

Course Offerings for Academic Year 2023-2024
HOV-ITV Consortium
March 10, 2023
Final Draft

Course Schedule

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

(DC: ENGL 110) College Composition I (Fall 23)--Staff
MSU Class Number: 8085
Delivery: ITV (M/W/F, 8/21/23-12/15/23), 7:25-8:23 a.m.
Sending Site: Mayville State University
Receiving Sites:
Dual Credit with Mayville State University

(DC: ENGL 120) College Composition II (Spring 24) - Staff
MSU Class Number:
Delivery: ITV (M/W/F), (1/8/24-5/10/24), 7:25-8:23 a.m.
Sending Site: Mayville State University
Receiving Sites:
Dual Credit with Mayville State University

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

Graphic Communications I (Fall 23/Spring 24)* - Eric Holland
Course Code: CG1: 17190
Delivery: ITV (M-F, 8/24/23-5/17/24), 8:30-9:15 a.m. (online option listed below)
Sending Site: Sheyenne Valley Area Career and Tech Center
Receiving Sites:

Cyber Security (Fall 23/Spring 24) - Lorissa Lenertz
Course Code: 27280
Delivery: ITV (M-F, 8/24/23-5/17/24), 8:30-9:15 a.m. (online option listed below)
Sending Site: Sheyenne Valley Area Career and Tech Center
Receiving Sites:

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

**Yearlong course. Enrolling students must complete the course within the year in order to receive credit (this includes high school credit).

***Yearlong course. Either semester alone may be taken for high school credit (completion of first semester is prerequisite to enrolling for second semester), but students seeking dual credit must complete the course within the year.

(DC: ENGL 110) College Composition I (Fall 23) –Staff
MSU Class Number: 8086
Delivery: ITV (M/W/F, 8/21/23-12/15/23), 8:30 - 9:20 a.m.
Sending Site: Mayville State University
Receiving sites:
Dual Credit with Mayville State University

(DC: ENGL 120) College Composition II (Spring 24) – Staff
MSU Class Number:
Delivery: ITV (M/W/F, 1/8/24-5/10/24), 8:30 - 9:20 a.m.
Sending Site: Mayville State University
Receiving sites:
Dual Credit with Mayville State University

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

Computer Hardware and Operating Systems (Fall 23/Spring 24)* - Lorissa Lenertz
Course Code: 27219
Delivery: ITV (M-F, 8/24/23-5/17/24), 9:26-10:09 a.m. (online option listed below)
Sending Site: Sheyenne Valley Area Career and Tech Center
Receiving Sites:

(DC: HIST 103) U.S. History to 1877 (Fall 23) – Travis Cormier
Course Code: 15085
MSU class number: 1459
Delivery: ITV (M/W/F, 8/21/23-12/15/23), 9:23-10:13 a.m.
Sending Site: Hatton
Receiving Sites:
Dual credit with Mayville State University

(DC: HIST 104) U.S. History Since 1877 (Spring 24) -Travis Cormier
Course Code: 15085
MSU class number:
Delivery: ITV (M/W/F), 9:23-10:13 a.m.
1/8/24-5/10/24
Sending Site: Hatton
Receiving Sites:
Dual credit with Mayville State University

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

**Yearlong course. Enrolling students must complete the course within the year in order to receive credit (this includes high school credit).

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

Introduction to Information Technologies (Fall 23)* – Lorissa Lenertz

Course Code: 27101

Delivery: ITV (M-F, 8/24/23-12/21/23), 10:20-11:03 a.m. (online option listed below)

Sending Site: Sheyenne Valley Area Career and Tech Center

Receiving Sites:

Programming Essentials (Python) (Spring 24)* – Lorissa Lenertz

Course Code: 27123

Delivery: ITV (M-F, 1/3/24-5/17/24), 10:20 a.m. -11:03 p.m. (online option listed below)

Sending Site: Sheyenne Valley Area Career and Tech Center

Receiving Sites:

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

(DC: MATH 103) College Algebra (Fall 23) – Taylor Simon

MSU Class Number: 8123

Delivery: ITV (M/W/F, 8/21/23-12/15/23), 11:33-12:23

Sending Site: Mayville State University

Receiving sites:

Dual Credit with Mayville State University

(DC: MATH 105) Trigonometry (Spring 24) – Taylor Simon

MSU Class Number:

Delivery: ITV (T/TH), 11:33-12:23

1/8/24-5/10/24

Sending Site: Mayville State University

Receiving sites:

Dual Credit with Mayville State University

Probability and Statistics (Fall 23) - Christopher Strand

Course Code: 11150

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

8/21/23-12/15/23

Sending Site: Hatton

Receiving Sites:

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

**Yearlong course. Enrolling students must complete the course within the year in order to receive credit (this includes high school credit).

***Yearlong course. Either semester alone may be taken for high school credit (completion of first semester is prerequisite to enrolling for second semester), but students seeking dual credit must complete the course within the year.

(DC) College Algebra (Spring 24) – Christopher Strand

Course Code:

MSU Class Number:

Delivery: ITV (M/W/F class time; T/TH student help time), 11:30 a.m. -12:20 p.m.

1/8/24-5/10/24

Sending Site: Hatton

Dual credit with Mayville State University

Receiving Sites:

Essentials of Desktop Operating Systems-LINUX (Fall 2023)-Lorissa Lenertz

Course Code: 27305

11:14-11:59 a.m.

8/24/23-12/21/23

Sending Site: Sheyenne Valley Area Career and Tech Center

Receiving Sites:

Introduction to Information Technologies (Spring 2024) Lorissa Lenertz

Course Code: 27101

11:14-11: 59 a.m.

1/3/24-5/17/24.

Sending Site: Sheyenne Valley Area Career and Tech Center

Receiving Sites:

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

Cyber Security (Fall 2023/Spring 2024) - Lorissa Lenertz

Course Code: 27280

Delivery: ITV (M-F, 8/24/23-5/17/24), 12:47-1:32 p.m. (online option listed below)

Sending Site: Sheyenne Valley Area Career and Tech Center

Receiving Sites:

Graphic Communications I (Fall 23/Spring 24)* - Eric Holland

Course Code: 17190

Delivery: ITV (M-F, 8/24/23-5/17/24), 12:47-1:32 p.m. (online option listed below)

Sending Site: Sheyenne Valley Area Career and Tech Center

Receiving Sites:

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

Computer Hardware and Operating Systems (Fall 23/Spring 24)*- Lorissa Lenertz

Course Code: 27219

Delivery: ITV (M-F, 8/24/23-5/17/24), 1:43-2:28 p.m. (online option listed below)

Sending Site: Sheyenne Valley Area Career and Tech Center

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

**Yearlong course. Enrolling students must complete the course within the year in order to receive credit (this includes high school credit).

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

None

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

(DC: MATH 103) College Algebra (Fall 23)– Melanie Herman

MSU Class Number: 7950

Delivery: Online only, 8/21/23-12/15/23

Sending Site: Mayville State University

Dual Credit with Mayville State University

(DC: MATH 103) College Algebra (Spring 24)– Melanie Herman

MSU Class Number:

Delivery: Online only, 1/8/24-5/10/24

Sending Site: Mayville State University

Dual Credit with Mayville State University

(DC: ENGL 110) College Composition I (Fall 23) – Dr. Michele Willman

MSU Class Number: 8096

Delivery: Online only, 8/21/23-12/15/23

Sending Site: Mayville State University

Dual Credit with Mayville State University

(DC: ENGL 120) College Composition II (Spring 24) – Dr. Michele Willman

MSU Class Number:

Delivery: Online only, 1/8/24-5/10/24

Sending Site: Mayville State University

Dual Credit with Mayville State University

Intro to Ag-William Fritz (Fall 2023/Spring 24)

8/24/23-5/17/24

Delivery: ITV (M-F, 7:45-8:30 a.m.)

