1 and 2

OFFERED: Odd-numbered years

BRITISH LITERATURE **GRADE 11-12** **0.5 CREDIT**

EN400 This course includes reading and discussion of representative British literature (poetry, short stories, novels and drama) throughout American history. Vocabulary study and composition are incorporated into the discussion and study of literature.

Prerequisite: English 1 and 2

OFFERED: Even-numbered years

REAL WORLD WRITING**(formerly Written Communication)****GRADE 11-12****0.5 CREDIT**

EN320 This is a course for students who want to improve their writing skills especially for future educational and career goals. Emphasis is placed on the mechanics of good writing, grammar skills and vocabulary. Students analyze examples of good writing to practice various form of written communication.

Prerequisite: English 1 and 2

OFFERED: Yearly.

CREATIVE WRITING**GRADE 11-12****0.5 CREDIT**

EN330 In this class we will look at several different types of fiction writing and the features in them. Students will be asked to create several different pieces in a variety of genres. We will discuss and improve diction, mechanics, and grammar in our writing.

Prerequisite: English 1 and 2

OFFERED: Even-numbered years.

CONTEMPORARY NONFICTION**(formerly Critical Reading and Analysis)****GRADE 11-12****0.5 CREDIT**

EN340 The focus of this course is on examining contemporary non-fiction literature. Skill focus is on careful reading, with an examination and critical analysis of underlying themes and issues relating to the text.

Prerequisite: English 1 and 2

OFFERED: Yearly.

Oral Language Fundamentals**GRADE 11-12****0.5 CREDIT**

EN360 In Fundamentals of Speech, students learn communication theory, including good habits in listening. Students practice impromptu speaking extensively, and perform prepared speeches to inform and to persuade, as well as a demonstration speech. When time allows, students present an oral interpretation of literature, and participate in a Lincoln-Douglas debate.

Prerequisite: English 1 and 2

OFFERED: Even-numbered years

MYTHOLOGY**GRADE 11-12****0.5 CREDIT**

EN370 Mythology is the study of ancient Greek and Roman stories about heroes, gods, and the universe, which illustrates the influence of these myths on the art, literature, and culture of the modern world. The course considers questions such as: What is a deity? What is a hero? What is the relationship of human to god? What is a myth? What is history? Why are myths told? How does recollection of the past affect the way humans live in the present?

Prerequisite: English 1 and 2

OFFERED: Even-numbered years.

MULTICULTURAL LITERATURE**GRADE 11-12****0.5 CREDIT**

EN380 In this course we will explore literature from cultures different than our own. We will emphasize learning about the impact of society and world climate on what is written and how. This class will spend time investigating the cultures that produce these works and the impact of history on them. We will spend significant time writing and discussing literature.

Prerequisite: English 1 and 2

OFFERED: Odd-numbered years.

THEATER**GRADE 11-12****0.5 CREDIT**

EN390 In this class we will explore plays and playwrights. While the main focus of this class is on literature, we will also look at acting methods and the ways in which actors can impact the meaning of a work. We will analyze several different genres of plays and write about and discuss them as well.

Prerequisite: English 1 and 2

OFFERED: Odd-numbered years

WRITER'S WORKSHOP**GRADE 11-12****0.5 CREDIT**

EN430 This class will emphasize different forms of formal non-fiction writing. We will work extensively with the writing process and utilize peer review to help us improve how we write. This class will examine grammar and structure and the impact that it has on the reader.

Prerequisite: English 1 and 2

OFFERED: Odd-numbered years

COURSES BELOW ARE EITHER DL or ON-LINE & UW, TECH., AP, or HS to HS.

See pg.20 for details, the DL course book, and guidance counselor for further information and applications.

COMPOSITION I College English 101	UW Course via DL	GRADE 11-12	0.75 CREDIT
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EN500 A college-level composition course focusing on researched academic writing that presents information, ideas and arguments. Emphasis will be on the writing process, critical thinking and critical reading. Students earn 3 college credits upon successful completion.
Prerequisite: Sufficiently high score on placement assessment.
OFFERED: Yearly Distance Learning via UW Colleges

COMPOSITION II College English 202	UW Course via DL	GRADE 11-12	0.75 CREDIT
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EN560 A college-level composition course focusing on researched academic writing that presents information, ideas and arguments. Emphasis will be on the writing process, critical thinking and critical reading. Students earn 3 college credits upon successful completion.
Prerequisite: Sufficiently high score on placement assessment.
OFFERED: Yearly Distance Learning via UW Colleges

INTRO TO LITERARY STUDIES College English 250	UW Course via DL	GRADE 11-12	0.75 CREDIT
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EN561 An introduction to the discipline of literary studies through its fundamental approaches to reading, interpreting, and writing about a variety of texts, ranging from the classic to the contemporary with the goal of understanding, appreciating, and enjoying literature. 3 college credits are earned upon successful completion.
Prerequisite: Sufficiently high score on placement assessment.
OFFERED: Yearly (2nd semester) Distance Learning via UW Colleges

~FOREIGN LANGUAGE~

Some 4 year colleges and universities require a minimum of two years of foreign language prior to admissions. Many majors require a foreign language for college graduation. This requirement can be met in High School. Check with your school counselor or individual colleges for specific information.



SPANISH I	GRADES 9-12	1.0 CREDIT
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FL100 A first year course in the study of the Spanish language with emphasis on listening and reading comprehension, speaking and writing skills. A vocabulary will be taught that should enable a student to speak Spanish in real-life situations.
OFFERED: Yearly

SPANISH II	GRADES 10-12	1.0 CREDIT
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FL110 This Spanish course builds on the foundation started in Spanish I. Students will begin the year by reviewing vocabulary and phrases, as well as verb conjugations. Students will then learn more advanced vocabulary, new verb tense conjugations, and more advanced grammar. Students will also continue to study the culture of Spain and Latin American countries. They will be asked to read, write, speak, and listen in Spanish on a daily basis.
Prerequisite: Grade of C or higher in Spanish I (Distance Learning hosted by Granton)
OFFERED: Yearly

SPANISH III	GRADES 11-12	1.0 CREDIT
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FL 120 This Spanish course builds on the knowledge and skill students built in Spanish I and Spanish II. Students will begin the year by reviewing vocabulary and phrases, as well as verb conjugations previously learned. Students will then learn more advanced vocabulary, new verb tense conjugations, and more advanced grammar. Students will read Spanish texts to enhance their vocabulary and understanding. Students will also continue to study the culture of Spain and Latin American countries. They will be asked to read, write, speak, and listen in Spanish on a daily basis.
Prerequisite: Grade of C or higher in Spanish II
OFFERED: Yearly (Distance Learning hosted by Granton)

FL 140 Students will begin the year by reviewing vocabulary and phrases, as well as verb conjugations previously learned. Students will then learn more advanced vocabulary, new verb tense conjugations, and more advanced grammar. Students will read Spanish texts to enhance their vocabulary and understanding. Students will also continue to study the culture of Spain and Latin American countries. They will be asked to read, write, speak, and listen in Spanish on a daily basis. There will be no speaking English in this class. The students will have the opportunity to connect with Native Speakers to expand their vocabulary.

