

Course Offerings for Academic Year 2020-2021
HOV-ITV Consortium
July 30, 2020

Course Schedule

Period 0 - 7:25 AM - 8:23 AM (note varying start/end times)

(DC: ENGL 110) College Composition I (Fall 20)-Steven Petherbridge
MSU Class Number: 1069
Delivery: ITV (T/TH), 7:15-8:30 a.m.
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Larimore \(6\)](#)

(DC: ENGL 110) College Composition I (Fall 20) - Steven Petherbridge
MSU Class Number: 1070
Delivery: ITV (M/W/F), 7:25-8:23 a.m.
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Central Valley \(4\), Hatton \(4\), MPCG \(6\)](#)

(DC: ENGL 120) College Composition II (Spring 21)- Steven Petherbridge
MSU Class Number: 3035
Delivery: ITV (T/TH), 7:15-8:30 a.m.
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Larimore \(6\)](#)

(DC: ENGL 120) College Composition II (Spring 21) - Steven Petherbridge
MSU Class Number: 3033
Delivery: ITV (M/W/F), 7:25-8:23 a.m.
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Central Valley \(4\), Hatton \(4\), MPCG \(6\)](#)

Period 1 - 8:45 AM - 9:35 AM (note varying start/end times)

Mobile Application Development (Fall 20)-D'Aulan Bussman
Course Code: 27128
Delivery: ITV (M-F), 8:35-9:25 a.m. (online option listed below)
Sending Site: Sheyenne Valley Area Career and Tech Center
[\(receiving school numbers\)](#)

(Period 1 courses continue to next page)

*Yearlong course. Either semester alone may be taken, but first semester (usually Fall) must be completed first.

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Period 1 - 8:45 AM - 9:35 AM (note varying start/end times), continued

Cyber Security/Operations (Spring 21)-D'Aulan Bussman

Course Code: 27280

Delivery: ITV (M-F), 8:35-9:25 a.m. (online option listed below)

Sending Site: Sheyenne Valley Area Career and Tech Center

[\(receiving school numbers\)](#)

(DC: ENGL 110) College Composition I (Fall 20) – Steven Petherbridge

MSU Class Number: 1071

Delivery: ITV (M/W/F), 8:30 - 9:20 a.m.

Sending Site: Mayville State University

Dual Credit with Mayville State University

[Central Valley \(3\), Finley-Sharon \(5\), Fordville-Lankin \(3\), Minto \(9\)](#)

(DC: ENGL 120) College Composition II (Spring 21) – Steven Petherbridge

MSU Class Number: 3034

Delivery: ITV (M/W/F), 8:30 - 9:20 a.m.

Sending Site: Mayville State University

Dual Credit with Mayville State University

[Central Valley \(3\), Finley-Sharon \(5\), Fordville-Lankin \(3\), Minto \(9\)](#)

Period 2 - 9:39 AM - 10:29 AM (note varying start/end times)

Computer Hardware and Operating Systems (Fall 20/Spring 21)* - D'Aulan Bussman

Course Code: 27219

Delivery: ITV (M-F), 9:25-10:15 a.m. (online option listed below)

Sending Site: Sheyenne Valley Area Career and Tech Center

[Central Valley \(1\)](#)

(DC: HIST 103) U.S. History to 1877 (Fall 20) – Travis Cormier

Course Code: 15085

MSU class number:1371

Delivery: ITV (M-F), 9:23-10:13 a.m.

Sending Site: Hatton

Dual credit with Mayville State University

[\(receiving school numbers\)](#)

(DC: HIST 104) U.S. History Since 1877 (Spring 21)-Travis Cormier

Course Code: 15085

MSU class number:3393

Delivery: ITV (M-F), 9:23-10:13 a.m.

Sending Site: Hatton

Dual credit with Mayville State University

[\(receiving school numbers\)](#)

(Period 3 courses continue to next page)

*Yearlong course. Either semester alone may be taken, but first semester (usually Fall) must be completed first.

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Period 3 – 10:33 AM – 11:23 AM (note varying start/end times), continued.

