



2016-2017

Distance Learning  
Course Description Booklet

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# Course Offerings

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# CADENC Hosted Classes

## Business

### Accounting

**Prerequisite(s):** None

**Grade Level:** 10-12

**Description:** This course is designed to provide vocational skills that will contribute to success not only in initial job entry, but also to advancement in a career in accounting and related business occupations. In addition, accounting will provide the necessary background for future study in accounting and business. Those not intending to enter the business world will be attracted by the personal use type topics which will include: reconciling checking accounts, making deposits, writing checks, and completing various financial report forms such as net worth statements and tax returns. Students shall work at least 20 hours on computerized accounting.

**Credits:** High School (1.0), CVTC Dual Credit (4.0) **Length:** Full Year **Host School:** Durand

## Foreign Language

### French I

**Prerequisite(s):** None

**Description:** This course is an introduction to the French language and Francophone culture. Students will practice all four communication skills: reading, writing, speaking, and listening. They are expected to try to communicate on familiar topics in French, and by the end of the first year, students can communicate on familiar topics such as self, family, school, hobbies, likes and dislikes.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eau Claire Memorial

### French II

**Prerequisite(s):** French I

**Description:** This course expands those skills learned in French I. As they study Francophone culture, students continue to build communication skills in reading, writing, speaking, and listening. Students are expected to communicate on a variety of familiar topics in French.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eau Claire Memorial

### Italian

**Prerequisite(s):** None

**Description:** This course is designed to give college bound students a basic knowledge in Italian language and culture. Students will use a textbook's companion site and online language learning resources, so computer usage will be required.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** McDonell

### Russian

**Prerequisite(s):** None

**Description:** This course is designed to give college bound students a basic knowledge in Russian language and culture. Students will use a textbook's companion site and online language learning resources, so computer access will be required.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** McDonell

## *CADENC Hosted Advanced Placement Courses*

*Advanced Placement courses allow high school students to earn University credit while still in high school in an intellectually stimulating and rewarding environment. These courses are offered in over 10,000 American high schools and in 64 foreign countries.*

### AP Biology

**Prerequisite(s):** Biology and Algebra

**Description:** This course teaches advanced concepts and laboratory techniques in Biology that would be equivalent to a freshman-level college course. The content of this course focuses on four "big ideas": the process of evolution drives the diversity and unity of life; biological systems utilize free energy and molecular building blocks to grow, to produce, and to maintain dynamic homeostasis; living systems store, retrieve, transmit, and respond to information essential to life processes; biological systems interact and these systems and their interactions possess complex properties.

**Credits:** High School/AP Credit (1.0)

**Length:** Beginning during the 1<sup>st</sup> quarter and ending at the end of 3<sup>rd</sup> quarter

**Host School:** McDonell

### **AP Biology**

**Prerequisite(s):** Junior or Senior status. “B” Average in General Biology. Students will be expected to take the College Board AP Exam. There is a cost to the exam. Students demonstrating financial need are eligible for financial assistance for exam costs and may be eligible for free testing. Chemistry and Anatomy & Physiology are strongly recommended, but not required.

**Description:** This Advance Placement Biology class will provide students with an expansive background in biology. This is a college-level course and it will be an intense class. It will be necessary for students to spend time outside of class studying and reviewing. A general rule of one hour of study time for each hour of class time is suggested. AP Biology is a class in which students must take responsibility for their own learning. This course is designed around the AP Biology Curriculum Framework, and is centered on the four big ideas:

- 1) The process of evolution drives the diversity and unity of life
- 2) Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis
- 3) Living systems store, retrieve, transmit, and respond to information essential to life processes
- 4) Biological systems interact, and these systems and their interactions possess complex properties

Each big idea is supported by enduring understandings and essential knowledge, which are taught in relationship to each other and to the associated big idea(s). A minimum of 25% of total instructional time is devoted to inquiry-based laboratory investigations. The type of inquiry will vary (structured, guided, open) depending on the investigation or activity.

**Credits:** High School/AP Credit (1.0)    **Length:** Full Year (Must sign up for both semesters)    **Host School:** Durand

### **AP Calculus AB**

**Prerequisite(s):** Advanced Math

**Description:** The main objective is to provide students with an opportunity to explore higher levels of mathematics and appreciate its usefulness in understanding the ways of the world. This class provides an opportunity for the student to experience a college-level math class in a high school setting. Lessons are presented in a variety of ways including numerically, graphically, analytically, and verbally.

**Credits:** High School (1.0)    **Length:** Full Year    **Host School:** Durand

### **AP U.S. History**

**Prerequisite(s):** US History “B” Average and junior or senior standing.

**Description:** This intensive reading and writing course will concentrate on the scope of our U.S. History from colonial history to the present. This course is designed to prepare students to take the Advanced Placement Exam in U.S. History the following spring. Students will refine their writing skills, expand their knowledge of U.S. History, and practice taking the AP Exam. All students should take the exam the following spring at their own expense. If the test is successfully completed, advanced placement and/or college credit will be granted.

**Credits:** High School    **Length:** Full Year    **High School:** Durand

# CWETN Hosted Classes

## Agriculture

### Agricultural Affairs and Current Events

**Prerequisite(s):** None

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

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

### Animal Science

**Prerequisite(s):** None

**Description:** Animal Science will cover topics relating to both large and small domesticated animals. Students will cover general topics including animal welfare, genetics, nutrition, reproduction, and safety and environmental issues with animals. This course is taught with an applied science emphasis. The objective of the course is for students to understand the role of animals in our society and to become an educated consumer. Suggested for students interested in an animal or veterinary career. Successful completion of this course and advanced animal science fulfills the transcribed credit requirement for NTC.

**Credits:** High School (0.5), NTC Transcribed Credit **Length:** 1 Semester **Host School:** Marathon

### Advanced Animal Science

**Prerequisite(s):** Animal Science (Animal Science and Advanced Animal Science must be taken in same year)

**Description:** Advanced Animal Science is a continuation of animal science and will cover individual species in detail including dairy, beef, sheep, horses, swine, goats, companion animals, and exotic domesticated species. Animal physiology, behavior, biotechnology, veterinary medicine, and animal product selection will be emphasized. Current industry topics will be identified. . Successful completion of this course and animal science fulfills the transcribed credit requirement for NTC.

**Credits:** High School (0.5), NTC Transcribed Credit **Length:** 1 Semester **Host School:** Marathon

### Food Science Technology

**Prerequisite(s):** None

**Description:** As global population continues to grow, many young people and adults are unaware of how the world meets its most basic daily requirement...the need for food. Along the path from farm to consumer, the safety of our food can be affected at each step in our food delivery system. Food science benefits consumers every day with healthier diets, better tasting affordable foods, and increased food safety. In this class you really do get to play with your food! Topics covered in this course include the importance of food in our society, learning to interpret food labels, food microbiology, and chemistry of cooking, food physics and much more. Lab exercises will deal with processing food and testing various components of food. Projects include developing a new food product and a science cookbook.

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

## Business

### Accounting

**Prerequisite(s):** None

**Grades:** 10-12

**Description:** Accounting provides an understanding of the basic elements and concepts of double entry accounting systems. Accounting is the basis for any college career or where a major in business is concerned. Students will learn the accounting equation, the accounting cycle, journal entries, posting to different ledgers, end-of-period fiscal period reports, payroll systems, banking activities, taxes, un-collectible accounts, depreciation, inventories and notes and interest for various types of businesses including sole proprietorship and partnerships. Students will master the manual aspects of the accounting process and also complete accounting simulations and automated accounting work.

**Credits:** High School (1.0); NTC Dual Credit (4.0) **Length:** Full Year **Host School:** Abbotsford

### Accounting

**Prerequisite(s):** None

**Grades:** 10-12

**Description:** This course provides an understanding of the elements and concepts of double entry accounting systems. First semester topics include: The accounting equation, entering transactions in journals, posting to ledgers, fiscal period statements and reports, accounts receivable and payable, depreciation, bad debts, sales taxes, and banking activities. Accounting work is done for both a service business as a proprietorship and a merchandising business organized as a corporation. The second semester deals with corporations and basic accounting procedures. This includes notes, interest, payroll accounting, stockholders' equity, sales returns and allowances and sales discount, purchases returns and allowances and purchases discount. Computer accounting problems are incorporated into this course.

**Credits:** High School (1.0), NTC Transcribed Credit if "B" or better is earned for grades *11-12* only.

**Length:** Full Year **Host School:** Athens

### Accounting

**Prerequisite(s):** Introduction to Business or approval from teacher

**Grades:** 11-12

**Description:** The accounting cycle of journalizing transactions, posting, adjusting, and closing entries as well as the preparation of accounting statements is emphasized for sole proprietorships and partnerships in service and merchandising businesses.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Granton

### Accounting

**Prerequisite(s):** None

**Grade Level:** 10-12

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

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Marathon

### Accounting

**Prerequisite(s):** None

**Grades:** 10-12

**Description:** Thinking a career in the business world is in your future? Whether it be starting your own business, or entering the marketing, management, or accounting professions it's important to learn the language of business. Students will be introduced to the "real world" of business by learning the principles of accounting while applying business concepts and theory through case studies and simulations. Other topics include banking, taxes, and more.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Almond-Bancroft

### Advanced Accounting

**Prerequisite(s):** Accounting

**Grade Level:** 11-12

**Description:** Vital for any student thinking about accounting as a career. Builds on the concepts from Accounting. This course will examine in more detail the financial aspects of business. This course will build on the knowledge gained in Accounting and provide you with a solid understanding of corporate accounting practices. You'll be able to analyze transactions and prepare various corporate financial reports. You'll also gain practical experience working with Departmentalized Accounting, Accounting Control Systems, Accounting Adjustments, Management Accounting, and Cost Accounting. One accounting practice set will be done during this class. If you are considering a business major of any kind in college or tech school, you will need to take Advanced Accounting. This class will help prepare you for your college courses.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Marathon

### Business Law

**Prerequisite(s):** Business Management

**Grades:** 10-12

**Description:** Subjects covered will be business laws and their ethical foundation, court systems, criminal law as related to business, business contracts, consumer protection, business ownership and leasing of business real estate, employment law, legal forms of business organization, business cyberlaws, E-commerce, and the history of business law cases. We will have mock trials to apply the concepts learned.