Prerequisite: Grade of C or higher in Spanish III

OFFERED: Yearly

~HEALTH~

HIGH SCHOOL HEALTH 1

GRADES 9-12

0.5 CREDIT – Required

HE100 This course is a comprehensive health class. The content areas include: Mental and Emotional health, Human Sexuality and Family Life; Alcohol, Tobacco and Other Drugs; Communicable and Noncommunicable Disease; Injury Prevention and Safety; Consumer Health; Environmental and Community Health.

OFFERED: Yearly *This half-credit (0.5) Health course is required for graduation*

HIGH SCHOOL HEALTH 2

GRADES 9-12

0.5 CREDIT – elective

HE110 This course will cover safety and First Aid. The content includes Lifeguard training, CPR/AED, Blood borne Pathogens, Inhaler, and Epi-pen training. This is an elective course and does not fulfill the high school graduation requirement. At its completion, students will be certified in Red Cross First Aid/CPR/AED and Lifeguarding for 2 years.

Course fee: \$40.00. Covers certification payment and CPR mask which is kept by student.

OFFERED: Yearly

COURSES BELOW ARE EITHER DL or ON-LINE & UW, TECH., AP, or HS to HS.

See pg.20 for details, the DL course book, and school counselor for further information and applications

INTRODUCTION TO HEALTH

CAREERS/CUSTOMER-FOCUSED

(GRADES 11-12) NTC On-line

CARE-GIVING

Course

0.75 CREDIT

HE200 In this course, participants will discuss what it means to be a health care provider and examine related health careers. Educational preparation, job responsibilities, and appropriate personal attributes will be surveyed in order to assist participants in career decision planning. Health career programs which NTC offers will be highlighted. Topics to be covered: Personal characteristics, Communication, Cultural Diversity, Standard Precautions, Ethical and Legal Issues, Costs of Healthcare, Delivery System, Exploring Medical Careers, Health Literacy in Health Care, Understanding Patient Needs, and Alternative Therapies used in Health Care.

OFFERED: Distance Learning through NTC. 3.0 college credits are earned at completion. **Length:** 1 Quarter

MEDICAL TERMINOLOGY

GRADES 11-12

0.75

HE250 Focuses on the component parts of medical terms: prefixes, suffixes, and word roots. Students practice formation, analysis, and reconstruction of terms with emphasis on spelling, definition, and pronunciation. Introduces operative, diagnostic, therapeutic and symptomatic terminology of all body systems as well as systemic and surgical terminology. This course involves learning a new language and is relevant for any student interested in medicine or a medical progression.

OFFERED: DL or online through NTC. 3.0 college credits are earned at completion. **Length:** 1 Semester

~MATHEMATICS~

Three (3.0) credits of mathematics are required for high school graduation. *Most 2-year and 4-year colleges and universities and many post-graduation career programs require a MINIMUM of three years (3.0 credits) of mathematics which MUST include Algebra I, Algebra II, and Geometry. 4-year colleges often prefer to see four years of high school math. See guidelines in College Requirements at the beginning of this course book and check with your school counselor*

or individual colleges for specific information.



PRE-ALGEBRA; Supports/Strategies

GRADE 9

0.5-1.0 CREDIT

MA100 This course presents foundations of high school level math. Students will strengthen their basic math skills including equations, functions, algebraic, and geometric concepts that will assist kids in being successful in Algebra. This course may run in conjunction with Algebra I.

Prerequisites: Teacher/RtI Team Recommendation only

OFFERED: Yearly

ALGEBRA I

GRADE 9

1.0 CREDIT

MA110 This course revolves around the use of the language of mathematics as a problem-solving tool. Topics will include real numbers and number lines, solving of one and two variable equations, use of variables and algebraic equations to define and solve problems, and linear and quadratic relationships and functions. An emphasis will be placed on applications of algebra involving the solving of numerous real-life problems.

Prerequisites: Completion of 8th grade math, or recommendation of middle school math instructor based on standardized assessment

OFFERED: Yearly

GEOMETRY

GRADE 10

1.0 CREDIT

MA200 Geometry is the study of one, two and three-dimensional space. This course begins with a foundation of inductive thinking and mathematical proof. Topics of planar shapes, congruency, symmetry, and similarity are covered in depth. The properties of polygons (especially triangles) and circles are emphasized. Coordinate geometry is used to discuss perpendiculars, parallels, tangents, area, slope, distance, perimeters, and volumes.

Prerequisites: Successful completion of Algebra I

OFFERED: Yearly

ALGEBRA II

GRADES 11-12

1.0 CREDIT

MA300 This course is designed to follow Geometry and leads into pre-calculus concepts. It should be chosen by the student who is looking toward post high school education. The emphasis here is on functions. The course begins with patterns and a review of linear functions and continues with quadratics. Imaginary numbers will be introduced. Problem solving and applications of functions will be included.

Prerequisites: Successful completion of Algebra I and Geometry (**Grade of C or better in each**)

OFFERED: Yearly

Technical Math

GRADE 11-12

1.0 CREDIT

MA220 Technical Math is a math course designed for students looking for a rigorous review of foundational mathematical concepts. Technical Math is a preparation for students going into technical college mathematics and for those going directly into the workforce. Calculator use will be minimal during the first semester. Topics covered will be basic arithmetic operations with real numbers, measurement, ratios, percent, proportion, basic algebra, basic geometry, problem solving and right triangle trigonometry. This class will incorporate practical application of above mentioned topics.

Prerequisites: Successful completion of both Algebra and Geometry or instructor consent

OFFERED: Yearly

PRE-CALCULUS

GRADES 11-12

1.0 CREDIT

MA310 Pre-Calculus introduces the student to the meaning behind derivatives and integrals. Applications of functions for problem solving will include classic maximization problems. Trigonometric functions including polar coordinates and trigonometric identities and a thorough study of logarithms and exponential functions including natural logs are presented. Parametric equations, inverses and composite functions will be explored. Throughout the course, graphing calculators will be used to increase understanding and technological education.

Prerequisites: Successful completion of Algebra II

OFFERED: Yearly

COURSES BELOW ARE EITHER DL or ON-LINE & UW, TECH., AP, or HS to HS.

See pg.20 for details, the DL course book, and school counselor for further information and applications

COLLEGE ALGEBRA

MATH 110

GRADES 11-12

1.0 CREDIT

MA380 This class is designed for students who have earned credit in Geometry and Algebra II and plan on attending college or technical college, but are not pursuing a career in math or science field. Topics covered will be equivalent to those covered in a College Algebra Course, such as Equations and Inequalities, Graphs and Function, Polynomial and Rational Functions, Systems of Equations and Inequalities, Matrices and Determinants, and Conic Sections.