Fundamentals of Web Design (Fall 20/Spring 21)* – Eric Holland
Course Code: 27170
Delivery: ITV (M-F), 10:34-11:19 (online option listed below)
Sending Site: Sheyenne Valley Area Career and Tech Center
([receiving school numbers](#))

Health Careers I (Fall 20/Spring 21)* – Megan Grafing
Course Code: 07033
Delivery: ITV (M-F), 10:34-11:19
Sending Site: Sheyenne Valley Area Career and Tech Center
[Thompson \(5\)](#)

Introduction to Information Technologies (Fall 20/Spring 21)* – D'Aulan Bussman
Course Code: 27101
Delivery: ITV (M-F), 10:34-11:19 a.m. (online option listed below)
Sending Site: Sheyenne Valley Area Career and Tech Center
([receiving school numbers](#))

Period 4 – 11:27 AM – 12:43 PM (note varying start/end times)

(DC: MATH 103) College Algebra (Fall 20) – Taylor Simon
MSU Class Number: 15160
Delivery: ITV (M/W/F), 11:33-12:23
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Hope-Page \(4\)](#), [Minto \(7\)](#), [MPCG \(4\)](#), [Northwood \(7\)](#)

(DC: MATH 103) College Algebra (Spring 21) – Taylor Simon
MSU Class Number: 3116
Delivery: ITV (M/W/F), 11:33-12:23
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Central Valley \(5\)](#), [Finley-Sharon \(4\)](#)

(DC: MATH 105) Trigonometry (Spring 21) – Taylor Simon
MSU Class Number: 5646
Delivery: ITV (T/TH), 11:33-12:23
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Hope-Page \(2\)](#), [Northwood \(7\)](#)

Probability and Statistics (Fall 20) - Christopher Strand
Course Code: 11150
Delivery: ITV (M-F), 11:30 a.m. -12:20 p.m.
Sending Site: Hatton
([receiving school numbers](#))

(Period 4 courses continue to next page)

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Period 4 – 11:27 AM – 12:43 PM (note varying start/end times), continued.

(DC) College Algebra (Spring 21) – Christopher Strand

Course Code: 11034

MSU Class Number: 3394

Delivery: ITV (M-F), 11:30 a.m. -12:20 p.m

Sending Site: Hatton

Dual credit with Mayville State University

[\(receiving school numbers\)](#)

Health Careers I (Fall 20) – Megan Grafing

Course Code: 07033

Delivery: ITV (M-F), 11:19 a.m. -12:04 p.m.

Sending Site: Sheyenne Valley Area Career and Tech Center

[Midway \(2\)](#)

Programming Essentials (Python) (Fall 20/Spring 21)* – D'Aulan Bussman

Course Code: 27123

Delivery: ITV (M-F), 11:19 a.m. -12:04 p.m. (online option listed below)

Sending Site: Sheyenne Valley Area Career and Tech Center

[\(receiving school numbers\)](#)

Spanish I (Fall 20/Spring 21) - Barb Jacobs

Course Code: 06211

Delivery: ITV (M-F), 11:17 a.m. -12:07 p.m.

Sending Site: Thompson

[Fordville-Lankin \(3\), Northwood \(5\)](#)

Period 5 - 12:47 PM - 1:37 PM (note varying start/end times)

Mobile Application Development (Fall 20)-D'Aulan Bussman

Course Code: 27128

Delivery: ITV (M-F), 12:52-1:37 p.m. (online option listed below)

Sending Site: Sheyenne Valley Area Career and Tech Center

[\(receiving school numbers\)](#)

Cyber Security/Operations (Spring 21)-D'Aulan Bussman

Course Code: 27280

Delivery: ITV (M-F), 12:52-1:37 p.m. (online option listed below)

Sending Site: Sheyenne Valley Area Career and Tech Center

[\(receiving school numbers\)](#)

Graphic Communications I (Fall 20/Spring 21)* - Eric Holland

Course Code: 17071

Delivery: ITV (M-F), 12:52-1:37 p.m. (online option listed below)

Sending Site: Sheyenne Valley Area Career and Tech Center

[Hope-Page \(1\)](#)

(Period 5 courses continue to next page)

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Period 5 - 12:47 PM - 1:37 PM (note varying start/end times), continued.