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



### **Business Marketing**

**Prerequisite(s):** None

**Description:** This semester course is offered to students in grade 10-12 to introduce them to the U.S. economic environment and characteristics of various types of business. Topics will include economics, entrepreneurship and small business management, law and ethics, and international business. This course will provide students with practical applications and experiences using real-world examples. This course will meet the needs of both a student interested in business in his or her personal lives and a student interested in business as a career. It will provide a foundation for college-level business classes, a career in business, and living in a world influenced by business.

**Credits:** High School (0.5), NTC Transcribed Credit if "B" or better is earned for grades *11-12* only.

**Length:** 1 Semester (2<sup>nd</sup> Semester) **Host School:** Athens

### **Hospitality Management**

**Prerequisite(s):** None

**Grades:** 10-12

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

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

### **Introduction to Business**

**Prerequisite(s):** None

**Grades:** 9-12

**Description:** This would be a great course for any student to participate in. This semester course is offered to students who want to gain a better understanding of the business world and various life skills. This class will introduce students to the U.S. economic environment, business and government in a global economy, technology in business, careers available and various aspects of the consumer issues relating to the business world. This class will also cover areas involved with entrepreneurship. These areas will include: types of ownership, business plans, marketing your business, managing, and protecting your business. This is a class that may be used with a student taking a business apprenticeship.

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

### **Introduction to Business**

**Prerequisite(s):** None

**Grades:** 9-12

**Description:** This semester course is offered to students beginning at the freshmen level to introduce them to the U.S. economic environment and characteristics of various types of business. This course includes additional topics like business and government in a global economy, technology in business, social and ethical issues and various other aspects of consumer issues relating to the business world. Students will also participate in a business community simulation and run their own manufacturing business online. The class is a prerequisite to Marketing, International Business and Sports & Entertainment Management.

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

### **Marketing**

**Prerequisite(s):** None

**Grades:** 10-12

**Description:** Marketing is one of the fastest growing employment areas in the U.S. Students will study the four P's of marketing, the marketing concept, and marketing functions. Marketing is a project-based class as students will develop advertisements (print, radio, and television), marketing campaigns, and a marketing plan. In this class students will use a computer simulation to run a retail store. Marketing is one of the core business classes every high school student interested in business as a career should complete. Students will need a computer with internet access for class.

**Credits:** High School (0.5), NTC Dual Credit for Juniors or Seniors. **Length:** 1 Semester **Host School:** Marathon

### **Marketing I**

**Prerequisite(s):** None

**Grade:** 10-12

**Description:** This introductory course is offered to students who are interested in the areas of marketing, advertising, or merchandising. This will be a student project-based course with hands-on learning activities. Students are introduced to concepts related to the business functions associated with directing the flow of products and services from the producer to the consumer. The following areas will be covered: human relations, communication, economics, salesmanship, leadership and career opportunities. This is a class that may be used with a student taking business apprenticeship.

**Credits:** High School Credit (3.0), NTC Dual Credit (3.0) **Length:** 1 Semester **Host School:** Abbotsford

## **Marketing II**

**Prerequisite(s):** Marketing I

**Grade:** 10-12

**Description:** In this course students use the marketing knowledge they have acquired in Marketing I to look deeper into the world of marketing and research marketing topics related to the following marketing related areas: sports and entertainment marketing, fashion marketing, sales, e-marketing, and global marketing. As with Marketing I, this course will be student project-based with hands-on learning activities. This is a class that may be used with a student taking a business apprenticeship.

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

## **Sports and Entertainment Marketing**

**Prerequisite(s):** Marketing 1

**Description:** This course will help students develop a thorough understanding of the marketing concepts and theories by applying them to sports and entertainment events. The areas this course will cover include basic marketing, target marketing, and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports marketing plans. This course will also delve into promotion plans, sports marketing plans, and event evaluation and management techniques.

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

## **Sports and Entertainment Management**

**Prerequisite(s):** Introduction to Business

**Grades:** 10-12

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

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

## **English**

### **American Literature: Colonial Days – 1850**

**Prerequisite(s):** None

**Grades:** 11-12

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

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

### **American Literature: 1850 – Present**

**Prerequisite(s):** None

**Grades:** 11-12

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

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

### **British Literature**

**Prerequisite(s):** English 10, open to grades 11-12

**Description:** Study will include the development of the English language and literature through the historical and literary eras, with supplemental readings and research on the historical events that promoted the style of writing and influenced the language used.

Focus will start with the Anglo-Saxon period through the Victorian era. Literary essays will supplement the fictional readings.

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

### **Classical Mythology and the Short Story**

**Prerequisite(s):** English 9 with a grade of “B+” or higher, open to grades 10-12

**Description:** This class will study the evolution of the short story from its beginning stages to its recognition as a genre in the 19<sup>th</sup> Century. Contrasts and comparisons will be made with the earlier story forms and the contemporary, as we study styles (such as Southern Gothic) and 20<sup>th</sup> Century techniques (the epiphany, static and dynamic characters) that make the stories unique. One quarter will be spent on the Greek gods to learn their role in story writing, and how literature (specifically *The Odyssey*) developed with the incorporation of their tales.

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

### **Critical Reading & Analysis**

**Prerequisite(s):** None

**Grades:** 11-12

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

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

### **Mythology**

**Prerequisite(s):** None

**Grades:** 11-12

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

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

### **Family & Consumer Education**

#### **Child Care (ACCT)**

**Prerequisite(s):** Parent and Child. Junior or senior standing.

**Description:** Childcare teachers are in great demand and this course can get you State Certified to work in a day care setting. You'll learn the workings of a center and how you fit in. You'll plan and prepare activities for young children and get "on-the-job" training with community kids. You'll learn how to guide children in a positive way and to keep them and yourself safe and healthy. There's never a dull moment when you work with kids and it can be a very rewarding job.

**Credits:** High School Credit (0.5), NTC Transcribed Credit. **Length:** 1 Semester (2<sup>nd</sup> Semester). **Host School:** Granton

#### **Child Development**

**Prerequisite(s):** None

**Description:** Learn more about children and how to work with children! This class will focus on how to meet child's needs in each stage of development. Physical, intellectual, and social-emotional development from birth through the school-age years is emphasized. Students will do frequent observations, projections, and projects in order to understand and promote growth in children. Grades will be based on class participation, projects, activities, and observations.

**Credits:** High School (0.5) **Length:** 1 Semester **Host School:** Almond-Bancroft

#### **Parent and Child**

**Prerequisite(s):** None

**Description:** This is a hands-on class that allows students to explore the world of parenting. Students will have an opportunity to learn about the family and develop the knowledge, attitudes and skills needed to become a responsible parent, family member and citizen. Students will experience simulated parenting situations through "Baby Think It Over." Advanced Standing at WI Tech Schools with a grade of "B-" or better.

**Credits:** High School Credit (0.5). **Length:** 1 Semester (1<sup>st</sup> Semester). **Host School:** Granton

### **Foreign Language**

#### **French I**

**Prerequisite(s):** None

**Description:** This course is an introduction to the French language and Francophone culture. Students will practice all four communication skills: reading, writing, speaking, and listening. They are expected to try to communicate on familiar topics in French, and by the end of the first year, students can communicate on familiar topics such as self, family, school, hobbies, likes and dislikes.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eau Claire Memorial

#### **French II**

**Prerequisite(s):** French I

**Description:** This course expands those skills learned in French I. As they study Francophone culture, students continue to build communication skills in reading, writing, speaking, and listening. Students are expected to communicate on a variety of familiar topics in French.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eau Claire Memorial

## Spanish I

**Prerequisite(s):** None

**Description:** Introductory Spanish course at the high school level. There are no prerequisites to entering this course and no prior knowledge of Spanish is expected. The course introduces students to the Spanish language in addition to literature and culture. By the end of this course, students should be able to use memorized words and phrases to communicate on quite a few every day topics.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Abbotsford

## Spanish II

**Prerequisite(s):** Passing grade in Spanish I or placement exam and/or permission of instructor

**Description:** Builds on the concepts and skills learned in Spanish I. Students begin to expand their speaking and writing fluency to less common topics and depend less on memorized phrases.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Abbotsford

## Math

### Advanced Math

**Prerequisite(s):** Algebra II

**Description:** Advanced Math is an advanced course in high school mathematics that is designed and recommended for those who seek careers in mathematics, science, business, engineering or other technical fields. The first semester is focused on Trigonometry. Second semester topics will include review of algebraic concepts; functions and relations; polynomial, algebraic, logarithmic and exponential functions, probability and statistics. Students must supply their own graphing calculator (TI-83+ or TI-84 preferred).

**Credits:** High School (1.0), NTC Transcribed Credit if "C" or better is earned **Length:** Full Year **Host School:** Athens

### College Algebra

**Prerequisite(s):** Algebra II

**Description:** This course is designed for students who have earned credit in Geometry and Algebra II and plan on attending college or technical college, but are not pursuing a career in the math or science field. Topics covered will be equivalent to those covered in a College Algebra Course, such as Equations and Inequalities, Graphs and Functions, Polynomial and Rational Functions, Systems of Equations and Inequalities, Matrices and Determinants, Conic Sections. Upon successful completion of the course, students will earn credit through NTC. This credit will transfer to most of the UW System schools.

