

Course Description Guide

2024- 2025

This course description guide provides information about courses offered at Valley City High School.

Use this guide to select courses that will meet graduation requirements and your own individual career goals.

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VALLEY CITY HIGH SCHOOL GRADUATION REQUIREMENTS

Note: VCHS requires 24 credits for a student to be eligible for graduation.

(Note: DC = Dual Credit)

<u>Courses:</u>	<u>Credits:</u>
English	4
- English 9	- (ENGL 110) College Comp I DC
- English 10	- (ENGL 120) College Comp II DC
- English 11	- (ENGL 220) Intro to Literature DC
- English 12	- (ENGL 232) Mythology DC
- (ENGL 125) Professional Writing w/ Literature DC	
- (COMM 110) Fundamentals of Public Speaking DC	
 Mathematics	 3
- Algebra	- Pre-Calculus
- Geometry	- Calculus
- Advanced Algebra	- (MATH 107) Pre-Calculus DC
-Consumer Math	- (MATH 165) Calculus DC
 Science	 3
- Physical Science	- STEM
- Biology	- Chemistry
- Physics	- (CHEM 115) Chemistry DC
- Anatomy & Physiology DC	- Practical Chemistry
-Wildlife Ecology	- Forensic Science
 Social Studies	 3
- World History	
- US History	
- (HIST 103) US History DC, (HIST 104) US History DC	
- Economics	
- American Government	
 Physical Education <u>or</u> (HPER 100) Fitness & Wellness DC	 1
Health	1/2
Family Living	1/2
Spreadsheets & Word Processing <u>or</u> (CIS 170) CIS DC	1/2
Financial Literacy	1/2
Electives	8

NOTES

- For admission to a 4-year public or private university in North Dakota, please check with the Admissions office of that university for course requirements or recommendations.
- For admission to a 1- or 2-year training program in North Dakota, check for recommended courses at the Admissions Office of that training program.
- For admission to a college in a different state, check for recommended courses at the Admissions Office of that college.
- For admission to NCAA Division I or Division II Athletics, check at www.eligibilitycenter.org for required courses.
- For admission to NAIA Athletics, check at www.naia.org for requirements.

VALLEY CITY HIGH SCHOOL COURSES 2024-2025

New Courses for 2024-25

*Course Name (* = Required Course, \$\$\$ = fee for class) Grade Prerequisite Dual Credit (DC)*

ART

Art I (\$\$\$).....	9-12		
Art II (\$\$\$)	10-12	Prerequisite	
Advanced Art III (\$\$\$).....	11-12	Prerequisite	
Advanced Art IV (\$\$\$).....	12	Prerequisite	
Community Art (\$\$\$).....	10-12		

BUSINESS EDUCATION - 1 credit required

*Word Processing/Spreadsheets	9-12		
Introduction to Computer Information Systems DC (\$\$\$).....	10-12	Prerequisite	DC
*Financial Literacy.....	9-12		
Desktop Publishing	10-12		
Multimedia	10-12		
Multimedia II.....	11-12...	Prerequisite	
Accounting I	10-12		
Accounting II DC (\$\$\$)	10-12 ...	Prerequisite	DC
Accounting III/IV	11-12 ...	Prerequisite	
Marketing I	10-12		
Marketing II	11-12 ...	Prerequisite	

CAREER and TECHNICAL EDUCATION

Automotive Technology I (\$\$\$)	11-12		
Automotive Technology II (\$\$\$)	12	Prerequisite	
Foundations of Automotive (\$\$\$)	9-12		
Arts, Audio/Visual Tech & Comm. Career Cluster (\$\$\$).....	9-12		
Unmanned Aircraft Systems (\$\$\$).....	10-12		
Construction Careers I (\$\$\$)	11-12		
Construction Careers II (\$\$\$)	11-12	Prerequisite	
Architecture & Construction (\$\$\$)	9-12		
Graphic Communications I (\$\$\$)	11-12		
Graphic Communications II (\$\$\$)	12	Prerequisite	
Graphic Communications Career Cluster (\$\$\$)	11-12	Prerequisite	
Health Career I (\$\$\$)	10-12		
Health Career II (\$\$\$)	11-12	Prerequisite	
Medical Terminology (\$\$\$).....	10-12.....	Prerequisite.....	DC
Welding Technology I (\$\$\$)	11-12		
Welding Technology II (\$\$\$)	12	Prerequisite	

FAMILY and CONSUMER SCIENCE

Nutrition & Foods I (\$\$\$).....	9-12		
General FACS.....	9-12		
Cultures & Cuisines.....	10-12		
Child Development	9-12		

HEALTH - 1 credit required

*Health	9-12		
*Family Living	10-12		

LANGUAGE ARTS - 4 credits required

*English 9	9		
*English 10	10	Prerequisite	
*English 11	11	Prerequisite	
*English 12.....	12	Prerequisite	
College Comp I DC (\$\$\$).....	11-12.....	Prerequisite	DC
College Comp II DC (\$\$\$)	11-12 ...	Prerequisite	DC
Creative Writing I	10-12		
Fundamentals of Public Speaking DC (\$\$\$)	11-12 ...	Prerequisite	DC
Professional Writing w/Literature DC (\$\$\$)	11-12 ...	Prerequisite	DC
Mythology DC (\$\$\$)	12	Prerequisite	DC
Introduction to Literature DC (\$\$\$)	12	Prerequisite	DC
Spanish I	9-12		
Spanish II	10-12 ...	Prerequisite	DC
Spanish III	11-12 ...	Prerequisite	DC
Applied Communication (Academy Only).....	11-12	Prerequisite	
Business English (Academy Only).....	11-12		

MATH - 3 credits required

*Algebra	9-10		
*Geometry	9-11	Prerequisite	

New Courses for 2024-25

Course Name (* = Required Course, \$\$\$ = fee for class) **Grade** **Prerequisite** **Dual Credit (DC)**

MATH (cont'd)

Advanced Algebra	10-12 ...	Prerequisite	
Consumer Math	11-12 ...	Prerequisite	
Pre-Calculus	11-12 ...	Prerequisite	DC
Calculus	12	Prerequisite	DC

MUSIC

Senior Band	9-12 ...	Prerequisite	
Senior Choir	9-12		
Guitar.....	9-12		

PHYSICAL EDUCATION - 1 credit required

*Physical Education 1	9-12		
*Physical Education 2	10-12		
Fitness/Conditioning Activities	10-12		
Concepts of Fitness and Wellness DC (\$\$\$)	10-12	Prerequisite.....	DC
Intro to Coaching	10-12		
Sports Officiating	10-12		
Adaptive PE	9-12		

SCIENCE - 3 credits required

*Physical Science	9		
*Biology	10	Prerequisite	
STEM Seminar I & II.....	11-12		
Chemistry	11-12 ...	Prerequisite	DC
Physics	11-12 ...	Prerequisite	
Forensic Science	11-12 ...	Prerequisite	
Practical Chemistry	10-12 ...	Prerequisite	
Wildlife Ecology	11-12 ...	Prerequisite	
Anatomy & Physiology DC (\$\$\$).....	11-12 ...	Prerequisite	

SOCIAL STUDIES - 3 credits required

North Dakota Studies	9-12		
*World History	10		
*US History	11		
US History DC (\$\$\$)	11-12 ..	Prerequisite.....	DC
Sociology.....	9-12		
Psychology DC (\$\$\$)	10-12....	Prerequisite.....	DC
General Psychology	9-12		
*Economics	12	Prerequisite	
*American Government	12	Prerequisite	

TECHNOLOGY & ENGINEERING EDUCATION

Invention & Innovation	9-12		
ADA Robotics	9-12		
Banner & Canvas Design	9-12		
Banner & Canvas Design II.....	10-12	Prerequisite	

EDUCATION

Introduction to the Teaching Profession (\$\$\$)	12	Prerequisite.....	DC
Introductory Field Experience (\$\$\$)	12	Prerequisite.....	DC
Peer to Peer.....	9-12		