Spanish I (Fall 20/Spring 21) - Barb Jacobs
Course Code: 06211
Delivery: ITV (M-F), 12:37-1:27 p.m.
Sending Site: Thompson
[Central Valley \(2\)](#), [Hatton \(2\)](#), [Larimore \(3\)](#)

Period 6 - 1:41 PM - 2:31 PM (note varying start/end times)

Computer Hardware and Operating Systems (Fall 20/Spring 21)*- D'Aulan Bussman
Course Code: 27219
Delivery: ITV (M-F), 1:37-2:22 p.m. (online option listed below)
Sending Site: Sheyenne Valley Area Career and Tech Center
[\(receiving school numbers\)](#)

Spanish II (Fall 20/Spring 21) - Barb Jacobs
Course Code: 06212
Delivery: ITV (M-F), 1:31-2:21 p.m.
Sending Site: Thompson
[Central Valley \(3\)](#), [Fordville-Lankin \(1\)](#), [Larimore \(1\)](#)

Period 7 - 2:35 PM - 3:25 PM (note varying start/end times)

Spanish II (Fall 20/Spring 21) - Barb Jacobs
Course Code: 06212
Delivery: ITV (M-F), 2:25-3:15 p.m.
Sending Site: Thompson
[Central Valley \(3\)](#), [Larimore \(1\)](#)

Period 999 - online – online (note start/end dates for Mayville State courses)

(DC: MATH 103) College Algebra (Fall 20)– Melanie Herman
MSU Class Number: 1373
Delivery: Online only, 8/24/20-12/18/20
Sending Site: Mayville State University (ITV: Hatton)
Dual Credit with Mayville State University
[Midway \(3\)](#), [Northwood \(1\)](#)

(DC: MATH 103) College Algebra (Spring 21)– Melanie Herman
MSU Class Number: 3395
Delivery: Online only, 1/11/21-5/14/21
Sending Site: Mayville State University
Dual Credit with Mayville State University
[\(receiving school numbers\)](#)

(Online courses continue to next page)

*Yearlong course. Either semester alone may be taken, but first semester (usually Fall) must be completed first.

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Period 999 - online – online (note start/end dates for Mayville State courses), cont.

(DC: ENGL 110) College Composition I (Fall 20) – Michele Willman
MSU Class Number: 1276
Delivery: Online only, 8/24/20-12/18/20
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Northwood \(2\)](#)

(DC: ENGL 120) College Composition II (Spring 21) – Michele Willman
MSU Class Number: 3321
Delivery: Online only, 1/11/21-5/14/21
Sending Site: Mayville State University
Dual Credit with Mayville State University
[\(receiving school numbers\)](#)

Computer Hardware and Operating Systems (Fall 20/Spring 21)*- D'Aulan Bussman
Course Code: 27219
Delivery: Online (ITV options for Periods 2 & 6 listed above)
Sending Site: Sheyenne Valley Area Career and Tech Center
[\(receiving school numbers\)](#)

Cyber Security/Operations (Spring 21)-D'Aulan Bussman
Course Code: 27280
Delivery: Online (ITV options for Periods 1 & 5 listed above)
Sending Site: Sheyenne Valley Area Career and Tech Center
[MPCG \(1\)](#)

(DC: COMM 110) Fundamentals of Public Speaking (Fall 20) – Jason Hibbs
MSU Class Number: 1007
Delivery: Online only, 8/24/20-12/18/20
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Finley-Sharon \(4\), MPCG \(1\)](#)

(DC: COMM 110) Fundamentals of Public Speaking (Spring 21) – Jason Hibbs
MSU Class Number: 3020
Delivery: Online only, 1/11/21-5/14/21
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Central Valley \(2\)](#)

Fundamentals of Web Design (Fall 20/Spring 21)* – Eric Holland
Course Code: 27170
Delivery: Online (ITV option for Period 3 listed above)
Sending Site: Sheyenne Valley Area Career and Tech Center
[\(receiving school numbers\)](#)

(Online courses continue to next page)

*Yearlong course. Either semester alone may be taken, but first semester (usually Fall) must be completed first.

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Period 999 - online – online (note start/end dates for Mayville State courses), cont.