**Credits:** High School (1.0), NTC Transcribed Credit if "C" or better is earned **Length:** Full Year **Host School:** Athens

### Lifetime Math

**Prerequisite(s):** Successful completion of any offered math class

**Description:** This course will cover the mathematics behind everyday situations with an emphasis on finances. Some of the topics to be covered will be gross pay, net pay, banking services, credit cards, buying a car, insurance, investments and business costs. A smart phone or other device is recommended for this class.

**Credits:** High School Credit (1.0) **Length:** Full Year **Host School:** Colby

### Probability and Stats

**Prerequisite(s):** Geometry and Algebra 2

**Description:** This course introduces students to the basics of statistical testing. Students learn to organize, display, and analyze data and to explore the elements of probability.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Almond-Bancroft

### Technical Math

**Prerequisite(s):** Successful completion of Algebra I or successful completion of Intermediate Algebra I years 1 and 2. Open to grades 11-12.

**Description:** This class focuses on the fundamental concepts of arithmetic, including; fractions and decimals, algebra, rearranging formulas, solving systems of linear and quadratic equations; geometry, graphing and measurement and trigonometry. Students entering technical trade programs need to know these concepts. A smart phone or other device is recommended for this class.

**Credits:** High School Credit (1.0), NTC Transcribed Credit **Length:** Full Year **Host School:** Colby

### Trigonometry

**Prerequisite(s):** Geometry

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

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

## Music

### History of Rock and Roll

**Prerequisite(s):** None

**Description:** This class is a guided tour through the background and history of popular music from the early-mid 20<sup>th</sup> Century through present day. It will mainly focus on the rock and roll genre of music, but will also touch on other genres as they impact rock and roll. Some major topics will include Birth of Rock and Roll, Demise of Rock and Rise of Soul, British Invasion, Motown, Psychedelic, Rock Spectrum of the 1970s, New Wave and Punk, MTV Generation, Rise of Heavy Metal & Rap, The Great Divide of the 1990s, and New Directions. This course is a fun survey of popular music through the generations. We will use lectures to discuss important people, songs, albums, and we will connect these things to historical events and attitudes of the times. Listening to songs will be integral and most of it will be done in class, but some will be done on the students' time. Tests will be in an online format and in-class questioning will also be done online. No previous musical experience is necessary to take the course however some basic knowledge of music will certainly be helpful in order to fully appreciate all of the material presented. It is suggested that the students have access to a streaming music service, such as Spotify or Apple Music, to access recordings of songs easily. The goal is for students to get an appreciation of past music and cultures, to discover music they haven't been introduced to yet, and to open their minds to discover more music in the world.

**Credits:** High School (0.5) **Length:** 1 Semester **Host School:** Owen-Withee

## Science

### Astronomy

**Prerequisite(s):** Physical Science (C or Better)

**Grades:** 9-12

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

**Credits:** High School (0.5) **Length:** 1 Semester (1<sup>st</sup> & 2<sup>nd</sup> Semester) **Host School:** Granton

### Environmental Science

**Prerequisite(s):** None

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

**Credits:** High School (0.5) **Length:** 1 Semester (2<sup>nd</sup> Semester) **Host School:** Spencer

### Meteorology

**Prerequisite(s):** Physical Science (B or Better)

**Grade Level:** 10-12

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

**Credits:** High School (0.5) **Length:** 1 Semester (1<sup>st</sup> & 2<sup>nd</sup> Semester) **Host School:** Granton

### Microbiology and Parasitology

**Prerequisite(s):** Chemistry and Biology

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

**Credits:** High School Credit (1.0) **Length:** Full Year **Host School:** Spencer

## **Social Studies**

### **Global Economics**

**Prerequisite(s):** None

**Grades:** 11-12

**Description:** Economics gives students the opportunity to survey both micro and macroeconomics and their impact on our way of life. Students explore producing, the principles of scarcity, supply and demand, exchanging, consuming, saving, investing, and the Federal Reserve. Students will also learn about the stock market, as well as gain life-like stock market experiences. Economics is also designed to prepare students for the real economic world they will face upon graduation. Other areas studied include taxes, checking accounts, banking, credit and credit cards, advertising, insurance, budgets.

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

### **Political Science**

**Prerequisite(s):** None

**Grades:** 11-12

**Description:** Political Science will provide a basic understanding of the structure of our Federal government and its constitutional structure. We will outline the three branches of government, how they interrelate, and how we as citizens can influence the political process on the federal, state and local level. Special emphasis will be placed on the historical developments leading to the establishment of the unique American democracy.

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

### **Vietnam**

**Prerequisite(s):** “B” average in social studies courses with a letter of reference submitted by a social studies teacher

**Description:** The Vietnam War has had a tremendous impact on our nation. From our citizens, to our universities, to our military, and to our government, none emerged the same from this turbulent event. This war was called the “first televised war” because of the breadth of the correspondents who covered it and the depth of our nation’s involvement in watching the nightly news to get the latest information. This course is intended to help a student who wasn’t even born when the last American helicopter took off from Saigon understand why people say, “I hope it’s not another Vietnam.” The student will learn how we became involved in Vietnam, what American policies were, what life was like for the military in Vietnam, what was happening on the home front, the cultural changes which occurred in the United States and Wisconsin and finally, the consequences and lessons of war. There will be extensive reading, research, and projects for the course in addition to analysis of films and television clips.

**Credit:** High School (0.5)    **Length:** 1 Semester (2<sup>nd</sup> Semester)    **Host School:** Athens

### **The Vietnam War**

**Prerequisite(s):** Completion of home district U.S. History requirements

**Grade(s):** 11-12

**Description:** The 1960s was one of the most divisive decades in American history. Domestically, race riots, campus protests, & demonstrations showed the divide among Americans on Civil Rights, Women’s Rights, & Native American Rights. But one conflict split the nation like no other: The Viet Nam War. Through guided reading assignments, class projects, & research work, students who take this course will come away with a thorough understanding of the significant events, people, and concepts related to the Viet Nam War. Students will draw from texts, de-classified government documents, interviews, films, letters, essays, memoirs, magazines, and music as they delve into such topics as: How and why the United States became involved in Viet Nam; Viet Nam’s long history of invasion & colonization by the Chinese, French, & Japanese; Military leadership and strategy; The influence of the Cold War; Perspectives from soldiers and civilians on both sides of the conflict (on being a POW, the effects of the draft, nationalism, etc.); How advertisers, politicians, and activists used various media (movies, music, television, posters, photographs) to influence public opinion of the war; The fallout of the war in Cambodia, Laos, & the United States. The Viet Nam conflict defined a generation and a nation— Find out why.

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

### **World History I: The Ancient World**

**Prerequisite(s):** None

**Grades:** 11-12

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

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

## **World History II: Renaissance to Today**

**Prerequisite(s):** None

**Grades:** 11-12

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

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

## **World War II**

**Prerequisite(s):** Completion of home district U.S. History requirements

**Grade:** 11-12

**Description:** Very few wars can be defined in terms of “good vs. evil.” World War II is one such war. The global conflict from 1939 to 1945 shook the world and had lasting reverberations that we are dealing with to this day. It was *the* most widespread (fought across 6 of the 7 continents), costly, and destructive war in the history of the planet. Guided reading assignments—along with research studies and class projects—will take students from Hitler’s rise to power in 1933 to the surrender of the Japanese in 1945. Students will delve into a host of topics along the way, including: Major foreign & domestic events of WWII (e.g., Battle of the Bulge, the Holocaust, Okinawa, Iwo Jima, Hiroshima, Normandy, D-Day, & Pearl Harbor); Axis & Allied powers; Life under German occupation; Technological advancements; The role of women during the war; Espionage and war crimes; Cultural stereotypes (then & now). Actual historical documents, diaries/memoirs, newspaper accounts, propaganda pieces, and films about World War II will be examined as well as their relative credibility as a source.

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

## **World War II**

**Prerequisite(s):** “B” average in social studies courses with a letter of reference submitted by a social studies teacher.

**Description:** This course is designed to examine World War II in more depth and study than is given in a conventional United States history course. World War II was a pivotal period not only in American History but World History as well. We will examine not only the origins of the war, but also pivotal battles and events such as the Holocaust. We will examine the war from the perspective of ordinary citizens, soldiers and leaders. Finally, we will explore the continuing effects of this war on our society. A student who enrolls in the course must be prepared to do extensive reading, research, various assignments and analysis of World War II culture through examination of films, music, magazines and other cultural items.

**Credits:** High School (1.0)    **Length:** Full Year    **Host School:** Athens

## **Technology Education**

### **Computer Programming**

**Prerequisite(s):** None

**Grade:** 10-12

**Description:** Programming is a course that provides an introduction to computer programming. Students will be introduced to beginning programming structures and current programming practices. They will use these skills to design and create their own programs. This class will also introduce students to game design and development. Students interested in video game design and/or problem solving are encouraged to participate. This course will culminate with each student creating their own game.

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

### **Game and App Programming**

**Prerequisite(s):** None

**Grades:** 9-12

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

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

### **Web Page Design**

**Prerequisite(s):** None

**Grades:** 10-12

**Description:** This course provides students with the skills necessary to design and publish websites. The effective integration of graphics, scanned images, and digital images into web pages will also be explored. Students will learn several different web-page development software packages including Microsoft FrontPage and Macromedia Studio 8 Suite with Dreamweaver, Flash and Fireworks. In addition to learning design and web page development, students will learn about various career opportunities that utilize these skills. Students may apply their learning in this course to develop real web pages for the school district and/or the community.