Prerequisites: Algebra II, Sufficient score on placement exam

OFFERED: Yearly, Distance Learning via UW System

AP STATISTICS

(GRADE 11-12) AP Course via DL

1.0 CREDIT

MA350 The purpose of the AP course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring data: Describing patterns and departures from patterns.
2. Sampling and experimentation: Planning and conducting a study.
3. Anticipating patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses.

Students who successfully complete the course and exam may receive credit, advanced placement, both for one semester introductory college statistics course. This does not necessarily imply that the high school course should be one semester long. Statistics could be effectively studied in a one-year course.

Prerequisites: Algebra 2

OFFERED: Yearly via CWETN Network Distance Learning (Hosted by Greenwood)

Trigonometry (Grades 10-11) High School to High School Course via DL

Prerequisite(s): Grades 10-11; completion of Algebra IIA

Description: This course is designed for sophomores and juniors interested in furthering their understanding of mathematics; to be better prepared for the ACT exam and Pre-Calculus. An inductive approach is emphasized, whereby students investigate various relationships in order to form conjectures. Many investigations are performed on the computer. Students are asked to participate frequently in discussion and exchange ideas with peers. Topics covered will be trigonometric functions, right triangle trigonometry, circular functions, trigonometric identities, inverse circular functions, trigonometric applications, and complex numbers.

Credits: High School Credit (0.5) **Length:** 1 Semester **Host School/Instructor:** Greenwood (CWETN)

~MUSIC~



BAND

GRADES 9-12

0.5 - 1.0 CREDIT

MU100 This is a standard, 'traditional' band performance class that meets five times per week. A minimum of 50 minutes' practice time per week is expected. There are three to four major concerts per year, the possibility of four parades over the summer months is also possible and into the fall (Granton Fall Festival parade being one), pep band performances both away and at home, Veterans Day Program, large band WSMA festival performance, WSMA solo and ensemble participation and graduation ceremony. All performances are required and full participation is expected and graded.

Prerequisites: Four years' experience on a traditional band instrumental, and/or by consent of the instructor.

OFFERED: Yearly as one full credit; also by semester for .5 credit for select individuals with scheduling conflict with other needed courses.

CONCERT CHOIR**GRADES 9-12****0.5 - 1.0 CREDIT**

MU200 This is a performance class that meets five times per week. The choir performs at the music revue variety show concert, holiday concert, and large group music festival concert, and end of the year pops and awards concert. Music performed will be of concert and contemporary nature. Entry at Solo-Ensemble Festival is required for all students. Honors choirs by nomination are available to students at the director's discretion.

Prerequisites: Choral experience is preferred but not required. If no prior singing experience, entry by audition, or by consent of the instructor.

OFFERED: Yearly

Band Appreciation**GRADE 9-12****0.5 - 1.0 CREDIT**

MU150 In this course students will explore and learn about music theory, composition, and musical styles! we will dive into movie music and try to answer the "Why?" in music!

Prerequisites: Consent of instructor, limited enrollment.

OFFERED: Yearly

COURSES BELOW ARE EITHER DL or ON-LINE & UW, TECH., AP, or HS to HS.

See pg.20 for details, the DL course book, and guidance counselor for further information and applications

Music Theory I High School to High School Course via DL

Prerequisite(s): Students wishing to take this class should be enrolled in a performance ensemble such as band or choir

Description: The objectives of Music Theory 1 are designed to develop in students a thorough understanding of the rules and principles involved in using the language of music; increase their ability to analyze music orally and visually and increase their ability to read music in all clefs. In addition, students will develop skill in composing, arranging, harmonizing, and improvising music and aspects of performance.

Credits: High School (0.5) **Length:** 1 Semester **Host School:** Colby

~PHYSICAL EDUCATION~

One and a half Physical Education credits (1.5) are required for high school graduation. Each class may be taken a maximum of two times to count toward the 1.5 credit graduation requirement. Additional Physical Education classes will count as elective credit. Each student is responsible for any fee (\$) that may incur (example: rental of equipment, assessed fees for participation, etc.), based on the class activities that are listed.

The emphasis of each class is to enhance a physically active lifestyle and learn physical literacy. Students will be introduced to a wide variety of activities, and they will receive instruction on how to develop the basic skills in each. The purpose of the curriculum is to teach students the importance of being physically active, as well as how to develop and maintain an active lifestyle. The lifetime fitness approach: offers more diverse activities; emphasizes lifetime fitness through activity; teaches skill development; teaches individual fitness assessment; and provides opportunities for activity outside of and beyond the classroom.

LIFETIME FITNESS**GRADES 9-12****0.5 CREDIT**

PE 100 This class may include: Fitness plan/development/assessment, cooperative activities/team building, swimming skills, badminton, eclipse ball, dance, ultimate frisbee, volleyball-sand, fish-cast/bait/jig, orienteering/GPS, omniken ball, triathlon/triathlon training, team-building, bocce ball, disc golf, snow shoe, Yoga, ice skating, fitness videos, rock climbing, dance, group dance, etc.

OFFERED: Yearly

INDIVIDUAL/DUAL SPORTS**GRADES 9-12****0.5 CREDIT**

PE 110 This class may include: Fitness plan/development/assessment, resistance training-tubes, race- walk/HRT monitor, swim-endurance swim skills, dance-country/square, bowling, cycling, golf, pickleball, self-defense, yoga, archery, tennis, downhill skiing, badminton, circuit/par fitness course, and triathlon/triathlon training, etc.

OFFERED: Yearly

WEIGHTLIFTING**GRADES 9-12****0.5 CREDIT**

PE 120 This class may include: Creating weight training logs, charting weight records, learning weight maximums, yoga/ ball exercises, cooperative activities/team building, water fitness, frisbee skills, fitness videos, circuit fitness course, etc.

OFFERED: Yearly

TEAM SPORTS**GRADES 9-12****0.5 CREDIT**

PE 130 This class may include: Volleyball, basketball, floor hockey, Lacrosse, softball, swim-water polo, dance-social/folk, floor hockey, broomball, team handball, team-building, crazy cricket, table tennis, flag football, etc.

OFFERED: Yearly

WOMEN'S FITNESS**GRADES 9-12****0.5 CREDIT**

PE140 In Women's Fitness you will work on activities that focus on muscle toning and endurance training. This is a class that will work out your whole body without using a lot of weights. Activities will include step aerobics, yoga, pilates, and dance aerobics.