New Courses for 2024-25

Course Name (= Required Course, \$\$\$ = fee for class) Grade Prerequisite Dual Credit (DC)*

DUAL CREDIT COURSES

<u>VCHS Class Name</u>	<u>Offered at Grade Level</u>	<u>VCSU Class Name</u>	<u>Credit</u>
Intro to Computer Information Systems DC...	10-12.....(Page 6)	CIS 170-Intro to Computer Information Systems	3
Accounting II DC.....	10-12.....(Page 7)	ACCT 200 – Elements of Accounting I	3
Concepts of Fitness and Wellness DC	10-12.....(Page 17)	HPER 100 – Concepts of Fitness and Wellness	2
Chemistry DC.....	11-12.....(Page 18)	CHEM 115 – Introductory Chemistry	4
US History 11 (S1) DC	11-12.....(Page 20)	HIST 103 – United States to 1877	3
US History 11 (S2) DC	11-12.....(Page 20)	HIST 104 – United States History to Present	3
College Comp I DC.....	11-12.....(Page 13)	ENGL 110 – College Composition I	3
College Comp II DC.....	11-12.....(Page 13)	ENGL 120 – College Composition II	3
Pre-Calculus A DC.....	11-12.....(Page 15)	MATH 107 – Pre-Calculus	3
Calculus I DC	12.....(Page 16)	MATH 165 – Analytic Geometry & Calculus I	4
Fundamentals of Public Speaking DC	11-12.....(Page 13)	COMM 110 – Fundamentals of Public Speaking	3
Professional Writing w/Literature DC	11-12.....(Page 14)	ENGL 125 – Introduction to Professional Writing	3
Psychology DC.....	10-12.....(Page 20)	PSYC 111-Introduction to Psychology	3
Introduction to the Teaching Profession DC...	12.....(Page 21)	EDUC 251- Introduction to the Teaching Profession	2
Introductory Field Experience DC.....	12.....(Page 21)	EDUC 252- Introductory Field Experience	2
Spanish II DC.....	10-12.....(Page 14)	SPAN 102- 1 st Year Spanish II	3
Medical Terminology DC.....	10-12.....(Page 10)	BIOL 171- Medical Terminology	3
Spanish III DC.....	11-12.....(Page 14)		3
Anatomy & Physiology DC.....	11-12.....(Page 19)	BIOL 220-Anatomy & Physiology	4
Introduction to Literature DC.....	12.....(Page 14)	ENGL 220-Introduction to Literature	3
Mythology DC.....	12.....(Page 14)	ENGL 232-Mythology	3

Dual Credit Requirements from Valley City State University - GPA of 3.0 or higher is needed.

To take a VCSU Dual Credit English or Math class as a Senior (if you took regular English 11 as a Junior), you must have qualifying ACT scores. For Dual Credit English courses, you must have an ACT English composite score of 18 or greater, and for Dual Credit Math, you must have an ACT math composite score of 21 or greater. The ACT test is given to Juniors in March, with no cost. If you do not meet the ACT composite requirements, you must then take an Accuplacer test.

To take a VCSU Dual Credit English or Math class as a Junior, you must have qualifying Accuplacer scores of—256 or greater on the Accuplacer Next Gen Writing Test (English), and/or 237 or greater on the Accuplacer Next Gen Advanced Algebra Functions Test or 255 or higher on the Accuplacer Next Gen Statistics Test (Math). The Accuplacer tests are given in the spring and must be completed by the end of the preceding academic year before Dual Credit classes will be taken.

ART

Credits Required: None

Art I S1 & S2

Credit: One-half Grade: 9,10,11,12 Prerequisite: To take S2, S1 is recommended, but not required.

This is an introductory course developed to allow students to explore the artistic process while developing skills with a variety of media (art materials such as clay, fiber, painting, printmaking, and more) and process in an art studio setting. This course focuses on teaching methods for independent and creative thinking and allows artists the autonomy to develop their artistic voice utilizing the Studio Habits of Mind (SHOM).

Art II S1 & S2

Credit: One-half Grade: 10,11,12 Prerequisite: Art I. To take S2, S1 is recommended, but not required.

This is a continuation course building on skills developed in Art 1. This class is designed to further allow students to explore the artistic process while developing skills with a variety of media (art materials such as clay, fiber, painting, printmaking & more) and process in an art studio setting. This course focuses on teaching methods for independent and creative thinking and allows artists the autonomy to develop their artistic voice utilizing the Studio Habits of Mind (SHOM).

Advanced Art III S1 & S2

Credit: One-half Grade: 11,12 Prerequisite: Art II. To take S2, S1 is recommended, but not required.

This is an advanced course building on skills developed in Art 2. This class is designed to further allow students to explore the artistic process while developing skills with a variety of media (art materials such as clay, fiber, painting, printmaking and more) and process in an art studio setting. This course focuses on teaching methods for independent and creative thinking and allows artists the autonomy to develop their artistic voice utilizing the Studio Habits of Mind (SHOM). This course will cover advanced work to create areas of study (sustained investigations). Field trips and speakers are also planned to enhance learning.

Advanced Art IV S1 & S2

Credit: One-half Grade: 12 Prerequisite: Advanced Art III. To take S2, S1 is recommended, but not required.

This is an advanced course building on skills developed in Art 3, emphasized on teaching methods for independent and creative thinking. This course allows artists the autonomy to develop their artistic voice utilizing the Studio Habits of Mind (SHOM). You will plan areas of study and learn valuable life skills to prepare creative endeavors after graduation. You will need to have the experience and maturity to select mediums, plan projects, be self-directed, work on your portfolio development, and continue an in-depth study of the art history timeline and other cultures. Field trips and speakers are also planned to enhance learning.

Community Art

Credit: One-half Grade: 10, 11, 12 Prerequisite: None

Do you have a love for carpentry, interior design, theater and/or art? This is the class for you! This is not your typical art class. In this course you will work as a commissioned artist meeting with clients, pitching ideas, collaborations, creating murals, sets, installations and MORE! This class is designed to assist in learning valuable life skills a working artist may experience. Learning activities are varied with classroom and field experiences.

BUSINESS

Credits Required: One

NOTE: All of these business courses are CTE courses.

Word Processing / Spreadsheet – Required

Credit: One-half Grade: 9,10,11,12 Prerequisite: None

Computers have become a basic part of our daily life. By understanding how to use them and the software that runs them, you will develop skills to help you succeed in school and in your career. These courses cover the current operating system, computer hardware & software, using the Internet, word processing using the current version of *Microsoft Word*, spreadsheets using the current version of *Microsoft Excel*, presentations using the current version of *Microsoft PowerPoint*, and *Integrated Applications*. You will be accountable to abide by the VCPS District's **Acceptable Use Policy**.

Introduction to Computer Information Systems (CIS 170)

Credit: HS: One-Half/College:3 Grade: 10,11,12 Prerequisite: GPA of 3.0 or better

Dual credit option available through VCSU. See Page 22.

This course introduces word processing, spreadsheets, presentation software, and operating system software. Additional topics include history, ethics, uses of computers in society, and emerging applications for computers.

Financial Literacy – Required

Credit: One-half Grade: 9,10,11,12 Prerequisite: None

This course is designed to assist student learning of valuable life skills in the areas of money and credit management, saving and investing, and career and retirement planning. Students will explore successful personal finance strategies and habits.

Desktop Publishing S1

Credit: One-half Grade: 10,11,12 Prerequisite: None

This course is an introduction to desktop publishing using *Adobe Photoshop* and Adobe InDesign graphics software. *Photoshop* uses electronic techniques to select, manipulate, and edit images, work with layers, combine raster and vector graphics, print in color, and manage color. *InDesign* is used for document layout and design. With it you will learn how to use text, graphics, and photographs to create professional quality finished documents for practical and business use.

