Course Offerings for Academic Year 2019-2020
HOV-ITV Consortium
April 26, 2019 (revised July 10, 2019)

Period 0 - 7:25 AM - 8:23 AM

(DC) College Composition I (Fall 19) - Staff (M/W/F)
Sending Site: Mayville State University

Hatton (6), Drayton (1), MPCG (20), Hillsboro (1)

(DC) College Composition II (Spring 20) - Staff (M/W/F)
Sending Site: Mayville State University
Hatton (4), Drayton (1), MPCG (20), Hillsboro (1)

(DC) College Composition I (Fall 19)-Staff (T/TH) 7:15-8:30 a.m.
 Sending Site: Mayville State University
 Larimore (4), Lisbon (14)

(DC) College Composition II (Spring 20)-Staff (T/TH) 7:15-8:30 a.m.
Sending Site: Mayville State University
Larimore (4), Lisbon (14)

Period 1 - 8:45 AM - 9:35 AM

(DC) College Composition I (Fall 19) – Staff (M/W/F): 8:30 AM - 9:20 AM
Sending Site: Mayville State University
Central Valley (8), Finley-Sharon (5), Fordville-Lankin (1), Maple Valley (1), Minto (7)

(DC) College Composition II (Spring 20) – Staff (M/W/F): 8:30 AM - 9:20 AM
Sending Site: Mayville State University
Central Valley (8), Finley-Sharon (5), Fordville-Lankin (1), Maple Valley (1), Minto (7)

Mobile Application Development (Fall 19) – Steve Thompson
Sending Site: Sheyenne Valley Area Career and Tech Center
Larimore (2)

Cyber Operations (Spring 20) – Steve Thompson
Sending Site: Sheyenne Valley Area Career and Tech Center
Larimore (2)

Period 2 - 9:39 AM - 10:29 AM

Computer Hardware and Operating Systems (Fall 19/Spring 20)-Steve Thompson
Sending Site: Sheyenne Valley Area Career and Tech Center
Fordville-Lankin (1), Larimore (1)

(DC) U.S. History to 1877 (Fall 19)-Travis Cormier: 9:23 AM to 10:13 AM
Sending Site: Hatton
Dual credit with Mayville State University
Hatton (3), Hope-Page (2)

(DC) U.S. History Since 1877 (Spring 20)-Travis Cormier: 9:23 AM to 10:13 AM
Sending Site: Hatton
Dual credit with Mayville State University
Hatton (3)

Period 3 - 10:33 AM - 11:23 AM

Graphic Communications I (Fall 19/Spring 20) - Eric Holland
Sending Site: Sheyenne Valley Area Career and Tech Center

Health Science (Fall 19/Spring 20) - Kristen Lindgren
Sending Site: Sheyenne Valley Area Career and Tech Center
Central Valley (2), Fordville-Lankin (2), Larimore (2), Thompson (4)

(DC) Introduction to Networking (Fall 19/Spring 20) – Steve Thompson
Sending Site: Sheyenne Valley Area Career and Tech Center
For 1st Year
Dual credit with Valley City State University-optional

Routing and Switching Essentials (Fall 19/Spring 20)-Steve Thompson
For 2nd Year
Sending Site: Sheyenne Valley Area Career and Tech Center

Period 4 - 11:27 AM - 12:43 PM

Art I (Fall 19) - Christina Connick: 11:27 AM - 12:20 PM
Sending Site: MayPort CG

Art II (Spring 20) - Christina Connick
Sending Site: MayPort CG

Probability and Statistics (Fall 19)-Christopher Strand 11:33 AM-12:23 PM
Sending Site: Hatton
Hatton (6)
(See next page)

Period 4 – 11:27 – 12:43 PM, continued

(DC) College Algebra (Spring 20) – Fred Strand: 11:33 AM - 12:23 PM
Sending Site: Mayville State University
Hope-Page (4) Larimore (4), Finley-Sharon (5)