OFFERED: Yearly

PHYSICAL EDUCATION CREDIT SUBSTITUTION POLICY

Students may complete an additional one-half credit in English, social studies, mathematics or science in lieu of one-half credit in physical education when they participate in a WIAA-sanctioned sport as part of the district's athletic program. Courses eligible for substitution include any non-required course in English, social studies, mathematics or science. The one-half credit substitution must be beyond the minimum graduation requirements in these subject areas. The student must successfully complete this course during the same school year they participate in the WIAA-sanctioned sport. Students choosing to participate in the Physical Education Credit Substitution option must do so before 2nd semester of their senior year.

Additional requirements are as follows:

1. The student must participate in a WIAA sanctioned sport, beginning and ending the season in good standing.
2. The student must not be out for more than two weeks for injury or illness during the sport season, unless the injury or illness is validated by a medical professional.
3. The student must not have any athletic code violations resulting in a suspension of one or more competitions for the sport season.
4. The student must be an athlete eligible to compete throughout the duration of the season.

Students who choose to take a course as outlined above in lieu of one-half credit in physical education must register for the program with the School Counselor in advance and have the coach of the WIAA-sanctioned sport they participate in complete the Physical Education Credit Substitution Form after the season's end. The approved organized physical activity itself does not count as one-half credit of physical education. The one-half credit in one of the designated subject areas will replace the one-half credit of physical education requirement for graduation, leaving the student with a 1.0 credit high school physical education graduation requirement.

Science



Three credits (3.0) of Science are required in order to graduate. Biology is a required course for all students. Most 4-year colleges require three (3.0) credits of science (Physical Science, Biology and Chemistry.) Advanced science credits such as Physics, Advanced Biology, Anatomy and Physiology, and Microbiology are recommended. Check with your school counselor or specific universities for complete information.

Offered Every Year		Offered Every Other Year
Biology Advanced Biology Chemistry Physics AP Physics Earth Science	Astronomy Meteorology Environmental Science Vet Science Food Science Plant Science	<p><u>Even Numbered Years</u> Microbiology</p> <p><u>Odd Numbered Years</u> Anatomy and Physiology</p>

BIOLOGY **GRADE 9-10** **1.0 CREDIT – Required**

SC200 Biology is the study of life and living organisms. This course encompasses four main themes, the process of diversity, energy flow through an ecosystem/individual species, information necessary for life processes, and biological interactions. This class includes learning about the scientific method experiments and other tools biologists use to test their discoveries, cell biology, evolution, genetics and ecology.

OFFERED: Yearly

FOOD SCIENCE **GRADES 9-12** **0.5 CREDIT**

AG330 This course combines agriculture and consumer education to develop an appreciation and understanding of the American Food Supply. Careers, nutritional requirements and food labeling will be featured. Steps and application in Food Processing and engineering will be demonstrated through various lab processes, as well as basic food microbiology labs. Food Safety, Biotechnology and new trends in food chemistry will also be a key emphasis of the course. This course proves to offer many hands on exercises in studying food for its nutrient value and safe handling.

Prerequisite: successful completion of Biology

OFFERED: Even numbered years.

VET SCIENCE **GRADES 11-12** **0.5 CREDIT**

AG310 This course includes units on biotechnology, genetics, animal reproduction and physiology, veterinary science and animal health, and animal nutrition. Controversial and accepted technologies in agriculture are also studied. Students can train and receive certification in AI.

Pre-Requisite: Small Animal Care or Large Animal Science or Biology

OFFERED: Yearly

ADVANCED BIOLOGY **GRADE 10-12** **1.0 CREDIT**

SC360 Advanced Biology is the study of animals and their behaviors and interactions within their environment. This course will build the student's critical thinking skills while focusing on animal classification, species adaptation and diversification, and comparative anatomy through the dissections of various species of animals.

OFFERED: Yearly

CHEMISTRY **GRADES 10-12** **1.0 CREDIT**

SC300 Chemistry is the study matter, including its properties as well as its components. This class is a must for anyone with plans of post high school education. Topics include Scientific Measurement, SI, Classification of Matter, History of the Atom, Atomic Structure, Electron Clouds, the Periodic Table, Chemical Formulas, Moles, Chemical Reactions, Chemical Bonding and Gas Laws. There is a strong lab component to this course.

Prerequisites: Algebra I (grade of C or better) or consent of instructor.

OFFERED: Yearly

PHYSICS

GRADES 11-12

1.0 CREDIT

SC310 Physics is the study of matter and energy and how they are related. Topics include Measurement, SI, Classical Mechanics, Force, Gravitation, Friction, Momentum, Light/Optics, and Sound. There is a strong lab component to this course.

Prerequisites: Successful completion of Physical Science, Algebra I, and Geometry (grade of C or better in each) or consent of instructor.

OFFERED: Yearly

ANATOMY & PHYSIOLOGY

GRADES 11-12

1.0 CREDIT

SC320 Anatomy and physiology is a one-credit class focusing on the human body. Students will study the different systems of the human body and fundamental physiological concepts. Any student thinking about careers in health or medical related careers should take this course as an introduction to that field. Students will be required to read two novels throughout the semester for reading integration. During the school year, the topics of ethics and morals will be addressed and the dissection of chicken eggs and cats will take place. Students will need to be open to these concepts in order to enroll in this class.

Prerequisites: Successful completion of Biology (grade of B or higher) or approval of instructor.

OFFERED: Odd-numbered years

MICROBIOLOGY

GRADES 11-12

1.0 CREDIT

SC330 This course may be of interest to students planning to enter health related fields after graduation. Units include: basic microscope techniques, microbiological specimen preparation and staining techniques, morphology, nutritional and environmental needs of microbes, genetics and microbe identification. Students will be learning and using laboratory techniques that will help prepare them for secondary education. Students will be required to read two narratives throughout the semester for reading integration.

Prerequisites: Successful completion of Biology (grade of B or higher) or approval of instructor.

OFFERED: Even-numbered years

ASTRONOMY

GRADES 11-12

0.5 CREDIT

SC400 This semester course will provide a general survey of Astronomy. Topics will include the history of astronomy, time, tools of astronomy, the solar system, stars and stellar evolution, galaxies, dark matter and dark energy, cosmology and space exploration. The course will include several moodle and internet based projects throughout the semester. Students will have the opportunity to visit a planetarium for a class field trip. For those wondering what is beyond their front door or in this case Earth. It is advised that students have computer access at home for homework completion.

Prerequisites: Successful completion of Physical Science (grade of B or higher) or approval of instructor.

OFFERED: Yearly (Granton hosts course via CWETN)

METEOROLOGY

GRADES 11-12

0.5 CREDIT

SC340 This semester course will provide a general survey of Meteorology. Topics will include the structure of the atmosphere, humidity, wind, clouds, server weather, and forecasting. The course will include lectures, labs, and projects throughout the semester. Students will be given an independent project on climate change at the beginning of the semester. These projects will be presented at the end of the semester. This class is for those wondering what the weather will be tomorrow and why.

Prerequisites: Successful completion of Biology (grade of C or higher) or approval of instructor.