Desktop Publishing S2

Credit: One-half Grade: 10,11,12 Prerequisite: Desktop Publishing S1

In this course you will get an introduction to desktop publishing using *Adobe Illustrator* graphics software. *Illustrator* is used for document layout and design. With it you will learn how to use text, graphics, and photographs to create professional quality finished documents for practical and business use.

Multimedia I

Credit: One-half each semester Grade: 10,11,12 Prerequisite: None

This class provides students with the opportunity to learn what goes into making good-quality productions for transmission over the airwaves. Students will be given opportunities to deliver content to countless people in the community. There are many roles within the class, which include planning stories, working in front of a video camera or through a microphone, working behind the scenes during recording, editing video, and critiquing stories. Projects include putting together stories for Hi-Liner News.

Multimedia II

Credit: One-half each semester Grade: 11,12 Prerequisite: Multimedia I

This class provides students with the opportunity to broadcast current events to the public. Students will have the opportunity to organize and broadcast the daily announcements along with in school current events. Live broadcasting will also let you expand to the schools and community events, such as graduations, presentations, lectures, new student orientations, and sporting events. Projects include reporting the daily news (announcements and other information), reporting live school and community-based events along with radio broadcasting.

Accounting I

Credit: One-half Grade: 10,11,12 Prerequisite: None

This course will acquaint you with the principles of accounting and finance. You will learn the theory of debits, how to analyze and build multi-column journal entries, post to ledgers, and read, interpret, and prepare financial reports. This class presents a complete accounting cycle for a service business organized as a proprietorship.

Accounting II (ACCT 200)

Credit: HS: One-half/College: 3 Grade: 10,11,12 Dual credit option available through VCSU. See Page 22.
Prerequisite: Accounting I; for Dual Credit: 3.0 GPA required

This course presents a complete accounting cycle for a merchandising business organized as a corporation. It will be of great value to you in your personal life, especially if you are considering a career in accounting (CPA) or (MBA), office work, or managing your own small business. This course fulfills VCSU's requirements for ACCT 200 and carries the option of earning dual credit.

Accounting III

Credit: One-half Grade: 11,12 Prerequisite: Accounting II

In this course you will gain a detailed knowledge of accounting. You will learn more difficult transactions of income and spending and how to prepare financial statements and reports. Automated Accounting is used.

Accounting IV

Credit: One-half Grade: 11,12 Prerequisite: Accounting III

This course covers an in-depth knowledge of accounting. You will learn more difficult transactions of income and spending and how to prepare financial statements and reports. Automated Accounting is used.

Marketing I S1

Credit: One-half Grade: 10,11,12 Prerequisite: None

In this course you will explore the aspects of marketing: promotion, selling, merchandising, customer service, and business fundamentals. You will also learn skills and concepts related to the 4 P's of marketing. Student leadership development skills are integrated into this class. You can join the DECA organization and have the opportunity to compete at local, state, and international competitions.

Marketing I S2

Credit: One-half Grade: 10,11,12 Prerequisite: Marketing I S1

This course will continue to explore the many aspects of marketing. You will also work on independent marketing projects such as writing a complete business plan for a small business, launching an advertising campaign, or managing a project related to a national DECA competitive event. You can join the DECA organization and have the opportunity to compete at local, state, and international competitions.

Marketing II S1

Credit: One-half Grade: 11,12 Prerequisite: Marketing I S2

In this course you will advance your knowledge of marketing and managing a business. You will use your creativity to advertise and promote activities both in the classroom and in the school store. You can join the DECA organization and have the opportunity to compete at local, state, and international competitions.

Marketing II S2

Credit: One-half Grade: 11,12 Prerequisite: Marketing II S1

In this course you will advance your knowledge of marketing and managing a business. You will use your creativity to advertise and promote activities both in the classroom and in the school store. You can join the DECA organization and have the opportunity to compete at local, state, and international competitions.

CAREER and TECHNICAL EDUCATION

*Classes are held at the Sheyenne Valley Area Career Technology Center
Credits Required: None*

Automotive Technology I S1

Credit: One Grade: 11,12 Prerequisite: None

Upon successful completion of this course, you will be able to demonstrate skills in auto shop and personal safety, automotive steering and suspension, and automotive brake systems, in accordance with NATEF GST Program 2009 Standards.

Automotive Technology I S2

Credit: One Grade: 11,12 Prerequisite: Automotive Technology I S1

Upon successful completion of this course, you will be able to demonstrate skills in automotive engine performance and automotive engine repair, in accordance with NATEF GST Program 2009 Standards.

Automotive Technology II S1

Credit: One Grade 12 Prerequisite: Automotive Technology I S2

Upon successful completion of this course, you will be able to demonstrate skills in auto shop and personal safety, automotive electrical and electronics, and automotive heating and air-conditioning, in accordance with NATEF GST Program 2009 Standards.

Automotive Technology II S2

Credit: One Grade 12 Prerequisite: Automotive Technology II S1

Upon successful completion of this course, you will be able to demonstrate skills in automatic transmissions and transaxles, and manual transmissions and transaxles, in accordance with NATEF GST Program 2009 Standards.

Foundations of Automotive

Credit: One-half Grade: 9-12 Prerequisite: None

This course will prepare students to understand the features of a vehicle. Learn safety around the shop and vehicle. Explore careers in the auto industry. Learn proper care and use of hand tools and shop equipment for basic vehicle maintenance. Understand the care of a vehicle, cleaning, and maintenance. Learn to be an informed consumer of a vehicle regarding purchase and care.

Arts, A/V Technology & Communications

Credit: One Grade: 9,10,11,12

This course encompasses designing, producing, exhibiting, performing, writing, and publishing multimedia content, including visual and performing arts and design, journalism, and entertainment services.

Unmanned Aircraft Systems

Credit: One Grade: 10,11,12 Prerequisite: None

This course will teach students a basic understanding of recreational and commercial unmanned aircraft operations. They will identify the responsibility and authority of the remote PIC, discuss rules of UAS operation, and understand the significance of airspace classes B, C, D, E, and G as they pertain to UAS. Identify special-use airspace where UAS usage may be prohibited. Understand weather and how it affects the flight of UAS. Understand general loading and performance data and airport operations. When students complete this course, they will have a general understanding and knowledge of the operation and uses of UAS as they pertain to the world of Aviation.

Construction Careers I S1

Credit: One Grade: 11,12 Prerequisite: None

In this entry-level course you will initially complete the OSHA ten-hour class online. During your two-years in this program you will be involved in all facets of building a house.

Construction Careers I S2

Credit: One Grade: 11,12 Prerequisite: Construction Careers I S1

This course will be continued exposure and instruction in techniques used during building construction methods.

Construction Careers II S1

Credit: One Grade: 11,12 Prerequisite: Construction Careers I S2

During this second year of the two-year program, you will further your knowledge of methods and techniques in building construction and will learn skills in becoming a finish carpenter.

Construction Careers II S2

Credit: One Grade: 11,12 Prerequisite: Construction Careers II S1

Upon completion of this two-year course, you will have learned about electrical wiring, plumbing, framing, siding, insulating, venting, drywall, roofing, and soffit and trim for residential construction.

Architecture and Construction S1 & S2

Credit: One-half Grade: 9,10 Prerequisite: None

This class is designed to give students an introduction to the fields of architecture, architectural design, as well as construction fields and methods. Students will learn about and be exposed to a variety of field related occupations. During the second semester, students will design and construct a project, typically of their own choosing and with instructor approval. An emphasis is on cabinet style and design. The class will learn woodworking methods, joinery techniques, then finishing techniques.

Architecture and Construction S1 & S2

Credit: One-half Grade: 11,12 Prerequisite: None

This class is designed to give students an introduction to the fields of architecture, architectural design, as well as construction fields and methods. Students will learn about and be exposed to a variety of field related occupations. During the second semester, students will design and construct a project, typically of their own choosing and with instructor approval. An emphasis is on cabinet style and design. The class will learn woodworking methods, joinery techniques, then finishing techniques.