 (DC) College Algebra (Spring 20) – Christopher Strand: 11:33 AM - 12:23 PM
Sending Site: Hatton
Dual credit with Mayville State University
Central Valley (11)

Programming Essentials (Python) (Fall 19/Spring 20) – Steve Thompson
Sending Site: Sheyenne Valley Area Career and Tech Center

Medical Terminology (Fall 19/Spring 20) - Kristen Lindgren
Sending Site: Sheyenne Valley Area Career and Tech Center
Larimore (1), Maple Valley (2)

Fund. of Web Design (Fall 19/Spring 20) - Eric Holland
Sending Site: Sheyenne Valley Area Career and Tech Center Course Description

Spanish I (Fall 19/Spring 20) - Barb Jacobs: 11:27 AM - 12:17 PM
Sending Site: Thompson
Central Valley (3), Hatton (1 on PEXIP), Larimore (1 on PEXIP)

Period 5 - 12:47 PM - 1:37 PM

Graphic Communications I (Fall 19/Spring 20) - Eric Holland
Sending Site: Sheyenne Valley Area Career and Tech Center

Health Science (Fall 19/Spring 20) - Kristen Lindgren
Sending Site: Sheyenne Valley Area Career and Tech Center
Maple Valley (2)

Mobile Application Development (Fall 19)-Steve Thompson
Sending Site: Sheyenne Valley Area Career and Tech Center

Cyber Operations (Spring 20)-Steve Thompson
Sending Site: Sheyenne Valley Area Career and Tech Center

Spanish I (Fall 19/Spring 20) - Barb Jacobs
Sending Site: Thompson
Larimore (10), Fordville-Lankin (2)

Period 6 - 1:41 PM - 2:31 PM

Computer Hardware and Operating Systems (Fall 19/Spring 20) – Steve Thompson
Sending Site: Sheyenne Valley Area Career and Tech Center

Spanish II (Fall 19/Spring 20) - Barb Jacobs
Sending Site: Thompson
Maple Valley (1)

Period 7 - 2:35 PM - 3:25 PM

Spanish II (Fall 19/Spring 20) - Barb Jacobs
Sending Site: Thompson
Larimore (4)

Period 999 - online – online

(DC) Fundamentals of Public Speaking (Fall 19) – Jason Hibbs
Sending Site: Mayville State University
Finley-Sharon (3), MPCG (4), CV (5), Hillsboro (5)

(DC) Fundamentals of Public Speaking (Spring 20) – Jason Hibbs
Sending Site: Mayville State University
Central Valley (11), Finley-Sharon (2), Fordville-Lankin (3), Minto (4)

(DC) College Composition I (Fall 19) – Michele Willman
Sending Site: Mayville State University

(DC) College Composition II (Spring 20) – Michele Willman
Sending Site: Mayville State University

(DC) Introduction to Psychology (Fall 19) - Codie Davis
Sending Site: Mayville State University
Central Valley (4), Finley-Sharon (4), Hillsboro (11), Lisbon (1), Larimore (2), Thompson (2), Hatton (4)

(DC) Introduction to Psychology (Spring 20) - Codie Davis
Sending Site: Mayville State University

(DC) Introduction to Sociology (Fall 19) - Misti Wuori
Sending Site: Mayville State University
Minto (3?), Thompson (2), Lisbon (1)

(DC) Introduction to Sociology (Spring 20) - Misti Wuori
Sending Site: Mayville State University
Central Valley (4), Finley-Sharon (4)
(See next page)

Period 999 - online – online, continued

(DC) U.S. History to 1877 (Fall 19) - Elliot Rotvold
Sending Site: Mayville State University
Hillsboro (2)

Graphic Communications I (Fall 19/Spring 20) - Eric Holland
Sending Site: Sheyenne Valley Area Career and Tech Center

Fund. of Web Design (Fall 19/Spring 20) – Eric Holland
Sending Site: Sheyenne Valley Area Career and Tech Center