OFFERED: Yearly (Granton hosts course via CWETN)

COURSES BELOW ARE EITHER DL or ON-LINE & UW, TECH., AP, or HS to HS

See pg.20 for details, the DL course book, and school counselor for further information and applications.

(GRADES 11-12) High School to HS via

ENVIRONMENTAL SCIENCE

DL

0.5 CREDIT

SC350 Environmental science is a course that focuses on integrating our understanding of biological, physical and social sciences through the study of environmental interactions. In this class you will examine the causes, consequences, and potential solutions for both natural and human created environmental problems. Environmental Science includes many projects and group work along with an emphasis on current environmental issues.

Prerequisites: Successful completion of Biology **OFFERED:** Yearly Distant Learning (Spencer)

Microbiology and Parasitology (Grades 11-12) High School to HS via DL Credits 1.0

Description: This fun and lively advanced course looks at things such as why you, as well as other animals and plants, get sick. We'll explore many organisms usually too small to see without a microscope. Topics covered will most likely included a little history, very basic biochemistry, laboratory procedures, types of good and bad microorganisms, anatomy and growth of bacteria and viruses, ways to control microbes (including drugs and chemicals), some genetics, biotechnology, how our bodies fight infections, and many diseases (worldwide) that confront us throughout our lives. Laboratory work will include an extensive emphasis on modern biotechnology experiments related to microbiology. A few field trips to advanced level laboratories are planned. Laboratory and field trip work will most likely involve half or full days in Spencer/Marshfield area.

Prerequisite(s): Chemistry and Biology **Length:** Full Year **Host School:** Spencer

Pathophysiology (Grades 11-12) High School to HS via DL Credits 1.5

Description: A fascinating and in-depth look at the changes (deviations from normal) produced by a wide variety of common diseases, disorders, and injuries affecting humans throughout their lifespan. There will be a little review of normal structure and function, some laboratory work, and field trip opportunities.

Prerequisite(s): Previous or current coursework in Anatomy & Physiology as well as Chemistry
Credits: High School (1.0) **Length:** Full Year **Host School:** Spencer

~SOCIAL STUDIES~

Three credits (3.0) of Social Studies are required for high school graduation: American History I and II, Political Science, and .5 credit of Social Studies electives.



Offered Every Year	Offered Every Other Year (depending on numbers)
American History I American History II Political Science World History I World History II Psychology <u>DL Classes</u> Intro to Psychology (NTC) Intro to Sociology (NTC) AP Psychology College History (UW Colleges)	<u>Odd Numbered Years</u> Wisconsin Social Studies <u>Even Numbered Years</u> Current Events

AMERICAN HISTORY I GRADE 9 1.0 CREDIT – Required

SS100 This required course, designed for incoming freshmen and some sophomores, will give students an introduction to the geography, people, places, events, attitudes, and ideas that have helped shape America. American History I starts with America before European contact, follows the creation and development of the American colonies and the fledgling American nation, before focusing on the struggles of the young country. Special emphasis at that point will be put on the division created over the issue of slavery, the resulting Civil War, and finish the year with post-war Reconstruction.

OFFERED: Yearly

AMERICAN HISTORY II**GRADES 10-11****1.0 CREDIT – Required**

SS200 This required course picks up where American History I left off. We will look at the foundation of modern America from the 1860's until World War I including the settling of the West and the issues associated with race, industry, cities, and immigration. The course will then switch into turn of the century foreign policy forays, the Roaring 20's, the Great Depression, and World War II. The end of the year will be spent on the social, economic, political, and cultural developments since World War II that have shaped our country today with emphasis on the Cold War, Civil Rights movement, Vietnam era, and issues that our country faces today.

Prerequisite: Completion of American History I

OFFERED: Yearly

WISCONSIN SOCIAL STUDIES**GRADE 11-12****0.5 CREDIT**

SS400 During the course of this class we will be learning about Wisconsin from the perspective of a number of different Social Studies disciplines. We will learn the geography and climate and the regional differences of those in our state. We will spend the majority of the class learning about the history of our state; starting with Native Americans through the early European settlement leading to statehood, the Civil War, the many changes in our economy, and the struggles of modern times. During the course of that study we will learn some of the origins and features of our state's unique culture and people. We will then turn to a sociological and demographic look at Wisconsin today. We will look at the people of the state and features like religion, ethnic groups, race, income, and regional differences. We will finish the year with a brief overview of our government system in Wisconsin. This course meets 0.5 credit of the social studies elective requirement.

OFFERED: Odd Numbered Years

POLITICAL SCIENCE**GRADE 11-12****0.5 CREDIT**

SS412 This course uses the perspective of political institutions to explore government history, organization, and functions. Students encounter the political culture of our country from the Declaration of Independence to the present day, gaining insight into the challenges faced by presidents, members of Congress, and other political participants. The course also covers the roles of political parties, interest groups, the media, and the Supreme Court. Students learn to use primary historical documents as evidence in evaluating past events and government functions. This course will culminate in a Civics Exam which meets graduation requirements per the Wisconsin DPI. It is a required component of the 3.0 social studies credits mandated for graduation from Granton.

OFFERED: Yearly. **GRADUATION REQUIREMENT AS OF CLASS OF 2019 AND BEYOND.**

CURRENT EVENTS**GRADE 11-12****0.5 CREDIT**

SS413 This course will focus on events that have happened around the World in the past 20 years. We will investigate the historic origins of the events that make world new headlines today. Students will be required to read and analyze current news publications in periodicals such as Newsweek and Time. Much of the class will be discussion and research based. Students will be able to choose many of the topics discussed in class.

OFFERED: Even Numbered Years

WORLD HISTORY I**THE ANCIENT WORLD****GRADE 11-12****0.5 CREDIT**

SS415 Students learn about the rise of civilizations in the Near East, the Egyptians in the days of the Pharaohs, and the warring City-States of Mesopotamia. The culture and society of the Ancient Greeks will be examined, from the militaristic polis of Sparta to the world's first democracy in Athens. Special attention will be paid to how the philosophy of ancient Greece has shaped western culture. The rise and fall of the Roman Republic and Empire will be analyzed, from its beginning as a small city to the most powerful Empire the world had ever known. Special attention will be paid to individuals of high influence and examining the impact of the individual on the course of history. Finally, we will examine the rise of Christianity and the barbaric kingdoms of Europe following the collapse of Rome. World History I and II may be taken in any order.

OFFERED: Yearly

WORLD HISTORY II**RENAISSANCE TO TODAY****GRADE 11-12****0.5 CREDIT**

SS435 Students will learn about the Middle Ages through our current times. As the Renaissance brings new light to Europe in the areas of science, mathematics, art, literature, and music, Europe also begins to dominate the globe politically. We will examine how this European dominance began as well as how it has impacted the world we inherit today. Time periods of focus will include the Renaissance, revolutionary Europe in the 1800's, and the dynamic 20th century. Special attention will be paid to the concepts of revolution, art, philosophy, technology, warfare and current events. Students will be expected to think critically about readings and writing and question conventional understandings of what history is and how it affects the world today. World History I and II may be taken in any order.