**Credits:** High School (1.0) **Length:** 1 Semester **Host School:** Abbotsford

### **CWETN Hosted Advanced Placement Courses**

*Advanced Placement courses allow high school students to earn University credit while still in high school in an intellectually stimulating and rewarding environment. These courses are offered in over 10,000 American high schools and in 64 foreign countries.*

#### **AP Calculus**

**Prerequisite(s):** Advanced Math.

**Description:** This course is an accelerated math course. Upon completion of the course work, the AP Calculus Test will be given at the student's expense. The AP Calculus Test is recognized by all major universities and colleges. A student's score will determine how much (if any) college credit will be obtained. Students must score at least a 70% on final exam to earn credit. The topics covered are an in-depth study of functions, differential calculus, and integral calculus.

**Credits:** High School/AP Credit (1.0), Transcribed through NTC – Students who receive at least a “C” will receive 4 NTC Credits in Calculus 1

**Length:** Full Year **Host School:** Loyal

#### **AP Calculus**

**Prerequisite(s):** Advanced Math

**Grades:** 10-12

**Description:** This course is an accelerated math course. The topics covered are an in-depth study of functions, differential calculus, and integral calculus. Graphic calculators are useful, but not required. The material covered in this year long class will be equivalent to one semester at a university. Students may take the Advanced Placement test at the conclusion of the course. This is also a dual credit course with NTC, so students may receive NTC credits for this class.

**Credits:** High School/AP Credit (1.0) **Length:** Full Year **Host School:** Spencer

#### **AP CALCULUS AB**

**Prerequisite(s):** Pre-Calculus

**Description:** This class is for those students who wish to pursue a career in a math-related field or as a preparatory class to college calculus classes. Graphics calculators continue to be used extensively as a tool for increasing understanding of mathematics. Students who sign up for this class should be prepared to participate and work in order to further their own understanding of the power of mathematics. Topics covered will be limits and continuity; derivatives; applications of derivatives; definite integrals; differential equations and mathematical modeling; applications of definite integrals; sequences, L'Hopital's Rule and improper integrals. Learning mathematics involves both achieving a deep understanding of concepts and learning new skills. Your instructor can help you with both of these, but ultimately your learning is your responsibility. A deep understanding can be achieved by reading about, thinking about, and experimenting with the ideas of calculus. Skills can only be developed through practice.

**Credit:** High School/AP Credit (1.0) **Length:** Full Year **Host School:** Greenwood

#### **AP Calculus AB**

**Prerequisite(s):** Advanced Math

**Description:** AP Calculus is a yearlong course in introductory calculus with elementary functions. This course is intended for students who have a thorough knowledge of college preparatory mathematics, algebra through advanced math. The topics covered are an in-depth study of functions, differential calculus, and integral calculus. Students will have the opportunity to take the AP Calculus AB examination at the end of the year, at their own cost, for potential college credit. A TI-84 graphing calculator will be used throughout the course.

**Credits:** High School/AP Credit (1.0) **Length:** Full Year **Host School:** Athens



### **AP English Literature and Composition**

**Prerequisite(s):** 3.5 GPA overall and 3.5 GPA in English or special invitation (superior English ability only)

**Grades:** 12

**Description:** This advanced English course is intended only for the serious student. Students are introduced to academic discourse of the university level. The class is intended to mimic a college-level Literature course with all the reading, projects, assignments that such a designation confers. The course also prepares students to take the AP English examination in May.

**Credits:** High School/AP Credit (1.0) **Length:** Full Year **Host School:** Athens

### **AP English Literature and Composition**

**Prerequisite(s):** Instructor approval

**Grades:** 12

**Description:** This is a college-level course. The AP English course engages students in the careful reading and critical analysis of imaginative literature. Through the close readings of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

**Credits:** High School/AP Credit (1.0) **Length:** Full Year **Host School:** Almond-Bancroft

### **AP Physics**

**Prerequisite(s):** Completion of Geometry and be in second year of Algebra

**Description:** Physics is a study of energy. It will have units based upon motion, forces, energy, fluid mechanics, sound, and circular motion. It will include a variety of hands-on activities with an occasional trip outside. Anyone seeking engineering majors, or any other science field should do their utmost to be in this class. It will be math based. Physics will also have group activities such as the ever popular Rube-Goldberg machine. This machine is a large "gadget" that performs an easy task, in a fun way.

**Credits:** High School/AP Credit (1.0) **Length:** Full Year **Host School:** Marathon

### **AP Physics**

**Prerequisite(s):** Physical Science, Algebra I and Geometry, maintaining a "C" or better.

**Description:** This course gives a broad background for those students planning on a post-secondary education. The units covered include: the science of physics, motion in one and two dimensions, forces and the laws of motion, work and energy, momentum and collisions, rotational motion, fluid mechanics, thermodynamics, waves and optics. This course includes laboratory work.

**Credits:** High School/AP Credit (1.0) **Length:** Full Year **Host School:** Athens

### **AP Psychology**

**Prerequisite(s):** Introduction to Psychology and/or instructor's permission

**Grade:** 12

**Description:** The purpose of this course is to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science. Note: This class does not guarantee college credit as the purpose of the class is to prepare students for the AP College Board exam. Admission into this course will be competitive in nature. The AP test costs about \$90.

**Credits:** High School/AP Credit (1.0) **Length:** Full Year **Host School:** Spencer

### **AP Statistics**

**Prerequisite(s):** Algebra II

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

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

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

**Credits:** High School/AP Credit (1.0) **Length:** Full Year **Host School:** Greenwood

**AP U.S. History**

**Prerequisite(s):** 3.7 GPA and instructor approval

**Grades:** 11-12

**Description:** This is a college-level course. AP US History is an advanced course with demands equivalent to those made by a full-year introductory college course. Students will cover U.S. History topics ranging from Pre-Columbian Societies to Post-Cold War U.S. In addition, the class will prepare students to take the AP U.S. History exam to receive college credit for U.S. History.

**Credits:** High School/AP Credit (1.0)

**Length:** Full Year

**Host School:** Almond-Bancroft

# Project CIRCUIT Hosted Classes

## Agriculture

### Animal Care and Management

**Prerequisite(s):** None

**Grades:** 11-12

**Description:** Provides fundamental knowledge of the animal science field with a transcript credit through CVTC. Topics include animal health, animal environments, anatomy and physiology, genetics and reproduction, animal feedstuffs, and job-related safety. Participants will experience animal concepts through the completion of hands-on activities. Again, passing completion of this course will result in transcript credit through CVTC.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eleva-Strum

### Biotechnology

**Prerequisite(s):** None

**Grades:** 10-12

**Description:** This course provides a broad introduction to the biotechnology industry, including applications in diverse areas such as health care, agriculture, environmental science, and identification (including forensics) Ethical, Legal, and Social Issues raised by applications in biotechnology will also be discussed.

**Credits:** High School (0.5) **Length:** 1 Semester **Host School:** Eleva-Strum

### Exploring Agriscience

**Prerequisite(s):** None

**Grades:** 9-12

**Description:** In this course, students can expect to learn the basics about a variety of areas agriculture has to offer. This includes topics in basic animal and plant sciences, natural resources, food products and processing, FFA and leadership, wildlife, and career readiness.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eleva-Strum

### Landscaping

**Prerequisite(s):** None

**Grades:** 9-12

**Description:** This course will include the concepts and logistics behind landscape design through a hands-on and technical approach. Students will also have the opportunity to transform the school's landscape through maintenance and design.

**Credits:** High School (0.5) **Length:** 1 Semester **Host School:** Eleva-Strum

### Large Animal Science

**Prerequisite(s):** None

**Grades:** 9-12

**Description:** This course involves an overview of the anatomy, genetics, nutrition, health, management and selection of various livestock animals. Students will investigate various aspects of the livestock industries, career opportunities, breed identification, animal selection and facility management. Students will also study current issues and laws affecting livestock activities and ownership.

**Credits:** High School (0.5) **Length:** 1 Semester **Host School:** Eleva-Strum

### Small Animal Science

**Prerequisite(s):** None

**Grades:** 9-12

**Description:** This course will focus on the science of small animal care, health and nutrition, breeding and reproduction, housing, and training of pet or companion animals. Students will investigate into the various aspects of the small animal industries, career opportunities, and developing a schedule of proper care and handling for a chosen animal will be the product of this class. Students will also study current issues and laws affecting the small animal activities and ownership.

**Credits:** High School (0.5) **Length:** 1 Semester **Host School:** Eleva-Strum

## **Business**

### **Accounting**

**Prerequisite(s):** None

**Grades:** 11-12

**Description:** Did you know that most business majors and minors require an introductory accounting course? Prepare now and get a head start on your post-secondary education. The field of accounting offers challenging tasks, and array of travel opportunities, advancement potential, skill building, and the chance to play a vital role in evaluating business deals, growth, and investment strategies. This course introduces you to one of the most highly paid, in demand professions. Throughout this course you will complete multiple real-world accounting simulations that will address competencies learned.

**Credits:** High School (1.0), Transcribed Credit (4.0) through CVTC

**Length:** Full Year   **Host School:** Alma Center-Humbird-Merrillan

### **Business Law**

**Prerequisite(s):** None

**Description:** This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees. The law is interpreted through case studies, class lecture, and videos. Business Law is a required class for all business majors in college – start learning it now!

**Credits:** High School (0.5)   **Length:** 1 Semester (2<sup>nd</sup> Semester)   **Host School:** Arcadia

### **Leadership and Group Dynamics**

**Prerequisite(s):** None

**Grades:** 10-12

**Description:** With a hands-on, activity-based approach, this class will challenge students to find the leader within an order to make them competitive in today's society. This course is designed to educate the student on premier leadership, personal growth and career success. Skills in the areas of communication, goal setting, time management, financial planning, and job interviews will be taught.