Computer Hardware and Operating Systems (Fall 19/Spring 20) – Steve Thompson
Sending Site: Sheyenne Valley Area Career and Tech Center

(DC) Introduction to Networking (Fall 19/Spring 20) – Steve Thompson
Sending Site: Sheyenne Valley Area Career and Tech Center
Dual credit with Valley City State University--optional

Mobile Application Development (Fall 19)-Steve Thompson
Sending Site: Sheyenne Valley Area Career and Tech Center

Cyber Operations (Spring 20) – Steve Thompson
Sending Site: Sheyenne Valley Area Career and Tech Center
Larimore (1)

Medical Terminology (Fall 19/Spring 20) - Kristen Lindgren
Sending Site: Sheyenne Valley Area Career and Tech Center

Course Descriptions

<u>**DC College Composition I ENGL 110 (Fall 19)**</u>
Grade Level: 11-12
Sending School: Mayville State University
Dual Credit: HS: .5 College: 3
An introduction to traditional English grammar as the foundation of modern prose style, leading to the understanding of the concepts of classical Aristotelian deduction and generative rhetoric. This approach teaches the logical structure of the sentence as well as its editorial elements, such as usage, punctuation, and spelling. The structure of the sentence is used as a model for constructing paragraphs and later multi-paragraph essays in the various modes of organizational patterns of written expression. This course offers guided practice in college-level writing and critical thinking, and appropriate IT skills. Beginning Fall 2012, students enrolling must meet one of the required placement scores for ENGL 110: - ACT English sub test 18 - PLAN English sub test 15 (only if ACT not taken) – Accuplacer WritePlacer minimum score of 5.

<u>**DC College Composition II ENGL 120 (Spring 20)**</u>
Grade Level: 11-12
Sending School: Mayville State University
Dual Credit: HS: .5 College: 3
An introduction to traditional English grammar as the foundation of modern prose style, leading to the understanding of the concepts of classical Aristotelian deduction and generative rhetoric. This approach teaches the logical structure of the sentence as well as its editorial elements, such as usage, punctuation, and spelling. The structure of the sentence is used as a model for constructing paragraphs and later multi-paragraph essays in the various modes of organizational patterns of written expression. This course offers guided practice in college-level writing and critical thinking, and appropriate IT skills. Beginning Fall 2012, students enrolling must meet one of the required placement scores for ENGL 110: - ACT English sub test 18 - PLAN English sub test 15 (only if ACT not taken) – Accuplacer WritePlacer minimum score of 5.

<u>**Introduction to Networking (Fall 19/Spring 20)**</u>
Grade Level: 10-12
Sending School: Sheyenne Valley Area Career and Tech Center
HS Credit: 1
Students learn about Cisco-brand networking equipment such as routers and switches, Local Area Network configuration and will participate in hands-on labs to increase their skill level. Students will receive instruction on how to configure Cisco networking devises for use on a LAN or WAN. Completion of the two semesters of CCNA1 and CCNA 2 will help prepare students to take the Industry-level CISCO Intro 640-821 and ICND 640-811 exams. Homework is frequently. Reading level is post-secondary (technical). Curriculum is web based.

<u>**Computer Hardware and Operating Systems (Fall 19/Spring 20)**</u>
Grade Level: 10-12
Sending School: Sheyenne Valley Area Career and Tech Center
HS Credit: 1
This course is designed to teach students how to install, maintain and upgrade personal computer hardware and operating system software. Students will be tasked to diagnose, troubleshoot and repair issues involving personal

computers, laptops, printers and software. Completion of the year-long course will help prepare students to take the Industry-level COMPTIA A+ exams. Homework is occasional. Reading level is technical. Curriculum is web based.

Spanish I (Fall 19/Spring 20)
Grade Level: 9-12
Sending School: Thompson
HS Credit: 1

Student speech at this level should be limited to simple statements and simple questions on very familiar topics. Basic survival needs and minimum courtesy requirements should be satisfied. Students should comprehend standard language samples dealing with basic needs, instructions and commands. Students should be able to read material dealing with survival and social needs and should write short messages within the scope of their limited language experience.