Grades 9-12

Course Code: 01011

Sending Site: Sheyenne Valley Area Career and Tech Center

Computer Hardware and Operating Systems (Fall 23/Spring 24)*- Lorissa Lenertz

8/24/23-5/17/24

Course Code: 27219

Delivery: Online

Sending Site: Sheyenne Valley Area Career and Tech Center

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Cyber Security (Fall 23/Spring 24) - Lorissa Lenertz
8/24/23-5/17/24
Course Code: 27280
Delivery: Online
Sending Site: Sheyenne Valley Area Career and Tech Center

Health Careers I & II (Fall 23/Spring 24)* – Megan Grafing
Course Code: 07033 & 07035
Delivery: Online with office hours (M-F), 8/24/23-5/17/24
Sending Site: Sheyenne Valley Area Career and Tech Center
Can repeat for a second year; Second Year focus is Pediatrics and Geriatrics

(Note: Health Careers I becomes Health Careers I and II and is to be taught online only in a yearlong format. (If it is their first time taking it, they will receive a Health Careers 1 credit, if it is their second year taking it they will receive Health Careers II credit.)

Medical Terminology (Fall 23)* – Megan Grafing
Course Code: 07036 and Dual Credit through VCSU as BIOL 171
Delivery: Online only, 8/21/23-12/15/23
Sending Site: Sheyenne Valley Area Career and Tech Center
Grades 9-12 High School; Grades 10-12 Dual Credit

Medical Terminology (Spring 24)* – Megan Grafing
Course Code: 07036 and Dual Credit through VCSU as BIOL 171
Delivery: Online only, Delivery: Online only, 1/8/24-5/10/24
Sending Site: Sheyenne Valley Area Career and Tech Center
Grades 9-12 High School; Grades 10-12 Dual Credit

(Note: Med. Term online now offered for Dual credit (1HS, 3 College credits in Biol. 171). The class is now a semester long instead of a yearlong course. They can take either semester, but not both as it would be a repeat. Must be a 10-12 grader and have a 3.0 cumulative GPA or higher. Must complete and submit Dual credit enrollment form. Approximately \$87/college credit.)

(DC: COMM 110) Fundamentals of Public Speaking (Fall 23) – Jason Hibbs
MSU Class Number: 8049
Delivery: Online only, 8/21/23-12/15/23
Sending Site: Mayville State University
Dual Credit with Mayville State University

(DC: COMM 110) Fundamentals of Public Speaking (Spring 24) – Jason Hibbs
MSU Class Number:
Delivery: Online only, 1/8/24-5/10/24
Sending Site: Mayville State University
Dual Credit with Mayville State University

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Graphic Communications I (Fall 23/Spring 24)* - Eric Holland
Course Code: 17071
Delivery: Online 8/24/23-5/17/24
Sending Site: Sheyenne Valley Area Career and Tech Center

Introduction to Information Technologies (Fall 23)* – Lorissa Lenertz
Course Code: 27101
Delivery: Online 8/24/23-12/21/23
Sending Site: Sheyenne Valley Area Career and Tech Center

(DC: PSYC 111) Introduction to Psychology (Fall 23) – Dera Johnson
MSU Class Number: 8072
Delivery: Online only, 8/21/23-12/15/23
Sending Site: Mayville State University
Dual Credit with Mayville State University

(DC: PSYC 111) Introduction to Psychology (Spring 24) – Dera Johnson
MSU Class Number:
Delivery: Online only, 1/8/24-5/10/24
Sending Site: Mayville State University
Dual Credit with Mayville State University

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

(DC: SOC 110) Introduction to Sociology (Fall 23) - Misti Wuori
MSU Class Number: 8077
Delivery: Online only, 8/21/23-12/15/23
Sending Site: Mayville State University
Dual Credit with Mayville State University

(DC: SOC 110) Introduction to Sociology (Spring 24) - Misti Wuori
MSU Class Number:
Delivery: Online only, 1/8/24-5/10/24
Sending Site: Mayville State University
Dual Credit with Mayville State University

Programming Essentials (Python) (Spring 24)* – Lorissa Lenertz
Course Code: 27123
Delivery: Online 1/3/24-5/17/24

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

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Sending Site: Sheyenne Valley Area Career and Tech Center

Essentials of Desktop Operating Systems-LINUX (Fall 2023)-Lorissa Lenertz

Course Code: 27305

11:14-11:59 a.m.