**Credits:** High School (0.5)   **Length:** 1 Semester   **Host School:** Eleva-Strum

### **Microsoft Office Suite**

**Prerequisite(s):** None

**Grades:** 10-12

**Description:** The goal of this course is to provide an opportunity for students to use Microsoft Office 2010 as it is utilized in academic and business environments. The Microsoft Office Suite is the most commonly used software in both post-secondary education and industry. Students will become familiar with Office 2010 and use it as they work with Word, Excel, Access, and PowerPoint.

**Credits:** High School (0.5), Transcribed Credit (2.0) through CVTC

**Length:** 1 Semester   **Host School:** Alma Center-Humbird-Merrillan

## **Family & Consumer Education**

### **Assistant Child Care I**

**Prerequisite (s):** Parenting or Intro to Psychology

**Description:** This class is recommended for students with an interest in working with children. Career ideas that would greatly benefit from this course include: Pre-K to third grade education including daycare work, elementary guidance, social workers, and anyone who plans on spending time with young children. This course certifies students for an entry-level position as an assistant childcare teacher in Wisconsin. Students need an 85% average, 85% attendance, to be at least 17 years old upon completion, and to complete a 10-hour job shadow to meet state certification requirements. Others may take the class for credit without certification. Students will need a computer and Internet access for the class.

**Credits:** High School (0.5)   **Length:** 1 Semester (2<sup>nd</sup> semester)   **Host school:** ACHM

### **Assistant Child Care Teacher**

**Prerequisite(s):** Child Development

**Grades:** 11-12

**Description:** Are you interested in a career working with children or their families? ACCT (*Assistant Child Care Teacher*) will jump-start your career in childcare and/or education. By taking this course and meeting the grade requirements, you will be able to attain credit at Western Technical College and several universities in elementary education. You will also attain licensure through the State of Wisconsin as a registered Assistant Child Care Teacher. Some topics included in this course are childcare classroom activities, safety, health and first aid, proper care of young children, creating meals and snacks, communicating with families, creating lessons for children, professional development, and classroom environment. A class-run daycare center is also part of the course.

**Credits:** High School (0.5); 3 credits at Western Tech College, Licensed by the State of WI – ACCT, Shaken Baby, SIDS, First Aid

**Length:** 1 Semester   **Host School:** GET

## Foreign Language

### French I

**Prerequisite(s):** None

**Description:** This course is an introduction to the French language and Francophone culture. Students will practice all four communication skills: reading, writing, speaking, and listening. They are expected to try to communicate on familiar topics in French, and by the end of the first year, students can communicate on familiar topics such as self, family, school, hobbies, likes and dislikes.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eau Claire Memorial

### French II

**Prerequisite(s):** French I

**Description:** This course expands those skills learned in French I. As they study Francophone culture, students continue to build communication skills in reading, writing, speaking, and listening. Students are expected to communicate on a variety of familiar topics in French.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eau Claire Memorial

### Spanish I

**Prerequisite(s):** None; Daily access to computing devices will be required for each student to access course materials and utilize study tools.

**Description:** Spanish I meets every day for two semesters. In this class, students will build a foundation in language skills, including conversation, comprehension, cultural understanding, grammar, reading, and writing.

**Objectives:** During the year, Spanish I students will participate in drill activities, paired conversations, dialogues, and role playing, as well as actively participate in conversations and write about their daily lives, personal interests, preferences, and feelings. Writing journal entries in Spanish will be an on-going activity. Through reading and writing, students will increase their vocabulary and grammar skills, and their understanding of other cultures. Students will also participate in a variety of creative activities and projects utilizing the Spanish language.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eleva-Strum

### Spanish II

**Prerequisite(s):** Spanish I; Daily access to computing devices will be required for each student to access course materials and utilize study tools.

**Description:** Spanish II meets every day for two semesters. In this language-intensive class, students will review and expand on the skills learned in Spanish I.

**Objectives:** During the year, Spanish II students will participate in drill activities, paired conversations, dialogues, and role-playing, as well as actively participate in conversations and write about a variety of themes. Writing journal entries in Spanish will be an on-going activity. Through reading and writing, students will increase their vocabulary and grammar skills, and their understanding of other cultures. Students will also participate in a variety of creative activities and projects utilizing the Spanish language.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eleva-Strum

### Spanish III

**Prerequisite(s):** Spanish I & II; Daily access to computing devices will be required for each student to access course materials and utilize study tools.

**Description:** Spanish III meets every day for two semesters. In this class, students will further develop their listening, speaking, comprehension, and writing skills, as well as expand cultural awareness.

**Objectives:** During the year, Spanish III students will participate in drill activities, paired conversations, dialogues, and role playing, as well as actively participate in conversations and write about a variety of themes. Writing journal entries in Spanish will be an on-going activity. Through reading and writing, students will increase their vocabulary and grammar skills, and their understanding of other cultures. Students will also participate in a variety of creative activities and projects utilizing the Spanish language.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eleva-Strum

### Spanish IV

**Prerequisite(s):** None; Daily access to computing devices will be required for each student to access course materials and utilize study tools.

**Description:** Spanish IV meets every day for two semesters. In this class, students will continue to develop and fine-tune their listening, speaking, comprehension, and writing skills, as well as expand cultural awareness.

**Objectives:** During the year, Spanish IV students will participate in drill activities, paired conversations, dialogues, and role playing, as well as actively participate in conversations and write about a variety of themes. Writing journal entries in Spanish will be an on-going activity. Through reading and writing, students will increase their vocabulary and grammar skills, and their understanding of other cultures. Students will also participate in a variety of creative activities and projects utilizing the Spanish language.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eleva-Strum

## Science

### Environmental Science

**Prerequisite(s):** None

**Grades:** 10-12

**Description:** During this course students will explore the study of soil management, water, wildlife, forest air, energy resources, and the study of systems, instruments, and technologies used in waste management and environmental influences.

**Credits:** High School (0.5) **Length:** 1 Semester **Host School:** Eleva-Strum

### Environmental Studies

**Prerequisite(s):** None

**Grades:** 11-12

**Description:** This course is dedicated to the study of ecology and human impact on the environment, locally and globally. Students will explore their own beliefs about environmental issues and become better informed on the interrelationships between organisms and the environment. This course would be valuable for a student that has an interest in nature as well as a concern for the health of the environment. The course also examines today's most important environmental problems such as habitat destruction, water quality and air pollution. Solutions to these problems will be discussed including some of the many things that each student can do to improve the environment. There is also the opportunity for science minded students who would like to explore their own interests in scientific study through independent projects and research.

**Credits:** High School (0.5) **Length:** 1 Semester **Host School:** Blair-Taylor

### Heredity and Genetics

**Prerequisite(s):** None

**Grades:** 11-12

**Description:** Heredity and genetics is a semester long introductory course focusing on the principles of heredity, genetic technologies, and bioethical issues. Topics will include DNA structure and function, inheritance of human and animal traits, complex patterns of inheritance, and current advances in genetics and DNA technology as they apply to medicine and agriculture, along with bioethical issues raised by these technologies.

**Credits:** High School (0.5) **Length:** 1 Semester **Host School:** Blair-Taylor

### Plant Science

**Prerequisite(s):** None

**Grades:** 9-12

**Description:** This course includes the introduction to plant science including anatomy, careers, hormones, diseases, etc. Students will apply classroom knowledge to greenhouse concepts.

**Credits:** High School (0.5) **Length:** 1 Semester **Host School:** Eleva-Strum

## Social Studies

### U.S. History 1865-Present

**Prerequisite(s):** None

**Description:** Typically offered to Juniors, the content of the class covers the Period of time from Civil War Reconstruction to the year 2005. This class is taught both chronologically and thematically. Simulations, research projects, debates and a National History Day project comprise the majority of the classroom activities.

**Credits:** High School Credit (1.0) **Length:** Full Year **Host School:** Eleva-Strum

## *Project CIRCUIT Hosted Advanced Placement Courses*

*Advanced Placement courses allow high school students to earn University credit while still in high school in an intellectually stimulating and rewarding environment. These courses are offered in over 10,000 American high schools and in 64 foreign countries.*

### AP Calculus

**Prerequisite(s):** Pre-Calculus

**Description:** This is an introductory calculus course with elementary functions. It is taught as an advanced placement class. Calculus is intended for students who have a thorough knowledge of college preparatory mathematics including algebra, formal geometry, rectangular and polar coordinates, equations and graphs, lines, and conics.

**Credits:** High School/AP Credit (1.0) **Length:** Full Year **Host School:** Whitehall

### **AP US History**

**Prerequisite(s):** None

**Grades:** 11-12

**Description:** AP U.S. History students will develop an in-depth understanding of American History and government through the use of primary documents, textbook assignments, and supplementary readings. Lecture and discussion, simulations, Weekly text book readings with Identifier assignments where the student will be responsible for finding definitions and answers to questions from the text, Document Based Question tests where students will write an essay on a given topic using different primary sources, multiple choice quizzes, short answer and document based question quizzes will form the basis for class activities and help prepare the students to take the Advanced Placement Examination in May.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eleva-Strum

### **AP World History**

**Prerequisite(s):** None

**Description:** Advanced Placement World History is a challenging full year course that will focus on historical themes and key concepts that cover distinct chronological periods in world history. AP World History is the equivalent of an introductory college survey course complete with a college level text, assignments and assessments. The function of this class is to prepare students for higher level college courses and to gain an appreciation for world history and the interconnectivity of the world's civilizations throughout time. It is the goal of the instructor to have student demonstrate their mastery of the course by taking the College Board AP World History Exam in May.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eleva-Strum

### **Online**

#### **Personal Finance**

**Prerequisite(s):** None

**Description:** Do you love money? Most students do! Personal Finance will teach you how to manage, save, and spend money the smart way. Learning about money management, consumer purchasing, banking, credit and the consequences of mismanaged money will help you succeed in the world of finance. This course is entirely online.