OFFERED: Yearly

PSYCHOLOGY**.5 CREDIT**

SS500 The curriculum provides a high school level overview of basic psychological concepts such as brain development, function, personality, altered states of consciousness, and abnormal behaviors. Students are expected to design, execute, present, and experiment. Writing skills are emphasized in this course.

OFFERED: Yearly

COURSES BELOW ARE EITHER DL or ON-LINE & UW, TECH., AP, or HS to HS.

See pg. 20 for details, the DL course book, and school counselor for further information and applications.

INTRODUCTION TO PSYCHOLOGY**(GRADE 11-12) NTC Course via DL****.75 CREDIT**

SS610 Description: This introductory **college-level** course in psychology is a survey of the multiple aspects of human behavior. It involves a survey of the theoretical foundations of human functioning in such areas as learning, motivation, emotions, personality, deviance and pathology, physiological factors, and social influences. It directs the student to an insightful understanding of the complexities of human relationships in personal, social, and vocational settings

OFFERED: Distant Learning through NTC (3.0 college credits earned at completion)

Psychology, General (PSYCH 100) (UW Psych. College Course)

Course Prerequisites: None

Description: This introductory Psychology course introduces students to the basic concepts of human behavior, learning, thinking, motivation, perception, emotion, behavior disorders, personality, psychological tests, social behavior and selected applications of psychology.

Credits: UW-Eau Claire Credit (3.0)

Length: 1 Semester (2nd Semester).

Introductory Psychology (PSY 202) (UW Psych. Course via DL)

Prerequisite(s): Requires completion of online special student application and submission of transcripts.

Description: Survey of major content areas in psychology. Topics include research methodology, learning, memory, cognition, biological psychology, sensation, perception, motivation, emotion, development, personality, psychopathology and social psychology. Students may not receive credit for both PSY 201 and PSY 202.

Credits: UW System Credit (3.0).

Length: 1 Semester (1st Semester). **Host School/Instructor:** UW Colleges

PSY 250: Life Span Developmental Psychology (UW Psych. Course)

Prerequisite(s): Grade of C- or better in PSY 201 or PSY 202

Description: A survey of human development theories and research. Topics include the biological, cognitive, emotional, and social development of the individual from the prenatal period through old age and the process of death and dying. Students taking PSY 250 may not also receive credit for PSY 360 or PSY 362.

Credits: 3.0 **Length:** 1 Semester

Host School/Instructor: UW Colleges

INTRODUCTION TO SOCIOLOGY**(GRADE 11-12) NTC Course via DL****.75 CREDIT**

SS620 Description: This introductory **college-level** course introduces students to the basic concepts of sociology: culture, socialization, social stratification, multiculturalism, and the five institutions, including family, government, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues.

OFFERED: Distant Learning through NTC (3.0 college credits earned at completion)

TECHNOLOGY EDUCATION

Offered Every Year	Offered Every Other Year
<p>Woods I Woods II Intro to Welding Metals Intro to AutoCAD (year-long) Building & Construction Manufacturing Advanced Tech. Ed. Home & Auto Maintenance Advanced Welding</p>	<p>Odd Numbered Years Power Energy & Transportation Architectural Drafting Drones</p>
 	 <p>Even Numbered Years Small Engines</p> 



WOODS I

GRADES 9-12

0.5 CREDIT

TE 100 This is a semester course in which students will learn how industry alters materials to fit consumer's needs. The class will cover safety, measurement, calculating board feet, work instructions, precision measurement and reading blueprints. Students will learn about different processes which include: combining, separating, forming, and finishing. Students will have the opportunity to work with and transform wood into a variety of products throughout the semester. Safe and correct operation of all lab tools and equipment is required.

OFFERED: Yearly (1st semester)

WOODS II

GRADES 9-12

0.5 CREDIT

TE 240 This class will expand on previously learned skills covered in Woods I. In this class students will cover many of the same topics in greater depth and accuracy. Students will also design, purchase materials and build their own woodworking projects. The \$15 will cover the first project of the class but projects after that will need to be paid for by the student.

Prerequisites: Woods 1 or consent of instructor.

OFFERED: Yearly (2nd semester)

INTRO TO AutoCAD

GRADES 9-12

0.5-1.0 CREDIT

TE220 In this course, students study the fundamentals and basic constructions used in drafting. Fundamentals such as line weight, lettering, and dimensioning are studied. This course is designed for students seeking in-depth, hands-on knowledge of technology. Students will be working to design, construct, and test various projects throughout the year, utilizing a 3D solid modeling program. These projects may include: Puzzle Cubes, Desktop Organizers, and Lego Products. This course could lead into the vast fields of engineering: medical, environmental, manufacturing research & design, and/or computer applications. All drawings will be completed using Computer Aided Design (CAD) software. Students are encouraged to take advantage of the year-long option for this course, but may take for one semester if schedule conflicts will not permit a full year.

OFFERED: Yearly

BUILDING & CONSTRUCTION

GRADES 9-12

0.5 CREDIT

TE310 This is a one-semester course for those students with a strong interest in construction related careers. Emphasis is placed on residential construction and students will learn about the many tools, techniques, and materials used in the residential construction industry. Safety and construction code is also outlined along with the many career opportunities in the construction technology area. The course often centers around one large building project and students should be prepared for some physical labor.

Prerequisites: Woods I or consent of instructor.

OFFERED: Yearly

INTRO TO WELDING**GRADES 10-12****0.5 CREDIT**

Transcripted Credit through MSTC is available to students taking this course, with the potential to earn 1.0 college credits.

TE370 This course will teach students a variety of skills needed to work in the manufacturing industry. The class will cover safety, measurement, blueprint reading, forging, sheet metal, metal layout, MIG welding, TIG welding, Arc welding, oxy-acetylene, and career opportunities. The students will receive lectures, demonstrations and lab time to produce several projects.

OFFERED: Yearly

METALS**GRADES 9-12****0.5 CREDIT**

TE330 This class is recommended for 9th and 10th graders. Students learn about safety, materials, and processes used in industry. They study types of metal, tools, and methods of machining: lathe milling machines, drill presses, and sheet metal work.

OFFERED: Yearly

ADVANCED WELDING**GRADES 10-12****0.5 CREDIT**

TE350 Advanced Welding is a metal fabrication and construction course. Students will receive experience in arc and oxyacetylene welding. Accelerated students also receive experience on the TIG and MIG machines. The course will include a student-designed project.