Graphic Communications I S1

Credit: One Grade: 11,12 Prerequisite: None

This course is an introduction to design, with emphasis on fundamentals, typography, and layout. You will create both traditional and computer-generated projects and learn the basics of black and white photography and darkroom safety. Using the Photoshop program, you will learn about workspace, documents, color, selections, layers, text, painting and erasing, and photo retouch.

Graphic Communications I S2

Credit: One

Grade: 11,12

Prerequisite: Graphic Communications I S1

In this course you will learn more about design, and work with formal elements, principles, manipulation of graphic space, components, typography, and layout/grids. With the CorelDRAW program, you will gain experience with documents, the toolbox, objects, fills, outlines and text.

Graphic Communications II S1

Credit: One

Grade: 12

Prerequisite: Graphic Communications I S2

This course is a continuation of Commercial Art I with additional emphasis on advertising, digital photography, and tabletop studio lighting. You will use Photoshop to learn pen tool techniques, vector shapes/clipping paths, and advanced layer techniques, and special effects.

Graphic Communications II S2

Credit: One

Grade: 12

Prerequisite: Graphic Communications II S1

In this course you learn about logos, symbols, stationary design, posters, book jackets/CD covers, packaging, visual identity, advertisements, and portfolios. You will also use the Illustrator and InDesign programs to study advanced areas of design. A digital camera is encouraged but not necessary.

Graphic Communications Career Cluster S2

Credit: One

Grade: 11,12

Prerequisite: Graphic Communications I or Intro to Graphic Comm/Web Design

The Career Cluster for Arts, Audio-Video Technology and Communications encompasses designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing arts and design, journalism and entertainment services. Career opportunities are available in the pathways of Audio and Video Technologies, Printing Technologies, Visual Arts, Performing Arts, Journalism and Broadcasting and Telecommunications Technologies.

Health Career I S1

Credit: One

Grade: 10,11,12

Prerequisite: None

In this course you will learn basic health care skills, applied academics, professional development, leadership, and organizational skills. Core skills involved are becoming aware of different Healthcare professions and facilities, medical terminology and abbreviations, basic anatomy, professional standards, safety, nursing skills, and basic CPR/First Aid training through American Heart Association. Job shadow opportunities available.

Health Career I S2

Credit: One

Grade: 10,11,12

Prerequisite: Health Science I S1

In this course you will continue to advance your health skills and build on the knowledge that's learned in Health Science I.

Health Career II S1

Credit: One

Grade: 11,12

Prerequisite: Health Science I S2

In this course you will advance further into some anatomy/physiology knowledge while learning about diseases and treatments, and medical terminology/abbreviations. In addition, will learn other aspects such as child development, nutrition, and mental illness. Core skills involved are nursing assistant skills, nursing skills, and CPR/First Aid training through American Heart Association. Job shadow opportunities will be available.

Health Career II S2

Credit: One

Grade: 11,12

Prerequisite: Health Science II S1

In this course you will continue to advance your health skills and build on the knowledge that's learned in Health Science II.

Medical Terminology S1 or S2 (BIOL 171)

Credit: One-half

Grade: 10,11,12

Dual credit course offered through VCSU. See Page 22.

Prerequisite: GPA of 3.0 or better

In this course you will learn medical language used in all medical fields. This includes learning prefixes, suffixes, and root words, their meanings, spelling, and pronunciations. Anatomy and Physiology of major organs, pathological conditions, lab studies, clinical procedures and abbreviations are studied for eight body systems.

Welding Technology I S1

Credit: One

Grade: 11,12

Prerequisite: None

In this class you will gain the knowledge and skills needed for entry-level jobs in welding. You will learn about shop safety, oxyacetylene fuel cutting and welding, and shielded metal arc welding.

Welding Technology I S2

Credit: One

Grade: 11,12

Prerequisite: Welding Technology I S1

During this semester you will learn more about shielded metal arc welding and gas metal arc welding (both solid wire and flux core wire). You will get an introduction to gas tungsten arc welding, blueprint reading for welders, and basic metallurgy. You will also be exposed to testing procedures used in becoming a certified welder. After you gain basic welding skills, you are encouraged to work on projects to help you sharpen your fabrication and welding skills.

Welding Technology II S1

Credit: One

Grade: 12

Prerequisite: Welding Technology I S2

In this course you will build on and refine skills learned in Welding Technology I, with more emphasis on gas metal arc welding and gas tungsten arc welding. In addition, you will assist Welding Technology I students and will be assigned supervisory duties relative to the operation of a welding shop.

Welding Technology II S2

Credit: One

Grade: 12

Prerequisite: Welding Technology II S1

During this semester you will advance your welding skills with the addition of more responsibility as foreman and on fabrication projects. You will continue to test your practice welds, with the purpose of preparing for certification testing on your own after graduation. If you complete this two-year program and complete the assigned tasks, you should have the proficiency to secure a welding job after graduation.

Cooperative Work Experience

Credit: Up to 2

Grade: 12

Prerequisite: Available to second semester seniors or any student who has two years of experience in a program track.

This course provides students with a regularly scheduled, supervised community-based employment opportunity related to specific community occupations in order to develop and improve work skills. The employment must be preceded or concurrent with classroom instruction related to the work experience, consistent with the student's occupational goals and pre-approved by administration one semester in advance of placement. Specific training plans shall be developed with the employer for each student placed. The training plan shall include provisions for assessment of student progress and shall include onsite visits by the supervisor or designee during the student's placement. (***Note: Student must be 16+, have a valid driver's license, receive permission of teacher and parent/guardian. An agreement must be made with the employer in advance. Cooperative Work Experience cannot be completed with a relative or family member.**)

Career Management

Credit: Up to 2

Grade: 9-12

Prerequisite: None

This course helps students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. This course exposes students to various work-based learning experiences (i.e., career fairs, industry tours, informational interviews, job shadows, career mentoring, and work simulations) and may also assist them in developing job search and employability skills.

FAMILY and CONSUMER SCIENCE

Credits Required: None

NOTE: All of these FACS courses are CTE courses.

Nutrition & Foods I (Can be ½ semester or full year)

Credit: One

Grade: 9,10,11,12

Prerequisite: None

This course will prepare students to make critical decisions about food that will contribute to their health and well-being of themselves, their families, and their communities. The course will include basic food selection and storage, accurate and appropriate measuring, basic cooking terms and techniques, and working safely in the kitchen. Students will learn how to read food labels and how to apply them to their eating habits and their dietary needs. Lab experiences will focus on preparing and tasting a variety of foods. This is a year-long or semester class offered every year.

General FACS (Family & Consumer Sciences) S1

Credit: One-half

Grade: 9, 10, 11, 12

Prerequisite: None

This course is an extension of concepts learned in junior high FACS classes. Topics covered will include sewing, nutrition and food preparation, leadership and teamwork, and life skills related to living on your own and career readiness.

Cultures & Cuisines S2

Credit: One-half Grade: 9,10,11,12 Prerequisite: One semester of Nutrition & Foods I

This course will explore cultures in various parts of the world in relation to ethnic foods, food supply, preparation methods, and traditions. Current, historical and futurist issues related to food patterns and the global society will be an integral component of the course which may include topics such as famine, contamination, religious rites and practices, celebrations, and cultural cuisine. Labs will combine the familiar with the exotic to create foods of the world. This course can be taken either semester; however, students must have one semester of Nutrition & Foods I prior to taking this course.

Child Development S1

Credit: One-half Grade: 9,10,11,12 Prerequisite: None

This course is designed to increase students' knowledge of how children grow and develop, and to foster acquisition of skills that promote healthy development of the individual. Ages covered will include conception to pre-teen. Students will learn about processes in individual development; how children learn; age-appropriate activities for children; family development and preparation for parenthood; prenatal development; related careers; and leadership development. Students will have the opportunity to gain hands-on experience with childcare and elementary students.