**Credits:** High School (0.5)

**Host School:** GET

#### **Wisconsin History Online**

**Prerequisite(s):** None

**Description:** The history of Wisconsin is very long and fascinating. At times in the past, our state has even been the center of the world and had major world events happening here. Additionally, the history of Wisconsin is an interesting local parallel and reflection of our Nation's history. This course will take a hands-on look at various topics in Wisconsin history including virtual and/or onsite field trips. Topics will cover such periods as prehistoric Wisconsin, early native peoples, exploration and the fur trade, the people who came and settled in Wisconsin and the shift from territory to statehood.

**Host School:** Blair-Taylor

# WIN Hosted Classes

## Agriculture

### Dairy Cattle Genetics and Reproduction

**Prerequisite(s):** None

**Grades:** 11-12

**Description:** This course prepares the learner to analyze the economic aspect of dairy cow reproduction, explain the reproductive system of a bull, breed cows using artificial insemination, make effective mating decisions, select mating programs for milk production, assess reproductive diseases, treat reproductive diseases, utilize computer technology to document herd health, analyze the effects of hormones on reproduction and analyze reproductive technologies.

**Credits:** High School (0.5), WITC Transcribed Credit (4.0) **Length:** 1 Semester (1<sup>st</sup> Semester) **Host School:** Flambeau

## Foreign Language

### French I

**Prerequisite(s):** None

**Description:** This course is an introduction to the French language and Francophone culture. Students will practice all four communication skills: reading, writing, speaking, and listening. They are expected to try to communicate on familiar topics in French, and by the end of the first year, students can communicate on familiar topics such as self, family, school, hobbies, likes and dislikes.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eau Claire Memorial

### French II

**Prerequisite(s):** French I

**Description:** This course expands those skills learned in French I. As they study Francophone culture, students continue to build communication skills in reading, writing, speaking, and listening. Students are expected to communicate on a variety of familiar topics in French.

**Credits:** High School (1.0) **Length:** Full Year **Host School:** Eau Claire Memorial

## Science

### Survey of Limnology and Oceanography

**Prerequisite(s):** Biology with a "C" or better

**Grade Level:** 11-12

**Description:** Survey of Limnology and Oceanography is designed to be an upper level elective for students who wish to study the biology, chemistry, geology, and physics of aquatic environments. This course offers an opportunity for field and laboratory investigations, thus required school day and/or weekend field trips will be offered. Such opportunities allow students to study live and preserved marine and freshwater organisms, take a virtual trip to explore the Great Barrier Reef, conduct water quality and invasive species field studies, snorkel, etc. Students learn to make informed decisions using critical thinking and scientific problem solving. Furthermore, this course provides a college preparatory delivery, as well as college level textbooks and publications. To learn more about this course, go to [www.SteinbachScience.com](http://www.SteinbachScience.com) and click on the "Survey of Limnology & Oceanography" navigation link on the home page.

**Credit:** High School (1.0) **Length:** Full Year **Host School:** Thorp



## TECHNICAL COLLEGE COURSES

Certified instructors teach these courses from NTC (Northcentral Technical College), Western Technical College, and CVTC (Chippewa Valley Technical College) using technical college books and materials. Students receive regular technical college credit upon completion of the course(s). Upon successful completion of the course, students will receive an official transcript with grade and credit(s) recorded at the technical college. Students enrolled in technical college courses will also receive high school credit (dual credit).

These courses are of college level integrity and rigor. Courses will be taught on the technical college calendar as stated in the course syllabus. Absences due to conflicting high school activities must be pre-arranged with the instructor, and students will be responsible for any missed work.

\*\*Are you wondering how your Technical College course might transfer into one of the UW-System campuses? You can look up specific courses and campuses at this website: [www.uwsa.edu/tis/](http://www.uwsa.edu/tis/). The Transfer Information System (TIS) is managed by the University of Wisconsin System and developed in conjunction with the Wisconsin Technical College System.

### CVTC

#### CAD Basic (606-161)

**Prerequisite(s):** None

**Description:** Basic computer-aided drafting and design (CAD) uses two-dimensional AutoCAD software and commands to create entities, edit, store, and print CAD drawings. Topics include entity creation of arcs, circles, lines, coordinates, editing functions, scaling, making templates, text detailing, layers and line types, viewpoints, model space layout and paper space practices, dimensioning styles, calculation strategies, blocks, groups, libraries, attributes, bills of materials, and plotting to scale. A final project permits the student to apply technical skills to a detailed mechanical design drawing. All assignments are documented within an AutoCAD portfolio. *This class will be taught as a hybrid class – two days per week will be in the video classroom and the rest of the week will be online using E360. AutoDesk provides free educational licenses of its software here:*

<http://www.autodesk.com/education/free-software/all>

**Credits:** CVTC Credit (3.0) **Length:** 1 Semester

#### English Composition 1 (801-219)

**Prerequisite(s):** None

**Description:** Develops critical thinking, reading, writing, and speaking for both exposition and argumentation. Emphasizes clarity, concision, concreteness, synthesis of information, and completeness of expression, supported by reasoning, organization, and language conventions for research, presentations, and other discourse. **English Composition 1 and English Composition 2 equals the required freshman English credits at UWEC, UW-Stout, and UWRF.**

**Credits:** CVTC Credit (3.0) **Length:** 1 Semester

#### English Composition 2 (801-223)

**Prerequisite(s):** 801-136 or 801-219

**Description:** Advances composition skills, emphasizing well-reasoned argumentative research papers. Focuses on critical thinking, college-level discourse, as well as the following modes of literacy: writing, speaking, reading, and listening. Increases understanding and appreciation of the genres through analyzing and writing about fiction, drama, and poetry. Students conduct research using primary and secondary library resources, surveys and questionnaires, observations and interviews, documented in the MLA, APA, or Chicago-style formats. Students develop an appreciation for the stylistic, constructive and linguistic conventions of baccalaureate writing and communication as they apply to their own academic disciplines. **English Composition 1 and English Composition 2 equals the required freshman English credits at UWEC, UW-Stout, and UWRF.**

**Credits:** CVTC Credit (3.0) **Length:** 1 Semester

#### Introduction to Literature (801-204)

**Prerequisite(s):** None

**Description:** Introduction to Literature increases the understanding and appreciation of literary genres through analyzing and writing about non-fiction, fiction, drama, and poetry. Students conduct research using library resources and learn to document in MLA-style format. Students develop an appreciation for the stylistic, constructive, and linguistic conventions of baccalaureate writing and communication.

**Credits:** CVTC Credit (3.0) **Length:** 1 Semester

### **Manufacturing Process & Production (625-121)**

**Prerequisite(s):** None

**Description:** The Manufacturing Skills Standards Council (MSSC) Manufacturing Process and Production certification is built upon standards for foundational skills and knowledge in the manufacturing setting. This certification capitalizes on a blended learning approach, students experience lectures, self-paces studies, online labs, and individual and group activates. Course topics include: machine automation, electrical principles, mechanical principles, pneumatic pressure and flow, bearings and couplings among others. Once the course is completed, students may take the Manufacturing Process and Production certification exam.

**Credits:** CVTC Credit (3.0) **Length:** 1 Semester

### **Marketing Principles (104-102)**

**Prerequisite(s):** None

**Description:** Marketing of products and services. Concentrates on product, price, place, promotion, market segmentation, target marketing, pricing, market research, physical distribution and distribution channels.

**Credits:** CVTC Credit (3.0) **Length:** 1 Semester

### **Medical Terminology (501-101)**

**Prerequisite(s):** None

**Description:** This course focuses on the component parts of medical terms: prefixes, suffixes, and word roots. Students practice formation, analysis, and reconstruction of terms. Emphasis on spelling, definition, and pronunciation. Introduction to operative, diagnostic, therapeutic, and symptomatic terminology of all body systems, as well as systemic and surgical terminology. *This class will be taught as a hybrid class – two days per week will be in the video classroom and the rest of the week will be online using E360.*

**Credits:** CVTC Credit (3.0) **Length:** 1 Semester

### **Native American History (803-214)**

**Prerequisite(s):** None

**Description:** This course is a survey of religion, social structure, art, and intertribal relations of various indigenous peoples within the boundaries of the present-day United States. Emphasis is placed on pre-European settlement; the cultural impact and consequences of European colonization; the 17<sup>th</sup> and 18<sup>th</sup> century wars for empire; forced removal of native peoples; and the establishment of Native American reservations. The course will conclude with an examination of political, economic, and social issues Native Americans face today. **This course meets the diversity requirement for UWEC, UW-Stout, and UWRF.**

**Credits:** CVTC Credit (3.0) **Length:** 1 Semester

### **Quality & Continuous Improvement (625-120)**

**Prerequisite(s):** None

**Description:** The Manufacturing Skills Standards Council (MSSC) Quality and Continuous Improvement certification is built upon standards for foundational skills and knowledge in the manufacturing setting. This certification capitalizes on a blended learning approach, students experience lectures, self-paces studies, online labs, and individual and group activates. Course topics include: performing internal quality audits, calibration of data collection equipment, continues improvement, quality test documentation, and quality maintenance adjustments among others. Once the course is completed, students may take the Quality and Continuous Improvement certification exam.

**Credits:** CVTC Credits (3.0) **Length:** 1 Semester

### **Professional Selling (104-104)**

**Prerequisite(s):** None

**Description:** Acquaints the student with qualifications and personality types needed for selling. Analyzes the basic selling steps - prospecting, pre-approach, approach, presentation, handling concerns, closing and follow-up.

**Credits:** CVTC Credits (3.0) **Length:** 1 Semester

### **Psychology, Introduction to (809-198)**

**Prerequisite(s):** None

**Description:** This introductory course in psychology is a survey of the multiple aspects of human behavior. It involves a survey of the theoretical foundations of human functioning in such areas as learning, motivation, emotions, personality, deviance and pathology, physiological factors, and social influences. Additional topics include research methods, biological and environmental impacts, development, sensation and perception, consciousness, intelligence and stress. This course directs the student to an insightful understanding of the complexities of human relationships in personal, social, and vocational settings. Instructors may require students to use E360, an online learning tool, to access some instructional resources.