PREREQUISITE: Intro to Welding

OFFERED: Yearly

MANUFACTURING**GRADES 9-12****0.5 CREDIT**

TE300 This course is designed for students to learn about the broad field of manufacturing. Students will learn about what manufacturing is, how it has developed, different types of manufacturing, planning, and production. Students will work as a group to form a small company in which they will design, produce, market, package, and distribute their product.

Prerequisites: Woods 1 or consent of instructor.

OFFERED: Yearly

ARCHITECTURAL DRAFTING**GRADES 10-12****0.5 CREDIT**

TE230 This course focuses on architectural drafting. Drawings will be completed with AutoCAD. There will be an expansion upon the first semester's work to include architectural details, 3-D drawings, utility plans (plumbing, electrical, and HVAC), schedules, sections, landscape plans and pictorials. The course work will emphasize good architectural design, fundamentals, and engineering principals as well as career study in the field of Architectural Drafting. Students should be self-motivated.

Prerequisites: Intro to AutoCAD recommended but not required.

OFFERED: Odd Years

ADVANCED TECH ED.**GRADES 10-12****0.5 – 1.0 CREDIT**

TE211 In this course, students work independently under learning contracts on research projects or lab projects of their own design and fabrication. *All material cost (such as wood and metal) for projects must be paid by student.* Some career study will be included as part of this course. Students may work in any area of Technology Education as long as they have completed the prerequisite courses in that cluster. Students will need to submit a project plan along with parent approval before they are allowed to enroll in the class.

Prerequisites: Consent of instructor

OFFERED: Yearly

POWER ENERGY & TRANSPORTATION**GRADES 10-12****0.5 CREDIT**

TE200 This course is divided into five segments: sources of energy, transmission of energy, storage and control of energy, and transportation. Students rotate through learning stations that include basic electronics, hydraulics, engines, mechanisms and solar energy.

OFFERED: Odd Years

APPLIED HOME AND AUTO MAINTENANCE**GRADES 9-12****0.5 CREDIT**

TE120 This course is designed for those students with an interest in general consumer awareness pertaining to home and automobile maintenance. The class will be split by quarter, one quarter will be dedicated to Autos and another to Home maintenance. In the Autos portion of the class students will be focused on purchasing, maintaining, and repairing vehicles. The Home

portion of the class will focus on residential wiring and home wiring design. Students will gain hands-on experience in auto maintenance, basic electrical wiring, and plumbing.

Offered: Yearly

SMALL ENGINES TECHNOLOGY AND REPAIR**GRADES 10-12****0.5 CREDIT**

TE130 Students will learn how to diagnose, tune-up, repair and rebuild all types of small air cooled engines. They will study the two and four stroke cycle engine and an introduction to the automobile engine.

Offered: Even Years

UAV DRONE TECHNOLOGY**GRADES 10-12****0.5 CREDIT**

TE130 The MINDS-i UAV Drones gives students a great opportunity to practice and learn STEM with the exciting addition of a UAV competition. This lab mixes drone building and programming with an additional focus on preparing for classroom, community, state-wide, and national competitions.

Offered: Odd Years

COURSES BELOW ARE EITHER DL or ON-LINE & UW, TECH., AP, or HS to HS.

See pg.20 for details, the DL course book, and guidance counselor for further information and applications.

(Grades 10-12) On-line

Principles Of Small Engine Technology: Certification**Class****0.5 Credit**

This class is taught online via iCEV Career Pathways. It is endorsed by the Equipment and Engine Training Council and provides students with in-depth knowledge of small engine technology and equips students with the fundamental skills necessary to pursue a career in this industry. Industry Certification can be earned via a final exam at the conclusion of the course.

Prerequisite: Small Engines Tech and Repair is recommended but not required prior to this certification course.

Offered: Yearly

Drone Technology Grade Level: 11-12 High School to High School Course via DL

Prerequisite(s): None

Description: This course focuses on the elements of STEM education. Besides addressing essential theory and design concepts of today's drone technology, this class includes problem solving activities that are aimed at enhancing student understanding. This course is designed to prepare students to successfully pass the FAA's 14 CFR Part 107 Remote Pilot Certification.

Note: Schools participating via DL, have the option to purchase a drone kit (highly recommended). This kit will provide a hands-on approach to apply the science behind the course.

Credits: High School (0.5) **Length:** One semester **Host School:** Augusta (CADENC hosted class)

Additional Course Offerings Information

~ACADEMIC TUTORING~

- Students can earn up to 1 academic credit for tutoring elementary students during the regular school day
 - Credits will be earned on a "Pass" or "Fail" basis.
 - Credits earned will count as elective credits and will not impact student grade point average
 - Any student that is removed from the course would be placed in a study hall and will receive an Failure (F) for the course.
- Students must enroll for the course for at least a semester and may enroll for the full academic year
- Enrollment in this course is subject to the following prerequisites:
 - Course is open to students in grades 11-12
 - Students will be placed subjectively based upon a decision made by the principal, school counselor, and teacher.
 - Any student to be placed must meet the following criteria:
 - Minimum of a 3.0 GPA (**no exceptions**)
 - No suspensions from school; any student suspended will be removed from the course
 - Three or more disciplinary referrals, or detentions, in a semester will lead to removal from the course
- Course specifics:

- Students will be required to meet daily with either:
 - A K-5 student that needs academic assistance
 - A K-5 classroom teacher to determine daily need for assistance
- Students will be required to have a daily sign in/out sheet to account for their daily activity
 - Sheets must be turned in daily, or weekly, to their academic monitor/teacher – that time will be determined at a later date
- Portions of this course may include a classroom setting where the academic tutor is instructed by school staff on current practices, theories, and/or techniques that will be helpful to a tutor.

~ACADEMIC ASSISTANT~

- Students can earn up to 1 academic credit for assisting middle and high school teachers in their classroom during the regular school day.
 - Credits will be earned on a “Pass” or “Fail” basis.
 - Credits earned will count as elective credits and will not impact student grade point average
 - Any student that is removed from the course would be placed in a study hall and will receive an Failure (F) for the course.
- Students must enroll for the course for at least a semester and may enroll for the full academic year
- Enrollment in this course is subject to the following prerequisites:
 - Course is open to students in grades 11-12
 - Students will be placed subjectively based upon a decision made by the principal, school counselor, and teacher.
 - Student must have a career interest related to the subject of the course being taught during their academic assistant placement hour
 - Any student to be placed must meet the following criteria:
 - Minimum of a 3.0 GPA (no exceptions)
 - No suspensions from school; any student suspended will be removed from the course
 - Three or more disciplinary referrals, or detentions, in a semester will lead to removal from the course
- Course specifics:
 - Students will be required to have a daily sign in/out sheet to account for their daily activity
 - Sheets must be turned in daily, or weekly, to their academic monitor/teacher – that time will be determined at a later date
 - Students may be asked to create projects, bulletin boards, class materials (flashcards). They may also be asked to plan a lesson and teach the lesson to the class (with instructor approval)

~WORKBASED LEARNING PROGRAMS~

The goal of the work based learning program at Granton is to encourage strong ties between school and career goals. All students interested in pursuing any form of a work based learning program are encouraged to take the Personal Leadership course at Granton High School before entering this program. Enrollment is limited to students with Junior or Senior status. Admittance to the program requires permission of the CTE coordinator.