HEALTH

Credits Required: One

Health - Required

Credit: One-half Grade: 9,10,11,12 Prerequisite: None

You will also learn about responsible decision-making by creating a personal plan to include the following content areas:

- Abstinence, Puberty & Personal Health
 - Emotional & Mental Health
 - HIV, STD & Pregnancy Prevention
 - Nutrition & Physical Activity
 - Tobacco, Alcohol & Other Drug Prevention
 - Violence & Injury Prevention
-

Family Living - Required

Credit: One-half Grade: 10,11,12 Prerequisite: None

Family Living is a one semester comprehensive course designed to help students interpret the nature, function, and significance of the family. Students will also incorporate Sociology, Psychology, Health, and Consumer Economics to help explore all aspects of life. Students will become acquainted with the factors affecting personality, identify the functions of relationships in family, friends, marriage, and learn decision making skills. It also covers health, lifestyle options, communication techniques, career information, identify parenting responsibilities, family crises and coping strategies. This class gives practical information to help deal with "real-life" situations and how consequences affect how you are and how your choices could affect your future.

LANGUAGE ARTS

Credits Required: Four

Note: To enroll in the next grade level of required English courses, you must have passed at least one semester at the previous grade level. A failed semester must be made up before advancing to the next grade level, or it must be taken concurrently with the next grade level class.

English 9 S1 – Required

Credit: One-half Grade: 9 Prerequisite: None

You will learn about the basic types of literature, skills in speaking, writing, and listening. A Shakespeare unit is a major part of this semester, and independent reading is a component of this course.

English 9 S2 – Required

Credit: One-half Grade: 9 Prerequisite: English 9 S1

In this course you will continue to learn about the basic types of literature, skills in speaking, writing, and listening. A major research project is a requirement to pass this semester, and independent reading is also a component of this course.

English 10 S1 – Required

Credit: One-half Grade: 10 Prerequisite: English 9 S2

You will learn speaking, reading, writing, and listening skills. This semester includes an intense study of grammar and a major unit on research skills, resulting in a significant research report. This research project is a requirement to pass English 10 A. Independent reading is an ongoing component of this course.

English 10 S2 - Required

Credit: One-half Grade: 10 Prerequisite: English 10 S1

In this course you will learn additional speaking, reading, writing, and listening skills. This semester focuses on major units in literature and includes a significant memorization assignment. Independent reading is an ongoing component of this course.

English 11 S1 – Required

Credit: One-half Grade: 11 Prerequisite: English 10 S2

You will continue to practice speaking, listening, writing and reading skills, with an emphasis on public speaking and a chronological study of American Literature. Notable selections include American literature through the 1850s. Included is a major research project. The research project is a requirement to pass English 11 A. Independent reading is an ongoing component of this course.

English 11 S2 – Required

Credit: One-half Grade: 11 Prerequisite: English 11 S1

In this course you will continue to practice speaking, listening, writing, and reading skills with an emphasis on effective communication and a chronological study of American literature. Notable selections include *The Adventures of Huckleberry Finn*, *Finding Laura Buggs*, and post-1850s literature. Independent reading is an ongoing component of this course.

English 12 S1 - Required

Credit: One-half Grade: 12 Prerequisite: English 11 S2, or English Language 11 College Comp

You will gain experiences in oral and written composition, listening and speaking skills, focusing on English and/or World Literature. Independent Reading is a component of this course.

English 12 S2 - Required

Credit: One-half Grade: 12 Prerequisite: English 12 S1

You will continue the study of oral and written communication and listening and speaking skills, focusing on English and/or World Literature. Independent Reading is a component of this course. A major term paper is a requirement to pass this course.

College Comp I DC (ENGL 110)

Credit: HS: One-half/ College: 3 Grade 11,12

Dual credit course offered through VCSU. See Page 22.

Prerequisite: English 10 B with grade of "B" or better, 3.0 GPA, and Accuplacer Next Gen Writing test score of 256 or greater.

This course aligns with VCSU's requirements for ENGL 110 and carries the option of earning college credit. You will be introduced to college-level reading, writing, rhetoric, and critical thinking skills. You will draw on your own experiences and observations as you write in a variety of expository organizational patterns. *****Note: this course can only be taken for Dual Credit. Student must pass Accuplacer test by the end of May 2024 to be accepted into this Dual Credit course for the 2024-25 school year.*****

College Comp II DC (ENGL 120)

Credit: HS: One-half/ College: 3 Grade: 11,12

Dual credit course offered through VCSU. See Page 22

Prerequisite: College Comp I DC, OR a score of 23 or greater on the ACT test

This course aligns with VCSU's requirements for ENGL 120 and carries the option of earning college credit. You will continue to build on the writing and analysis skills learned in College Comp I, with emphasis on research writing and documentation. *****Note: this course can only be taken for Dual Credit.*****

Creative Writing I S1

Credit: One-half Grade: 10,11,12 Prerequisite: None

In this course you will write creatively. You will write poetry, short stories, narratives, one-act plays, research to collect information, meet deadlines, and master journalistic/creative writing skills. In addition, students will also advance speaking/listening skills and share writing with others.

Fundamentals of Public Speaking DC (COMM 110) Dual credit offered through VCSU. See Page 22.

Credit: HS: One-half/College: 3 Grade 11,12 Prerequisite: 3.0 GPA

This course aligns with VCSU's requirements for COMM 110 Fundamentals of Public Speaking and carries the option of earning college credit. In this basic speech course, you will prepare and deliver speeches for a variety of occasions and audiences. Emphasis is placed on extemporaneous speaking, effective listening, and critical evaluation. *****Note: this course can only be taken for Dual Credit.*****

Professional Writing w/Literature DC (ENGL 125) Dual credit offered through VCSU. See Page 22.
Credit: HS: One-half/College: 3 Grade: 11,12 College Comp I DC, OR a score of 23 or greater on the ACT test

This course aligns with VCSU's requirements for ENGL 125 and carries the option of earning college credit. You will practice the writing skills needed in business and technology fields, including technical organizational patterns, document design, readability of text, research methods, and research reporting. *****Note: this course can only be taken for Dual Credit. ENGL 125 may be counted as a second composition course or as an upper-level writing course at ND public institutions. It may count as an elective credit at out-of-state institutions. Check with your desired institution to see how the credits will transfer.*****

Introduction to Literature DC (ENG 220) Dual credit offered through VCSU. See Page 22.
Credit: HS: One-half/College: 3 Grade: 12 Prerequisite: 3.0 GPA, Eng 9,10,11

This course is designed for college-bound students with an above average command of literature, language, and grammar skills. The course includes both reading and analysis of prose and the study of the process of writing. Students will study examples from a variety of literary genre from various authors and periods. These examples will serve as models of effective styles and the students will write a variety of writing assignments calling for the use of different styles or tones. Through the study and practice, students gain the understanding of principles of effective writing and structures of writing. Students are expected to organize and write a variety of literary styles and analyses. Students are expected to take an active role in the classroom and contribute to the class. *****Note: this course can only be taken for Dual Credit.*****

Mythology DC (ENGL 232) Dual credit course offered through VCSU. See Page 22.
Credit: HS: One-half/College: 3 Grade: 12 Prerequisite: English 11 with grade of "B" or better, 3.0 GPA

This course is designed for college-bound students with an above-average command of literature, language, and grammar skills. The course includes both reading and analysis of myths, legends, and folklore. Students will study examples from a variety of works across varying time periods and cultures. Students will gain the understanding how myths, legends, and folklore illustrate a culture's beliefs as well as understand differences and similarities that encompass the human condition. Students are expected to take an active role in the classroom and contribute to the class. *****Note: this course can only be taken for Dual Credit.*****

Spanish I S1
Credit: One-half Grade: 9,10,11,12 Prerequisite: None

This course is designed for you who are beginning the study of Spanish. You will learn the four skills of communication - listening, speaking, reading, and writing. Skills will be developed through conversation, reading, and writing activities. In addition, various aspects of the Hispanic culture will be introduced.