Spanish II (Fall 19/Spring 20)
Grade Level: 10-12
Sending School: Thompson
HS Credit: 1
This course involves students Spanish speaking, reading, and writing skills are reinforced and expanded through more involved activities and complex selections. Less emphasis is placed on pattern drill and more on free response. Hispanic culture, literature, and history are explored more in depth.

(DC-Mayville State University) College Algebra (Spring 20)
Grade Level: 11-12
Sending School: Mayville State University and Hatton
Dual Credit: HS: .5 College: 3
Relations and functions, equations and inequalities, complex numbers, polynomial, rational, exponential and logarithmic functions, systems of equations, matrices and determinants, sequences and summation. Pre-requisite: Minimum 21 ACT Math score, MATH 102 or equivalent with a grade of C or higher.

(DC) Fundamentals of Public Speaking (Fall 19 or Spring 20)
Grade Level: 10-12
Sending School: Mayville State University
Dual Credit: HS: .5 College: 3
This course focuses on the theory and practice of discussing, informing, persuading, and entertaining in a public speaking context, with appropriate use of graphic presentation software and other current technologies. This general education course prepares the student for active participation in oral communication not only in the classroom, but also as a member of the community.

(DC) Introduction to Psychology (Fall 19 or Spring 20)
Grade Level: 10-12
Sending School: Mayville State University
Dual Credit: HS: .5 College: 3
This is an introductory survey of the basic approaches and concepts used to explore the diversity of human experience, development, and behavior, including important research in the area and application of everyday life. Pre-req. None. Essential Studies.

(DC) Introduction to Sociology (Fall 19 or Spring 20)
Grade Level: 10-12
Sending School: Mayville State University
Dual Credit: HS: .5 College: 3
An introductory examination of social behavior and human groups through an analysis of the diversity in culture, human interactions, social structure, social differentiation, social change, and social process.

(DC) U.S. History to 1877 (Fall 19)
Grade Level: 10-12
Sending School: Mayville State University and Hatton
Dual Credit: HS: .5 College: 3
A historical survey of United States History from its earliest European backgrounds to 1877.

(DC) U.S. History Since 1877 (Spring 20)
Grade Level: 10-12
Sending School: Hatton
Dual Credit: HS: .5 College: 3
A historical survey of United States History from 1877 to the recent past.

Graphic Communications I (Fall 19/Spring 20)
Grade Level: 10-12
Sending School: Sheyenne Valley Area Career and Tech Center
HS Credit: 1
This program will provide students with an introduction to graphic design with an emphasis on fundamentals and the design process. Studies will include: design elements, design principles, typography, photography and digital enhancement and manipulation. Student will be utilizing Photoshop and Corel draw computer programs.

Fund. of Web Design (Fall 19/Spring 20)
Grade Level: 9-12
Sending School: Sheyenne Valley Area Career and Tech Center
HS Credit: 1
Introduction to Web Development; is an introductory semester long course in the planning, interviewing design and

development of a web site. Students will learn how to design, develop and maintain content within Dreamweaver. They will learn ways to add typical interface components and how to use Fireworks for creating optimal images for the Web. You will learn how to organize and manage your prototypes and how to easily organize Web pages and layers.

Introduction to Networking (Fall 19/Spring 20)
Grade Level: 10-12
Sending School: Sheyenne Valley Area Career and Tech Center
HS Credit: 1

Students learn about Cisco-brand networking equipment such as routers and switches, Local Area Network configuration and will participate in hands-on labs to increase their skill level. Students will receive instruction on how to configure Cisco networking devises for use on a LAN or WAN. Completion of the two semesters of CCNA1 and CCNA 2 will help prepare students to take the Industry-level CISCO Intro 640-821 and ICND 640-811 exams. Homework is frequently. Reading level is post-secondary (technical). Curriculum is web based.