Graphic Communications I (Fall 20/Spring 21)* - Eric Holland
Course Code: 17071
Delivery: Online (ITV option for Period 5 listed above)
Sending Site: Sheyenne Valley Area Career and Tech Center
([receiving school numbers](#))

Intro to Agriculture (Fall 20)– William Fritz
Course Code: 01011
Delivery: Online only
Sending Site: Sheyenne Valley Area Career and Tech Center
([receiving school numbers](#))

Introduction to Information Technologies (Fall 20/Spring 21)* – D'Aulan Bussman
Course Code: 27101
Delivery: Online (ITV option for Period 3 listed above)
Sending Site: Sheyenne Valley Area Career and Tech Center
([receiving school numbers](#))

(DC: PSYC 111) Introduction to Psychology (Fall 20) – Codie Davis
MSU Class Number: 1043
Delivery: Online only, 8/24/20-12/18/20
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Central Valley \(1\), Thompson \(7\)](#)

(DC: PSYC 111) Introduction to Psychology (Spring 21) – Codie Davis
MSU Class Number: 3322
Delivery: Online only, 1/11/21-5/14/21
Sending Site: Mayville State University
Dual Credit with Mayville State University
[MPCG \(2\), Thompson \(5\)](#)

(DC: SOC 110) Introduction to Sociology (Fall 20) - Misti Wuori
MSU Class Number: 1054
Delivery: Online only, 8/24/20-12/18/20
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Thompson \(3\)](#)

(DC: SOC 110) Introduction to Sociology (Spring 21) - Misti Wuori
MSU Class Number: 3089
Delivery: Online only, 1/11/21-5/14/21
Sending Site: Mayville State University
Dual Credit with Mayville State University
[Thompson \(5\)](#)

(Online courses continue to next page)

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Period 999 - online – online (note start/end dates for Mayville State courses), cont.

Medical Terminology (Fall 20/Spring 21)* – Megan Graefing
Course Code: 07036
Delivery: Online only
Sending Site: Sheyenne Valley Area Career and Tech Center
([receiving school numbers](#))

Mobile Application Development (Fall 20)-D'Aulan Bussman
Course Code: 27128
Delivery: Online (ITV option for Period 5 listed above)
Sending Site: Sheyenne Valley Area Career and Tech Center
([receiving school numbers](#))

Programming Essentials (Python) (Fall 20/Spring 21)* – D'Aulan Bussman
Course Code: 27123
Delivery: Online (ITV option for Period 4 listed above)
Sending Site: Sheyenne Valley Area Career and Tech Center
([receiving school numbers](#))

(DC: HIST 103) U.S. History to 1877 (Fall 20) - Elliot Rotvold
Course Code: 15085
MSU Class Number: 1025
Delivery: Online only, 8/24/20-12/18/20
Sending Site: Mayville State University
Dual Credit with Mayville State University
([Central Valley \(1\)](#))

Course Descriptions – Next Page

*Yearlong course. Either semester alone may be taken, but first semester (usually Fall) must be completed first.

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Course Descriptions

College Algebra (MATH 103)

Grade Level: 10-12

Sending Schools: Mayville State University and Hatton

MaSU Credit: 3

Relations and functions, equations and inequalities, complex numbers; polynomial, rational, exponential and logarithmic functions; systems of equations, matrices and determinants, sequences and summation. Prerequisite: minimum 21 ACT Math sub score, or ASC 93 or equivalent with a grade of "C" or higher.

College Composition I (ENGL 110)

Grade Level: 10-12

Sending School: Mayville State University

MaSU Credit: 3

ENGL 110 develops the foundational skills for college-level writing. These skills include learning how to respond critically to texts, develop a thesis, make claims and support them with evidence, respond to and work with sources, frame a written project with organization and transitions, cite and document sources in accordance with MLA documentation standards, and edit scholarly work. Students will learn how to consider the rhetorical nature of academic discourse as they move through the drafting process. Prerequisite: Students who score 15-17 on the ACT English subtest or equivalent exams may register for this course along with ASC 088 - English Composition Lab. Students who have scored 18 or above on the ACT English subtest or equivalent exams, or have completed ASC 086 - Preparatory English or equivalent course with at least a "C" or higher may register for this course.