Spanish I S2
Credit: One-half Grade: 9,10,11,12 Prerequisite: Spanish 1 S1

In this course you will continue the study of Spanish I. You will practice more of the four skills of communication – listening, speaking, reading and writing. Additional skills will be developed through conversation, reading, and writing activities. Further aspects of the Hispanic culture will be explored.

Spanish II S1
Credit: HS: One-half Grade: 10,11,12 Prerequisite: Spanish I S2

This course reinforces the fundamental skills you acquired in Spanish I. The study of Hispanic culture will be continued.

Spanish II S2 (SPAN 102) Dual credit offered through VCSU. See Page 22.
Credit: HS: One-half/College: 3 Grade: 10,11,12 Prerequisite: Spanish II S1 & GPA of 3.0 or better

In this course you will develop more advanced listening, speaking, reading, writing, and translating skills. The study of Hispanic culture will be continued.

Spanish III Dual credit offered through VCSU. See Page 22.
Credit: HS: One-half/College: 3 Grade 11,12 Prerequisite: Spanish II & GPA of 3.0 or better

Applied Communication I S1
Credit: One-half Grade: 11,12 Prerequisite: Teacher recommendation and administrative approval

This course is designed to emphasize the practical applications of English/Language Arts in the workplace and adult life. Skills that are the focus include workplace writing, effective communications skills on various media, and job-related activities involving reading, writing, listening, and speaking. Personal writing in the adult world, being a good citizen through jury service, researching sources in media and contributing to the community in a helpful way are also included in the curriculum modules. **(NOTE: This course meets VCHS graduation requirements but is not recommended as a course of study for students planning to attend a four-year university.)**

Applied Communication S2

Credit: One Half

Grade: 11,12

Prerequisite: Semester 1, Teacher recommendation, and administrative approval

This second semester course continues to focus on the practical application of English/Language Arts in the workplace and adult life. Skills that are in focus include workplace simulation scenarios, written responses and communication in a variety of settings, vocabulary enhancement and word choice review, and other job and adult related skills involving reading, writing, listening and speaking. Some reading strategies, searching for authentic information and logical thinking strategies are also included in the curriculum modules. **(NOTE: This course meets VCHS graduation requirements but is not recommended as a course of study for students planning to attend a four-year university.)**

MATH*Credits Required: Three*

NOTE: One credit of Math above Advanced Algebra must be taken in order for a student to be eligible for the North Dakota Academic Scholarship.

Algebra S1 - Required

Credit: One-half

Grade: 9,10

Prerequisite: Math 8

In this course you will explore and study one- and two-variable statistics, linear equations, inequalities, and systems.

Algebra S2 - Required

Credit: One-half

Grade: 9,10

Prerequisite: Algebra S1

During this semester, you will explore and study functions, exponential relationships, and quadratic relationships.

Geometry S1 – Required

Credit: One-half

Grade: 9,10,11

Prerequisite: Algebra S2

Topics covered in this semester are foundations of geometry, geometric reasoning, parallel and perpendicular lines, triangles, polygons and quadrilaterals. This course is recommended if you plan to attend a 4-year post-secondary school.

Geometry S2 – Required

Credit: One-half

Grade: 9,10,11

Prerequisite: Geometry S1

In this semester you will learn about similarity, right triangles and trigonometry, transformational geometry, perimeter, circumference, area, spatial reasoning, circles, and probability. This course is recommended if you plan to attend a 4-year post-secondary school.

Advanced Algebra S1

Credit: One-half

Grade: 10,11,12

Prerequisite: Geometry

In this course you will explore the foundations of functions, as well as quadratic, polynomial, exponential, logarithmic, and rational functions.

Advanced Algebra S2

Credit: One-half

Grade: 10,11,12

Prerequisite: Advanced Algebra S1

You will study a continuation of topics covered in Advanced Algebra A that include radical functions, attributes of functions, probability, data analysis, statistics, sequences, series, and trigonometric functions and their graphs.

Consumer Math S1

Credit: One-half

Grade: 11,12

Prerequisite: Algebra, and recommendation from Math Instructor

In this course you will learn to use basic math operations working with budgets, paychecks, and banking and saving.

Consumer Math S2

Credit: One-half

Grade: 11,12

Prerequisite: Consumer Math S1

During this semester you will use basic math operations working with credit cards, housing options, basic needs, owning vehicles, and recreation.

Pre-Calculus S1 (MATH 107)

Credit: HS: One-half/College: 3

Grade: 11,12

Dual credit option available through VCSU. See Page 22.

Prerequisite: Advanced Algebra with grade of "C" or better, 3.0 GPA

This course is a continuation and extension of topics covered in Advanced Algebra, including relations, functions, equations, inequalities, polynomials, rational functions, exponentials, logarithms, trigonometric and inverse trigonometric functions, trigonometric identities,

equations and applications. It is recommended if you plan to enter a college course of study involving math or science, particularly engineering. This course carries the option of earning dual credit from VCSU (MATH 107), and also aligns with many university general math requirements (please check with your college of choice). ***Note: Student must pass Accuplacer test by the end of May 2024 to be accepted into this Dual Credit course for the 2024-25 school year.***

Pre-Calculus S2

Credit: One-half

Grade: 11,12

Prerequisite: Pre-Calculus S1

In this semester you will study a continuation and extensions of topics covered in Pre-Calculus S1, including systems of equations, analytic geometry, discrete mathematics, and an introduction to calculus. This course is recommended if you plan to enter a college course of study involving math or science, particularly engineering. To enroll in this course, you must also take Pre-Calculus S1.

Calculus I & II (MATH 165)

Credit: HS: 1/College: 4

Grade: 12

Dual credit option available through VCSU. See Page 22.

Prerequisite: Pre-Calculus

In this course you will study limits, continuity, functions, derivatives, integrals, the Mean Value Theorem, the Fundamental Theorem of Calculus, and applications. This class is recommended if you plan to enter a college course of study involving math or science, particularly engineering. This course also aligns with VCSU's requirements for *Math 165* and carries the option of earning dual credit.

MUSIC*Credits Required: None*

Senior Band S1

Credit: One-half

Grade: 9, 10, 11,12

Prerequisite:

This performance-driven course is an introduction to new pep band and concert band music and a review of marching band concepts. You will perform in homecoming parades, VCHS and VCSU football half-time shows, Christmas concert, various pep band engagements and community events. You will also study music theory, music history and social values needed to succeed in an instrumental ensemble. Two individual lessons are required to monitor your technique, tone, breathing, ranges, and attitudes. Skills will also be offered to help you audition for honor bands and solo contests. An optional audition for VCHS Jazz Band will also be held early in this semester. Performances may include the VCSU homecoming parade, NDSU homecoming parade, etc.

Senior Band S2

Credit: One-half

Grade: 9, 10, 11,12

Prerequisite:

In this semester course you will perform at various pep band engagements, honor bands, the mid-year "heavy" concert, the spring "Jazzin" concert, and Memorial Day parade. You will also have an opportunity to participate in a large group contest and travel to a major concert band competition held every other year. You will continue to study music theory and music history material. New band music will be presented as well as "standards" of the concert band world. You will develop an appreciation for music of many different styles and ethnic backgrounds. One individual lesson is also required to monitor your technique, tone, breathing, ranges, and attitudes. Recent years have included the Heritage Festival in New York City. Other performances may include the Shrine Circus, UND Band Day, etc.

Senior Choir S1Credit: One-half
recommended

Grade: 9, 10, 11,12

Prerequisite: None - Reading solfege, music notation & symbols is

In this course you will broaden your vocal skills by learning about music from different cultures and regions and more advanced music theory. You will develop additional performance skills by singing alone and with ensemble groups. Two voice lessons are required to work on breathing, resonance, tension, and diction, and you are expected to perform in the holiday and *Café* concerts.

Senior Choir S2Credit: One-half
recommended

Grade: 9, 10, 11,12

Prerequisite: None - Reading solfege, music notation & symbols is

You will continue work on your vocal skills in this course and will have opportunities for solos and ensemble experiences at the regional and state competitions. Two voice lessons are required, and you are expected to perform in the *Café* and May concerts.