8/24/23-12/21/23

Sending Site: Sheyenne Valley Area Career and Tech Center

Receiving Sites:

(DC: HIST 103) U.S. History to 1877 (Fall 23) - Elliot Rotvold

Course Code:

MSU Class Number: 8058

Delivery: Online only, 8/21/23-12/15/23

Sending Site: Mayville State University

Dual Credit with Mayville State University

(DC: HIST 103) U.S. History to 1877 (Spring 24) – Travis Cormier

Course Code: 15085

MSU Class Number:

Delivery: Online only, 1/8/24-5/10/24

Sending Site: Mayville State University

Dual Credit with Mayville State University

(DC: EDUC 250) Introduction to Education (Fall 2023)—Jeni Peterson

Course Code: 20086

MSU Class Number: 12700

Delivery: Online Only, 8/21/23-12/15/23

Sending Site: Mayville State University

Dual Credit with Mayville State University

Tuition/fees/books/app fee free of charge for qualified students

(DC: EDUC 250) Introduction to Education (Spring 2024)—Jeni Peterson

Course Code: 20086

MSU Class Number:

Delivery: Online Only, 1/8/24-5/10/24

Sending Site: Mayville State University

Dual Credit with Mayville State University

Tuition/fees/books/app fee free of charge for qualified students

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

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(DC: SPED 289) Foundations of Special Education (Fall 2023)—Dr. Carly Theis
MSU Class Number: 8272
Course Code:
Delivery: Online Only, 8/21/23-12/15/23
Sending Site: Mayville State University
Dual Credi with Mayville State University
Tuition/fees/books/app fee free of charge for qualified students

(DC: SPED 289) Foundations of Special Education (Spring 2024)—Dr. Carly Theis
MSU Class Number:
Course Code:
Delivery: Online Only, 1/8/24-5/10/24
Sending Site: Mayville State University
Dual Credi with Mayville State University
Tuition/fees/books/app fee free of charge for qualified students

(DC: SPED 289A) Foundations of Special Education Field Experience (Spring 2024)—Dr. Carly Theis
MSU Class Number:
Course Code:
Delivery: Online Only, 1/8/24-5/10/24
Sending Site: Mayville State University
Dual Credi with Mayville State University
Tuition/fees/books/app fee free of charge for qualified students

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)

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

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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.

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 and II

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.

Intro to Graphic Communications and Web Design*

Grade Level: 9-12

Sending School: Sheyenne Valley Area Career and Tech Center

High School Credit: 1

Introduction to Graphic Communications and Web Design 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.

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

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***Yearlong course. Either semester alone may be taken for high school credit (completion of first semester is prerequisite to enrolling for second semester), but students seeking dual credit must complete the course within the year.

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.

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.

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

**Yearlong course. Enrolling students must complete the course within the year in order to receive credit (this includes high school credit).

***Yearlong course. Either semester alone may be taken for high school credit (completion of first semester is prerequisite to enrolling for second semester), but students seeking dual credit must complete the course within the year.

Programming Essentials (Python)***Grade Level: 9-12****Sending School: Shyenenne 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.

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.

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

**Yearlong course. Enrolling students must complete the course within the year in order to receive credit (this includes high school credit).

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Introduction to Education (EDUC 250)**Grade Level: 11-12****Sending School: Mayville State University****High School Credit: .5****MaSU Credit: 3**

This course provides students with historical, philosophical, social, and psychological foundations of education. Study of the structure and roles of the local, state, and federal government within the American educational system is a focus of the course along with student-led research on global educational systems, diversity and multiculturalism in education. Current trends in curriculum and instruction are also a focus of the course. Students will participate in a structured field experience to include elementary or secondary placement and special needs. Special emphasis will be placed on observing the teaching-learning process, performing instruction-related duties, working individually with students, and the operating procedures of a K-12 classroom. Students will also be introduced to the professionalism of teaching.

Additional Information**NDDPI Course Code Directory:** <https://www.nd.gov/dpi/districtsschools/course-codes>

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