**Credits:** CVTC Credit (3.0) **Length:** 1 Semester (2<sup>nd</sup> Semester)

### **Race and Ethnicity in the U.S. (809-272)**

**Prerequisite(s):** None

**Description:** Examination of racial and ethnic minority groups in the U.S. (Native, African, Hispanic and Asian Americans) and the causes, impacts and costs of individual and institutional prejudice, discrimination and racism in American society. Course will also explore how class, gender, and sexuality intersect with race and ethnicity. **This course meets the diversity requirement for UWEC, UW-Stout, and UWRF.**

**Credits:** CVTC Credit (3.0)    **Length:** 1 Semester

### **Sociology, Introduction to (809-196)**

**Prerequisite(s):** None

**Description:** Basic study of the role of society, culture and socialization in shaping individual behavior and societal institutions. Emphasis is placed upon applying sociological principles to both students' job settings and to their interpersonal relationships. Instructors may require students to use E360, an online learning tool, to access some instructional resources.

**Credits:** CVTC Credit (3.0)    **Length:** 1 Semester

### **Spanish in the Workplace (802-103)**

**Prerequisite(s):** None

**Description:** Introductory conversational Spanish for the person whose business works with Spanish-speaking employees and/or customers. Emphasis is on everyday language usage and interaction rather than a formal grammar approach.

**Length:** 1 Semester

## **NTC**

### **Agriculture**

#### **Intro to Animal Science** (Online)

**Prerequisite(s):** None

**Description:** Introduces the basics of livestock management. Examines management of the dairy herd with concentration on nutrition, feedstuff's classification, reproduction, genetics, animal behavior, animal health and sustainable agriculture practices. Learners will explore basic husbandry and care procedures for animals. This is offered in an online format.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### **Business**

#### **Accounting** (Blended after 10:30 am or Online)

**Prerequisite(s):** None

**Description:** Introduction for those with no background and a refresher for those with limited background in accounting fundamentals. Analyze and record routine transactions. Complete year-end adjustments and financial statements for a single-owner service-oriented business. Study of the accounting cycle to include those special transactions, calculations, and variations of financial statements appropriate for a single-owner retail firm. Students in this course will study accounting, concentrating on the efficient management, recording, and adjusting of current assets.

**Credits:** NTC Credit (4.0)    **Length:** 1 Semester

#### **Marketing Principles** (Blended)

**Prerequisite(s):** None

**Description:** We are all affected by marketing activities on a daily basis, both in our workplace and as consumers. In this course, we will explore consumer demographics, lifestyles and decision making; evaluate product distribution, promotion and price planning; and critique a strategic marketing plan.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

#### **Introduction to Business** (Blended or Online)

**Prerequisite(s):** None

**Description:** Business is a part of everyone's daily life--as employees, consumers and owners. In this course, you will explore the environment, human side and functional approach to business.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

#### **Introduction to Computer Support** (MWF via Blackboard Collaborate or Online)

**Prerequisite(s):** None

**Description:** Introduction to all areas of computer support. Learners will also observe a support professional at work on the job.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### **Principles of Information Security** (Blackboard Collaborate or Online)

**Prerequisite(s):** None

**Description:** An introduction to the various technical and administrative aspects of information security and assurance. This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features.

**Credits:** NTC Credit (2.0)   **Length:** 1 Semester

### **Customer Service** (Blended)

**Prerequisite(s):** None

**Description:** Customer service is much more than answering questions and handling complaints. Research has shown that most often customers choose to spend their money where they get the best service. In this course, we will explore the importance of customer service, understanding and satisfying the customer's needs, and ways to interact with the customer.

**Credits:** NTC Credit (2.0)   **Length:** 1 Semester

## **Health**

### **Medical Terminology** (Blended or Online)

**Prerequisite(s):** None

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

**Credits:** NTC Credit (3.0)   **Length:** 1 Semester

### **Introduction to Health Careers** (Blended or Accelerated)

**Prerequisite(s):** None

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

**Credits:** NTC Credit (1.0)   **Length:** 1 Semester

### **Customer Focused Caregiving** (Online)

**Prerequisite(s):** None

**Description:** This two-credit online course prepares healthcare workers to function professionally in the hospital or clinic environment. It will help healthcare providers to remember there is a person behind the disease. Understanding the experience of illness and disease from the patient's perspective can help health care workers provide reassurance, communicate caring and foster healing of body and mind. Patients who feel listened to and cared for are much more likely to be satisfied customers and return to the agency for their future health care needs.

**Credits:** NTC Credit (2.0)   **Length:** 1 Semester

## **Community Services**

### **Introduction to Human Services** (Blended or Online)

**Prerequisite(s):** This course will involve heavy writing, basic understanding of APA format preferred

**Description:** Examine the evolution of the human services field. Distinguish the various types of human service agencies and occupations available in the field. Demonstrate the qualities of the field professionals. Complete 10 hours of community service at an agency of learners choice outside of class time. Assess boundaries and ethical issues commonly found in the human services professions. Apply reflective practitioner methods.

**Credits:** NTC Credit (3.0)   **Length:** 1 Semester

### **Introduction to Counseling** (Blended or Online)

**Prerequisite(s):** This course will involve heavy writing, basic understanding of APA format preferred

**Description:** Ascertain foundational building block skills in the counseling relationship. Establish therapeutic relationship skills. Apply basic counseling techniques. Evaluate performance through mock counseling sessions and personal experience reflections. Determine issues of boundaries and ethics. Apply reflective practitioner methods.

**Credits:** NTC Credit (3.0)   **Length:** 1 Semester

## **Early Childhood Education**

### **ECE: Foundations of Early Childhood Education**

**Prerequisite(s):** None

**Description:** This 3-credit course introduces you to the early childhood profession. Course competencies include: integrate of strategies that support diversity and anti-bias perspectives; investigate the history of early childhood education; summarize types of early childhood education settings; identify the components of a quality early childhood education program; summarize responsibilities of early childhood education professionals; explore early childhood curriculum models, and analyze the principles of the WI Model Early Learning Standards.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### **ECE: Guiding Child Behavior**

**Prerequisite(s):** None

**Description:** This 3-credit course examines positive strategies to guide children's behavior in the early childhood education setting. Course competencies include: integrate strategies that support diversity and anti-bias perspectives; summarize early childhood guidance principles; analyze factors that affect the behavior of children; practice positive guidance strategies; develop guidance strategies to meet individual needs; create a guidance philosophy.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### **ECE: Curriculum Planning**

**Prerequisite(s):** None

**Description:** This 3-credit course examines the components of curriculum planning in early childhood education. Course competencies include: integrate strategies that support diversity and anti-bias perspectives; examine the critical role of play; establish a developmentally appropriate environment; integrate Developmentally Appropriate Practice (DAP) into curriculum; develop activity plans that promote child development and learning; develop curriculum plans that promote child development and learning across all content areas; analyze early childhood curriculum models.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### **ECE: Art, Music, and Language Arts**

**Prerequisite(s):** None

**Description:** This 3-credit course will focus on beginning level curriculum development in the specific content areas of art, music, and language arts. Course competencies include: integrate strategies that support diversity and anti-bias perspectives; examine the critical role of play; establish a developmentally appropriate environment for art, music, and language arts; develop activity plans that promote child development and learning; analyze caregiving routines as curriculum; create developmentally appropriate language, literature, and literacy activities; create developmentally appropriate art activities; create developmentally appropriate music and movement activities.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

## **Social Science**

### **Introduction to Sociology** (Blended or Online)

**Prerequisite(s):** None

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

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### **Introduction to Psychology** (Blended or Online)

**Prerequisite(s):** None

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

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### **Introduction to Ethics** (Blended or Online)

**Prerequisite(s):** None

**Description:** This course provides a basic understanding of the theoretical foundations of ethical thought. Diverse ethical perspectives will be used to analyze and compare relevant issues. Students will critically evaluate individual, social and/or professional standards of behavior and apply and apply a systematic decision-making process to these situations.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester (1<sup>st</sup> Semester)

### **Economics** (Blended or Online)

**Prerequisite(s):** None

**Description:** This course is designed to give an overview of how a market-oriented economic system operates, and it surveys the factors which influence national economic policy. Basic concepts and analyses are illustrated by reference to a variety of contemporary problems and public policy issues. Concepts include scarcity, resources, alternative economic systems, growth, supply and demand, monetary and fiscal policy, inflation, unemployment and global economic issues.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester (2<sup>nd</sup> Semester)

### **Communication**

\*All NTC Communication classes will require knowledge and use of APA Style Writing. Students are encouraged to complete the Basics of APA Style Writing course in addition to communications course(s).

### **Written Communication** (Blended or Online)

**Prerequisite(s):** None

**Description:** Develops writing skills which include prewriting, drafting, revising, and editing. A variety of writing assignments is designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Also develops critical reading and thinking skills through the analysis of a variety of written documents.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### **English Composition 1** (Blended or Online)

**Prerequisite(s):** None

**Description:** This course is designed for learners to develop knowledge and skills in all aspects of the writing process. Planning, organizing, writing, editing and revising are applied through a variety of activities. Students will analyze audience and purpose, use elements of research format documents using standard guidelines. Individuals will develop critical reading skills through analysis of various written documents.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### **Oral Communication** (Blended or Online)

**Prerequisite(s):** None

**Description:** Focuses upon developing speaking, verbal and nonverbal communication and listening skills through individual presentations, group activities and other projects.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### **Basics of APA Style Writing** (Blended or Online)

**Prerequisite(s):** None

**Description:** Introduces the basics of American Psychological Association (APA) Style writing to help learners in psychology and related fields write term papers, research reports, and journal articles. This course follows the organization of the APA Publication Manual, providing a comprehensive overview of elements of manuscript preparation. Content includes guidance on writing for the social sciences, manuscript structure and content, writing principles and style, the mechanics of APA Style, displaying results, crediting sources and creating a reference list.