Medical Terminology (Fall 19/Spring 20)
Grade Level: 10-12
Sending School: Sheyenne Valley Area Career and Tech Center
HS Credit: .5 or 1

This class is designed to introduce students to the health information technology field. Students will learn prefixes, suffixes and root words for medical terms. This will include meanings, spellings and pronunciations. Emphasis is on building a working medical vocabulary based on body systems. Anatomy and physiology of major organs, pathological conditions, laboratory studies, clinical procedures and abbreviations are studies for each body system. The student will also learn medical terminology as it relates to pathology, diagnostic, surgical, clinical and laboratory procedures, and common abbreviations and acronyms by body systems.

Art I (Fall 19)
Grade Level: 9-12
Sending School: MayPort CG
HS Credit: .5

Two-dimensional laboratory lessons, art background, and historical understandings. Media includes graphite pencil, charcoal, colored pencil, pastels, scratch board, linoleum prints and sand panting.

Art II (Spring 20)
Grade Level: 9-12
Sending School: MayPort CG
HS Credit: .5

Basic concepts of art and practice in utilization of the basic materials. Includes drawing, painting and design using India ink, markers, water colors, tempera paints, acrylics and oil paints.

Health Science (Fall 19/Spring 20)
Grade Level: 10-12
Sending School: Sheyenne Valley Area Career and Tech Center
HS Credit: 1

You will learn basic health care giving skills, applied academics, professional development, leadership, and organizational skills. Core skills are medical terminology, anatomy, professional standards, safety, monitoring body functions, disease prevention, CPR and First Aid Certification.

Cyber Operations (Spring 20)
Grade Level: 9-12
Sending School: Sheyenne Valley Area Career and Tech Center
HS Credit: .5-1

The CCNA Cybersecurity Operations; provides an introduction to the knowledge and skills needed for a Security Analyst working with a Security Operations Center team. It teaches core security skills needed for monitoring, detecting, investigating, analyzing and responding to security events, thus protecting systems and organizations from cybersecurity risks, threats and vulnerabilities.

Routing and Switching Essentials (Fall 19/Spring 20)
Grade Level: 10-12
Sending School: Sheyenne Valley Area Career and Tech Center
HS Credit: 1

Students learn about Cisco-brand networking equipment such as routers and switches, Local Area Network configuration and will participate in hands-on labs to increase their skill level. Students will receive instruction on how to configure Cisco networking devises for use on a LAN or WAN. Completion of the two semesters of CCNA1 and CCNA 2 will help prepare students to take the Industry-level CISCO Intro 640-821 and ICND 640-811 exams. Homework is frequently. Reading level is post-secondary (technical). Curriculum is web based.

Programming Essentials (Python) (Fall 19/Spring 20)
Grade Level: 9-12
Sending School: Sheyenne Valley Area Career and Tech Center
HS Credit: .5-1

Programming Essentials in Python Course; Python is a general-purpose programming language used to build just about anything. Python is key for backend web development, data analysis, artificial intelligence and scientific computing, all of which are key for pursuing IT careers.

With PCAP Programming Essentials in Python you learn to design, write, debug, and run programs encoded in the Python language. No prior programming knowledge is required. The course begins with the very basics guiding you step by step until you become adept at solving more complex problems.

Mobile Applications Development (F19)

Course Code: 27128

Grade Level: 9-12
Sending School: Sheyenne Valley Area Career and Tech Center
HS Credit: .5-1

This course will introduce students to mobile application development and management using a variety of commercial and open source software. Topics to be included in the course are: (1) Installation and modification of application; (2) Code modification; (3) Design and implementation; (4) Database systems management; (5) Security; and (6) Customer Service.

Probability and Statistics (Fall 19)

Grade Level: 11-12

Sending School: Hatton

HS Credit: .5

Probability and Statistics introduces the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.