Guitar S1

Credit: One-half

Grade: 9,10,11,12

Prerequisite: None

This course is limited to twenty (20) students, with preference given first to Seniors, then Juniors, then Sophomores. In this course you will receive beginning instruction on the guitar. You will learn 1st position notes, open chords in several chord progressions, basic bass accompaniment, and a variety of playing techniques that include music notation, music fundamentals, beginning theory, and songs. You will be evaluated regularly on your playing proficiency and with written exams. You must provide your own guitar, a tuner, and extra set of strings for this class.

Guitar S2 (Can be ½ semester or full year)

Credit: One-half

Grade: 9,10,11,12

Prerequisite: None

This course is limited to twenty (20) students, with preference given first to Seniors, then Juniors, then Sophomores. You must be proficient on 1st position notes, be able to play all open chords in several chord progressions, and be able to recognize them on paper, with fundamental knowledge of treble clef notes. This course includes notation on playing major scales, barre chords, more finger picking and tablature. You will be evaluated regularly on your playing proficiency and with written exams. You must provide your own guitar, a tuner, and extra set of strings for this class also.

PHYSICAL EDUCATION*Credits Required: One*

Physical Education 1 - Required

Credit: One-half

Grade: 9-12

Prerequisite: None

You will participate in activities designed to promote physical fitness, such as aerobic and strengthening exercises, as well as knowledge of and participation in lifetime sport activities such as softball, basketball, volleyball, badminton, etc.

Physical Education 2 – Required

Credit: One-half

Grade: 10-12

Prerequisite: None

You will participate in activities designed to promote physical fitness, such as aerobic and strengthening exercises, as well as knowledge of and participation in lifetime sport activities such as softball, basketball, volleyball, badminton, etc.

Fitness/Conditioning Activities

Credit: One-half

Grade: 9, 10,11,12

Prerequisite: None

This course emphasizes conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. Students will be given the opportunity for regular, supervised workouts while learning power techniques and safety. The course will also serve to develop knowledge, experience, and skills in a variety of sports or activities.

Concepts of Fitness and Wellness DC S1 & S2

Credit: HS: One-half/College: 2

Grade: 10,11,12

This course is only offered for Dual Credit through VCSU. See page 22.

Prerequisite: any 1/2 credit of Physical Education; GPA of 3.0 or better

This course is designed to teach the facts about exercise and physical fitness. This general education course combines lecture about the theory of exercise and health issues with laboratory, activity, and technology experiences to introduce the student to concepts of holistic living.

Intro to Coaching S1 (online)

Credit: One-half

Grade: 10, 11, 12

Prerequisite: None

Introduction to Coaching focuses on the various responsibilities of a coach and the skills needed to fill this important position successfully. Throughout the course, students will explore various coaching models and leadership styles, sports nutrition, sports psychology, and safety in conditioning and cross-training. Students will learn effective communication, problem-solving, and decision-making skills. This course will also introduce students to game strategy, tactical strategy, skills-based training, and coaching ethics.

This course is a hybrid with the expectation that all students will engage using in-person, online, and flexible scheduling. Students meet in person each week on designated days, with scheduled hours outside the school day. Students will choose individually from a variety of options how to participate externally.

Sports Officiating S2 (online)

Credit: One-half

Grade: 10, 11, 12

Prerequisite: None

In Sports Officiating, students will learn the rules, gameplay, and guidelines for various sports, including baseball, softball, basketball, volleyball, football, tennis, and track & field. In addition, they will learn the officiating calls and hand signals for each sport and the role a sports official plays in maintaining fair play.

This course is a hybrid with the expectation that all students will engage using in-person, online, and flexible scheduling. Students meet in person each week on designated days, with scheduled hours outside the school day. Students will choose individually from a variety of options how to participate externally.

Adaptive PE

Credit: One-half

Grade: 9,10,11,12

Prerequisite: IEP placement

This course teaches physical development activities for handicapped students, based upon individual needs and abilities.

SCIENCE

Credits Required: Three

Physical Science S1 - Required

Credit: One-half Grade: 9 Prerequisite: None

You will learn elementary fundamentals of chemistry by using labs and classroom techniques. You will learn about atoms, elements, how to write chemical formulas, types of reactions, and how to balance them.

Physical Science S2 - Required

Credit: One-half Grade: 9 Prerequisite: None

You will develop a basic understanding of physics, which will include the study of electricity, measurements, forces, motion, waves, sound and light.

Biology S1 – Required

Credit: One-half Grade: 10 Prerequisite: Physical Science S2

In this General Biology course, you will develop a fundamental understanding of life processes, cell biology, photosynthesis, respiration, genetics, and evolution.

Biology S2 – Required

Credit: One-half Grade: 10 Prerequisite: Biology S1

This course will focus on Zoology. You will develop an in depth understanding of the kingdom Animalia, both invertebrates and vertebrates, while often briefly exploring Plantae, Fungi, Protista, Archaeobacteria, and Eubacteria as well as Viruses.

STEM Seminar I

Credit: One-half Grade: 11,12 Prerequisite: None

STEM Seminar is a project-based course in which students use Science, Technology, Engineering and Math to solve real world problems. STEM focuses on the basics of the Engineering Design Process engaging students in hands on interdisciplinary application. Students will learn through following their passion and working through individual projects of their design. This class focuses on career ready and military ready skills.

STEM Seminar II

Credit: One-half Grade: 11,12 Prerequisite: None

STEM Seminar II is a continuation of STEM Seminar I. Students will continue to use Science, Technology, Engineering and Math to solve real world problems. A Student may take STEM Seminar II without STEM Seminar I.

Chemistry S1

Credit: One-half Grades: 11,12 Prerequisites: Biology, Algebra I, and Geometry
*Recommendation: Take in conjunction with or after Advanced Algebra

In this course you will focus on atomic theory, the periodic table, stoichiometry, and chemical reactions. This course enhances problem solving, critical thinking, and abstract thinking.

Chemistry S2 (CHEM 115)

Credit: HS: One-half/College: 4 Grades: 11,12 **Dual Credit option available through VCSU. See Page 22.**
Prerequisite: Chemistry S1. For Dual Credit: Must have GPA of 3.0 or better & an A or B in Chemistry S1.

This semester will focus on physical chemistry, gases, solutions, energy, acid-base chemistry, equilibrium, and redox. It enhances problem solving, critical thinking, and abstract thinking.

Physics S1

Credit: One-half Grades: 11,12 Prerequisite: Advanced Algebra and Chemistry S2, or department approval.

Newtonian physics to include motion (1D and 2D), Newton's Laws, force, work, energy, gravity, momentum, rotational motion, and equilibrium. Physics is recommended if you plan to begin a college course of study involving science, math, medical or engineering, or if you want to improve your problem solving and critical thinking skills.

Physics S2

Credit: One-half

Grades: 11,12 Prerequisite: Advanced Algebra and Chemistry, or department approval.

In this course you will study the interrelations and interdependence of the physical world around you. Topics will include fluid mechanics, thermodynamics, vibrations and waves, light and sound, magnetism, and electricity, and subatomic particle physics. This course is standalone and does not require Physics S1.

Forensic Science

Credit: One-Half

Grades: 11,12 Prerequisites: Physical science and Biology, or Department Approval

Students will learn the methodology needed to evaluate a crime scene, the proper lab mechanics needed to evaluate evidence, and how to compare a known and unknown. Topics include the history of forensic science, collecting of evidence, analyzing results and hands-on application of many laboratory techniques used in solving crimes. Emphasis is placed on the application of the scientific method to life-long skills and problem solving.

Practical Chemistry

Credit: One-half

Grades: 10,11,12 Prerequisite: Physical Science S1

Basic survey of chemistry as related to environment, health and nutrition, and applications that impact everyday life. This course focusses on real world chemistry from ice melt to hair dye. Lab techniques and procedures will be incorporated.