College Composition II (ENGL 120)

Grade Level: 10-12

Sending School: Mayville State University

MaSU Credit: 3

ENGL 120 expands on ENGL 110, offering advanced practice in college-level writing. This class utilizes library resources to work on research skills that are essential to academic study in field-specific work. Students will learn how to evaluate credible sources and frame a longer written project, building on the rhetorical writing skills taught in ENGL 110. Prerequisite: Successful completion of ENGL 110 or equivalent course or 27 or above on the ACT English subtest or equivalent exams.

Computer Hardware and Operating Systems*

Grade Level: 10-12

Sending School: Sheyenne Valley Area Career and Tech Center

High School 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.

(Course descriptions continue to next page)

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Cyber Security/Operations**Grade Level: 9-12****Sending School: Sheyenne Valley Area Career and Tech Center****High School 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.

Fundamentals of Public Speaking (COMM 110)**Grade Level: 10-12****Sending School: Sheyenne Valley Area Career and Tech Center****High School Credit: 1**

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 and includes a section on electronic communication. This essential studies course prepares the student for active participation in oral communication not only in the classroom, but also as a member of the community.

Fundamentals of Web Design***Grade Level: 9-12****Sending School: Sheyenne Valley Area Career and Tech Center****High School 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.

Graphic Communications I***Grade Level: 10-12****Sending School: Sheyenne Valley Area Career and Tech Center****High School 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.

Health Careers I***Grade Level: 10-12****Sending School: Sheyenne Valley Area Career and Tech Center****High School 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.

(Course descriptions continue to next page)

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Introduction to Agriculture**Grade Level: 9-12****Sending School: Sheyenne Valley Area Career and Tech Center****High School Credit: 1**

This class is designed to introduce students to agriculture and its applications covering basic mechanical theory and skills. Topics may include soils, irrigation, land judging, plants, crop and weed identification, range management, horticulture, nursery, diseases, insects, and chemicals.

Introduction to Information Technologies***Grade Level: 9-12****Sending School: Sheyenne Valley Area Career and Tech Center****High School Credit: 1**

This course provides exposure to careers and issues in information technology. Students will gain hands-on experience in three major IT areas including: • Hardware and Software: Safety and tools, numbering systems and basic electricity, operating systems, troubleshooting, etc. • Networking: LAN fundamentals, peer-to-peer networking, IP addressing, troubleshooting, etc. • Programming/Interactive-media: Visual Basic and HTML basics

Introduction to Psychology (PSYC 110)**Grade Level: 10-12****Sending School: Mayville State University****MaSU Credit: 3**

This is an introductory survey of some 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.

Introduction to Sociology (SOC 110)**Grade Level: 10-12****Sending School: Mayville State University****MaSU Credit: 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.

Medical Terminology**Grade Level: 10-12****Sending School: Sheyenne Valley Area Career and Tech Center****High School 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.

(Course descriptions continue to next page)

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Mobile Applications Development**Grade Level: 9-12****Sending School: Sheyenne Valley Area Career and Tech Center****High School 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.

Programming Essentials (Python)***Grade Level: 9-12****Sending School: Sheyenne Valley Area Career and Tech Center****High School 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.

Probability and Statistics**Grade Level: 11-12****Sending School: Hatton****High School 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.

Spanish I**Grade Level: 9-12****Sending School: Thompson****High School 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**Grade Level: 10-12****Sending School: Thompson****High School 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.

(Course descriptions continue to next page)

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Trigonometry (MATH 105)**Grade Level: 10-12****Sending School: Mayville State University****MaSU Credit: 2**

Angle measure, trigonometric and inverse trigonometric functions, trigonometric identities and equations, polar coordinates, applications.

U.S. History to 1877 (HIST 103)**Grade Level: 10-12****Sending School: Mayville State University and Hatton****High School Credit: .5****MaSU Credit: 3**

A historical survey of United States History from its earliest European backgrounds to 1877.

U.S. History since 1877 (HIST 104)**Grade Level: 10-12****Sending School: Hatton****High School Credit: .5****MaSU Credit: 3**

A historical survey of United States History from 1877 to the recent past.

Additional Information

NDDPI Course Code Directory: <https://www.nd.gov/dpi/districtschools/course-codes>

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