Youth Apprenticeship*

(either a 1 or 2 year program) – A State of Wisconsin certification program. Students participating in the Youth Apprenticeship program may receive up to 4 class periods of work release. School officials will make the final decision on the amount of work release given to a student participating in these programs

Requirements: Must be a paid experience (1 year 450 hours, 2 years 900 hours)

Must complete course work required by state (one course per semester)

Programs We Offer or Have Offered:

- Agriculture Production
- Automotive Technician
- Finance
- Health
- Information Technology
- Welding
- Hospitality and Tourism
- A/V Technology
- STEM

Supervised Work Experience (SWE)*

The Granton Supervised Work Experience is an individualized program for juniors or seniors where students are given the opportunity to experience potential careers firsthand through placement and job shadow opportunities. The SWE format allows students to work closely with the advisor to focus on their future career plans and gain personal experience in an area related to that career. It includes job preparedness training where students will gain expertise in completing a job application, developing resumes, cover letters and professional portfolios, as well as, improving interview skills. This is all done on an independent basis, in conjunction with an actual career experience. Students will be allotted time during the school day (up to 2 class periods of work release*), or after hours, to participate in a work setting, which will provide them additional skills to be more career ready. The SWE will include weekly documentation of tasks and skills learned or performed on the job, as well as, regular visits with the supervising instructor to ensure the most successful experience as possible. The SWE will be very specific and specialized according to each student participant's individual needs.

**School officials will make the final decision on the amount of work release given to a student participating in these programs.*

SWE/YA Guidelines

- 1.) Two teacher recommendations must be completed before admittance into the SWE or YA program.
- 2.) All necessary paperwork must be completed before a student can begin the SWE or YA program. Deadline will be set at a later time.
- 3.) Students cannot be employed by their own family. (Special circumstances will be considered on an individual basis)
- 4.) Students must maintain a "C" or higher grade in all classes, or they will be dismissed from the program.
- 5.) A grade evaluation must be completed every two weeks and given to the advisor indicating "C" or higher grade in all classes.
- 6.) Students must be or have been enrolled in classes that correlate with his or her SWE or YA program. Also, students should have taken or be enrolled in Careers Workshop class.
- 7.) 4 or more unexcused absences from school in a quarter will result in dismissal from the program.
- 8.) Weekly hour verifications must be completed every week and given to the advisor every Monday after the work week.
- 9.) Work visits by the coordinator are typically planned, but can be an unplanned visit if needed.
- 10.) Work hours must be completed during the school hours that the student is absent from school. Special circumstances can be made between advisor, employer, and student, but will be on a case by case individual basis. (i.e. Needing to leave early for sports practice, those hours can be made up on weekends.)
- 11.) During late start days or different schedule days, students must attend classes, even if it is during his or her SWE or YA work time.

~TECH. SCHOOL LEARNING PROGRAMS~

Early Childhood Education

The following three ECE classes will be offered in a year-long sequence. Successful completion of all three courses earns students NTC's Early Childhood Licensing Basic Ages 0-2 state certificate, which is eligible for ACT 59 incentive grant reimbursement under currently released guidelines.

- 1. ECE: Foundations of Early Childhood Education** Prerequisite(s): None. Description: This 3-credit course introduces you to the early childhood profession. Course competencies include: integrate of strategies that support diversity and anti-bias perspectives; investigate the history of early childhood education; summarize types of early childhood education settings; identify the components of a quality early childhood education program; summarize responsibilities of early childhood education professionals; explore early childhood curriculum models, and analyze the principles of the WI Model Early Learning Standards. Credits: NTC Credit (3.0) Length: Approximately 11 weeks – part 1 of ECE sequence
- 2. ECE: Infant and Toddler** Prerequisite(s): None Description: In this 3 credit course, you will study infant and toddler development as it applies to an early childhood education setting. Course competencies include: integrate strategies that support diversity and anti-bias perspectives, analyze development of infants and toddlers (conception to three years), correlate prenatal and postnatal conditions with development, summarize child development theories, analyze the role of heredity and the environment, examine culturally and developmentally appropriate environments for infants and toddlers, examine the role of brain development in early learning (conception through age three) and examine care giving routines as curriculum. Credits: NTC Credit (3.0) Length: Approximately 11 weeks – part 2 ECE sequence

3. ECE: Health, Safety & Nutrition Prerequisite(s): None Description: This 3-credit course examines the topics of health, safety and nutrition within the context of the early childhood educational setting. Course competencies include: integrate strategies that support diversity and anti-bias perspectives, follow governmental regulations and professional standards as they apply to health, safety and nutrition, plan a safe and healthy early childhood environment, plan nutritionally sound meals, examine Child Abuse and Neglect (CAN) issues and mandates, apply Sudden Infant Death Syndrome (SIDS) risk reduction strategies and apply strategies to prevent occurrence of Shaken Baby Syndrome (SBS) and incorporate health, safety and nutrition concepts into the children’s curriculum. Credits: NTC Credit (3.0) Length: Approximately 11 weeks – part 3 of ECE sequence

Certified Nursing Assistant

Students with a career interest in healthcare have the opportunity to participate in certified nursing programs through Mid-State Technical College or Chippewa Valley Technical College. These programs are part of Start College Now, whereby the cost of certification is covered by the district for students who are approved to take the class. See your school counselor for more information.

Length: Approx. 11 weeks. Classes occur outside of regular school hours on evenings and weekends at a location determined by the technical college. Students are required to provide their own transportation and cover any additional fees incurred with the class (e.g. textbooks, required clothing, etc.)

Credits: 3 college credits (.75 high school credits)

Stainless Steel Welding Technical Diploma

Students with a career interest in welding have the opportunity to earn a technical diploma in TIG welding via Mid-State Technical College, through the Youth Options program. Cost of attendance is covered by the district for students who are approved for the program.

Length: Approx. 11 weeks. Classes occur outside of regular school hours on evenings and weekends at a location determined by the technical college. Students are required to provide their own transportation and cover any additional fees incurred with the class (e.g. textbooks, required clothing, etc.)

Credits: 7 college credits (2.25 high school credits)

*Other programs are available. Please see your school counselor if you are interested in more information.

We hope you found our academic and career planning guide useful. If you have any questions or comments about the information listed in here, please contact our school counselor, Shelly Schmitz, our YA Coordinator, Kevin Pankratz, or our principal, Amanda Kraus. We thank you for your partnership and know that together our students will always succeed. As always,

We Are Bulldog Nation Proud!