Wildlife Ecology - S1

Credit: One-half

Grades: 11,12 Prerequisites: Biology S2

Interested in the outdoors and the wildlife that live around us? In this course we'll explore wildlife, how they interact within ecosystems, and how they live and survive in North Dakota and surrounding areas. Opportunities to be outside and conduct individual research will be included!

Anatomy & Physiology DC- S2 (BIOL 220)

Credit: One-half HS; 4 College

Grades: 11,12

Dual Credit course offered through VCSU. See page 22.

Prerequisite: Physical Science S1 & S2, Biology S1 & S2 & GPA 3.0 or better

Learn how the human body works! This class will include the study of structures and functions of the human body. The coursework will be online. Lab work, including physiological exercises, dissections, and computer simulations, will occur in the classroom on a schedule determined at the start of the course.

SOCIAL STUDIES*Credits Required: Three*

North Dakota Studies S1 Grade: 9,10,11,12

Prerequisite: None

Credit: One-half

You will examine many factors that have affected the history, culture, government and development of North Dakota. This course will investigate the geography of North Dakota including human and physical features. You will study early people of North Dakota with special emphasis on Native Americans. You will also learn the importance of agriculture, other industries, and current issues affecting North Dakota.

World History S1 - Required

Credit: One-half

Grade: 10

Prerequisite: None

This course study begins at 3500 B.C. with the Prehistory of the Neolithic Revolution and dawn of civilization. Major topics will include Ancient Egypt, Mesopotamia, Ancient Greece, and the Rise of Alexander the Great. You will study Rome from its rise to fall, its influence on the modern world today, and the creation of the Byzantine Empire. The final eras studied are the Middle Ages and Renaissance and Reformation. You will get an in-depth look at crusades, rise of feudalism, Black Plague, and the impact of the renaissance on Western Europe.

World History S2 - Required

Credit: One-half

Grade: 10

Prerequisite: World History S1

In this semester you will study the Age of Exploration and the effects of explorers and visionaries in history. You will learn about revolutions, their results, and how they changed people's way of life. You will get an in-depth look at the world economies before WWI, then focus on WWI and effects on the U.S., the world, and the subsequent rise of nations and political leaders. You will study WWII, the principal of alliances, the creation of the United Nations, and you will get a thorough look at the rise of Nazi Germany, imperialistic Japan, the Holocaust, and the aftermath of WWII. The end of the course will cover the challenges of the world today and hopes for the future.

United States History S1 – Required

Credit: One-half Grade: 11 Prerequisite: None

In this course you will conduct an in-depth study of events and people in the United States beginning with a brief study of the Constitution and citizenship. This course will then advance to the Civil War and progress forward through the Great Depression.

United States History 11 DC S1 (HIST 103)Credit: HS: One-half/College: 3 Grade: 11,12 **Dual credit course offered through VCSU. See Page 22.**

Prerequisite: GPA of 3.0 or better

This course is a survey of United States History from Reconstruction through the Cold War. Attention is given to social, economic, and political history, as well as the role of minorities and women in the development of modern American society. Topics addressed include segregation, immigration, major political movements, U.S. foreign policy, and civil rights.

United States History S2 – Required

Credit: One-half Grade: 11 Prerequisite: United States History S1

This semester course will be an in-depth study of events and people in the United States beginning with World War II and advancing through modern history.

United States History 11 DC S2 (HIST 104)Credit: HS: One-half/College: 3 Grade 11,12 **Dual credit course offered through VCSU. See Page 22.**

Prerequisite: United States History 11 S1

This course will survey American History from the post-Civil War Reconstruction through the Reagan Administration. You will learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance. Solid reading and writing skills are necessary to succeed, along with a willingness to devote considerable time to homework and study. Emphasis is on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography.

Sociology S2

Credit: One-half Grade: 9,10,11,12 Prerequisite: None

This class will discuss global citizenship and what a positive global citizen looks like. Topics will include self-esteem, diversity, civic responsibilities, and communication strategies. Students will learn through hands-on activities, classroom discussion, current news and social events, and roll plays.

General Psychology

Credit: One-half Grade: 9,10,11,12 Prerequisite: None

This course introduces students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

Psychology-Online Only S2 (PSYC 111)Credit: HS: One-half/College: 3 Grade: 10,11,12 **Dual credit course offered through VCSU. See Page 22.**

Prerequisite: GPA of 3.0 or better

This course is a survey of the scientific study of behavior and mental processes. It is designed to introduce a variety of psychological topics including: the brain, sensation and perception, memory, learning, cognition, personality, social psychology, psychological disorders, and therapies.

Economics – Required

Credit: One-half Grade: 12 Prerequisite: World History and United States History

You will study the use of limited resources, and the effort to balance the relationship between wants and limited resources. This course also includes a study of money, banking, government spending and taxation, inflation, business cycles, and the stock market.

American Government – Required

Credit: One-half Grade: 12 Prerequisite: World History and United States History

You will study the history of government as well as present day government. You will take a piece by piece look at the United States Constitution while also studying other documents, the voting process, political parties, and civil rights.

TECHNOLOGY & ENGINEERING EDUCATION

*Credits Required: None****NOTE: All of the Technology & Engineering Education courses are CTE courses.***

Invention and Innovation (can be semester or full year)

Credit: One-half per semester

Grade: 9,10,11,12

Prerequisite: None

You will be in the shop learning how to use different high-tech equipment, incorporating the engineering design process, and learning safety procedures.

ADA Robotics

Credit: One-half per semester

Grade: 9,10,11,12

Prerequisite: None

Students will use the V5 Vex Robotics kits to design robots that they control with joysticks. They will learn to write programming code and apply engineering principles to gear ratios, electrical loads, leverage, and motion.

Banner and Canvas Design (Can be 1st semester or full year-can't join second semester for first time)

Credit: One-half per semester

Grade: 9,10,11,12

Prerequisite: None

Students will learn how to design and create banners, canvases, vinyl decals, t-shirts, and plasma cut signs (Jimmy Don signs). Emphasis will be on the process of producing these items, but general entrepreneurial business aspects of marketing, finance, customer service, and production control will also be introduced.

Banner and Canvas Design II (Can be 1st semester or full year-can't join second semester for first time)

Credit: One-half per semester

Grade: 10,11,12

Prerequisite: Banner and Canvas Design

Students will get a deeper understanding of design, in depth use of CoreIDRAW along with business aspects of marketing, finance, customer service, and production control.

EDUCATION*Credits Required: None*

Introduction to the Teaching Profession S1 (EDUC 251)

Credit: HS: One-half/College: 2

Grade: 12

Dual credit course offered through VCSU. See Page 22.

Prerequisite: None

This course is for students interested in the teaching profession at any grade K-12. Students will gain experience in teaching through peer teaching activities, and will learn the process of planning, implementing, evaluating, and reflecting on lessons taught. This course aligns with VCSU's requirements for EDUC 251.

Introductory Field Experience S2 (EDUC 252)

Credit: HS: One-half/College: 2

Grade: 12

Dual credit course offered through VCSU. See Page 22.

Prerequisite: Introduction to the Teaching Profession

This course gives students an opportunity to apply the teaching skills learned from Introduction of the Teaching Profession. Students will complete 40 hours of field experience during flexible scheduled times at an elementary or secondary school classroom in Valley City. Students will also meet as a class regularly to discuss and reflect on field experiences. This course aligns with VCSU's requirements for EDUC 252.

Peer to Peer

Credit: One-half per semester

Grades: 9,10,11,12

Prerequisite: None

Students who have an interest in working with younger students or students with disabilities and/or are interested in improving their leadership skills should consider this course. The students will work in a collaborative fashion in a classroom/school setting throughout their school day with a teacher to assist and support students in multiple settings. This course will utilize a student's flexible schedule. There may be short face-to-face training and expectations instructional sessions and online instruction that must be completed prior to being assigned an individual student. Students who are accelerated in their skill sets could have the option of becoming a certified Paraprofessional and could be advanced to a paid position within VCPS.