**Credits:** NTC Credit (1.0)    **Length:** 1 Semester

## **Science**

### **Principles of Sustainability** (Blended)

**Prerequisite(s):** None

**Description:** Prepares the student to develop sustainable literacy, analyze the interconnections among the physical and biological sciences and environmental systems, summarize the effects of sustainability on health and well-being, analyze connections among social, economic, and environmental systems, employ energy conservation strategies to reduce the use of fossil fuels, investigate alternative energy options, evaluate options to current waste disposal and recycling in the U.S., and analyze approaches used by your community to promote and implement sustainability.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### **Body, Structure & Function** (Online)

**Prerequisite(s):** None

**Description:** Body, Structure and Function is a one-semester course in the structures and functions of the human body. It also integrates and correlates applicable principles and concepts of cell biology and histology.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

## Math

### Trigonometry w/Apps (Blended)

**Prerequisite(s):** Algebra 2 or Pre-Calculus

**Description:** Topics include circular functions, graphing of trigonometry functions, identities, equations, trigonometric functions of angles, inverse functions, solutions of triangles complex numbers, DeMoivre's Theorem, polar coordinates and vectors.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### Calculus (Blended)

**Prerequisite(s):** Pre-Calculus

**Description:** Analyze and graph algebraic expressions, especially conic sections. Develop an intuitive understanding of limits, derivatives and integrals. Apply the derivative and the integral to certain physical problems.

**Credits:** NTC Credit (4.0)    **Length:** 1 Semester

## Sign Language

### Introduction to American Sign Language 1

**Prerequisite(s):** None

**Description:** Focuses on student development of conversational American Sign Language (ASL). Develop an awareness of sign vocabulary, being able to recognize and produce ASL with appropriate non-manual behaviors and grammatical features. Issues related to Deaf culture will also be discussed. Some signing skills recommended.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

### Introduction to American Sign Language 2

**Prerequisite(s):** Introduction to American Sign Language 1

**Description:** Focuses on further student development of conversational American Sign Language (ASL). Develop an increased awareness of sign vocabulary, being able to recognize and produce ASL with appropriate non-manual behaviors and grammatical features. Issues related to Deaf culture will also be discussed.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

## Public Safety

### Current Events in Criminal Justice

**Prerequisite(s):** Students will need to have a high level of reading and writing skills for this course; research will be required

**Description:** Students will explore nine current issues related to law enforcement of today. Students will be given scenarios that speak to those issues and will be expected to research, reflect and eventually respond to those scenarios in a manner that effectively addresses the issues being explored. This is NOT an Intro to Criminal Justice course, but can be used as an elective in many Criminal Justice programs.

**Credits:** NTC Credit (3.0)    **Length:** 1 Semester

## Technical and Trades

### 2D Machine Tool CAD

**Prerequisite(s):** Students must have access to AutoCAD software program

**Description:** In this course you will study the operation and uses of interactive computer graphics systems. You will also develop your basic skills in creating, modifying, editing, storing and plotting 2 dimensional AutoCAD drawings, while using basic knowledge of available hardware and software on assigned projects.

**Credits:** NTC Credit (1.0)    **Length:** 1 Semester

### Photoshop/Image Manipulation (Blended)

**Prerequisite(s):** Familiarity with Macintosh operating system. Students must have access to Adobe Photoshop software program.

**Description:** Students will learn Adobe Photoshop as they create, adjust and manipulate images for print and web. Special attention will be given to image manipulation techniques, color/tonal correction, resolution, and output issues.

**Credits:** NTC Credit (2.0)    **Length:** 1 Semester

### Solidworks (Online, using Adobe Connect for Instructor Assistance)

**Prerequisite(s):** Students must have access to SolidWorks software program

**Description:** Upon completion of this course, the learner will be able to utilize 3-dimensional software SolidWorks to create part models, assemblies, and the subsequent 2D working drawings. This course will begin at an entry-level and progress to a beginning user status. Fundamentals of SolidWorks will be covered and mastered through the creation of various design projects.

**Credits:** NTC Credit (2.0)    **Length:** 1 Semester

### **Digital Photography** (Online)

**Prerequisite(s):** None

**Description:** An introductory look at digital photography as both a hobby and as a profession. The course will cover digital image basics, digital camera features, using digital cameras, photographic techniques, studio photography, basic digital image editing and using and printing digital images.

**Credits:** NTC Credit (3.0)   **Length:** 1 Semester

## **Western**

### **Developmental Psychology (10809188)**

**Prerequisite(s):** Placement Test Scores ACT 13+(Reading), COMPASS 60+(Reading), ASSET 35+(Reading). This class requires student participation online in addition to being an Interactive Distance Learning class. Learn more about Western's online learning resources at [www.westernnc.edu/getready](http://www.westernnc.edu/getready). If you are enrolling in an online or blended class for the first time, you will be required to complete a series of online training modules prior to the start of the class. **Description:** Developmental Psychology is the study of human development throughout the lifespan. This course explores developmental theory and research with an emphasis on the interactive nature of the biological, cognitive, and psychosocial changes that affect the individual from conception to death. Application activities and critical thinking skills will enable students to gain an increased knowledge and understanding of themselves and others.

**Credits:** Western Technical College Credit (3)   **Length:** 1 Semester (2nd Semester-Spring)

### **Economics (10809195)**

**Prerequisite(s):** No test requirements. This class requires student participation online in addition to being an Interactive Distance Learning class. Learn more about Western's online learning resources at [www.westernnc.edu/getready](http://www.westernnc.edu/getready). If you are enrolling in an online or blended class for the first time, you will be required to complete a series of online training modules prior to the start of the class.

**Description:** This course is designed to give an overview of how a market-oriented economic system operates, and it surveys the factors which influence national economic policy. Basic concepts and analyses are illustrated by reference to a variety of contemporary problems and public policy issues. Concepts include scarcity, resources, alternative economic systems, growth, supply and demand, monetary and fiscal policy, inflation, unemployment and global economic issues.

**Credits:** Western Technical College Credit (3)   **Length:** 1 Semester (1st & 2nd Semester)

### **Introduction to Psychology (10809198)**

**Prerequisite(s):** Placement Test Scores ACT 13+(Reading), COMPASS 60+(Reading), ASSET 35+(Reading). This class requires student participation online in addition to being an Interactive Distance Learning class. Learn more about Western's online learning resources at [www.westernnc.edu/getready](http://www.westernnc.edu/getready). If you are enrolling in an online or blended class for the first time, you will be required to complete a series of online training modules prior to the start of the class. **Description:** An introductory course in psychology surveying the multiple aspects of human behavior. It addresses the theoretical foundations of human functioning in such areas as perception, learning, motivation, development, personality, health and pathology, exploring physiological and environmental influences. It directs the student to an insightful understanding of the complexities of human relationships in personal and vocational settings.

**Credits:** Western Technical College Credit (3)   **Length:** 1 Semester (1st & 2nd Semester)

### **Introduction to Sociology (10809196)**

**Prerequisite(s):** Placement Test Scores ACT 13+ (Reading), COMPASS 60+ (Reading), ASSET 35+ (Reading). This class requires student participation online in addition to being an Interactive Distance Learning class. Learn more about Western's online learning resources at [www.westernnc.edu/getready](http://www.westernnc.edu/getready). If you are enrolling in an online or blended class for the first time, you will be required to complete a series of online training modules prior to the start of the class.

**Description:** Introduces students to the basic concepts of sociology: culture, socialization, social stratification, multi-culturalism, and the five institutions, including family, government, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues.

**Credits:** Western Technical College Credit (3)   **Length:** 1 Semester (1st & 2nd Semester)

### **Speech (10801198)**

**Prerequisite(s):** Placement Test Scores ACT 13+ (Reading), COMPASS 60+ (Reading), ASSET 35+(Reading). This class requires student participation online in addition to being an Interactive Distance Learning class. Learn more about Western's online learning resources at [www.westernnc.edu/getready](http://www.westernnc.edu/getready). If you are enrolling in an online or blended class for the first time, you will be required to complete a series of online training modules prior to the start of the class.

**Description:** Explores the fundamentals of effective oral presentation to small and large groups. Topic selection, audience analysis, methods of organization, research, structuring evidence and support, delivery techniques, and other essential elements of speaking successfully, including the listening process, form the basis of the course.

**Credits:** Western Technical College Credit (3)   **Length:** 1 Semester (1st & 2nd Semester)



### **Written Communication (10801195)**

**Prerequisite(s):** Placement Test Scores ACT 19+ (English), COMPASS 75+ (Writing), ASSET 45+ (Writing). This class requires student participation online in addition to being an Interactive Distance Learning class. Learn more about Western's online learning resources at [www.westernnc.edu/getready](http://www.westernnc.edu/getready). If you are enrolling in an online or blended class for the first time, you will be required to complete a series of online training modules prior to the start of the class.

**Description:** Students use the writing process to complete written projects. In the process of doing so, students analyze audience and purpose; generate ideas for writing; employ appropriate rhetorical strategies; research, synthesize, and organize information; use an approved documentation system for research writing; use technology to format documents appropriately; and follow grammar and punctuation rules.

**Credits:** Western Technical College Credit (3)   **Length:** 1 Semester (1st & 2nd Semester)

## **University Credit Courses**

### **UW-Barron County**

#### **English 101 Composition I**

**Prerequisite(s):** A grade of C or better in a basic writing course (ENG 097, ENG 098, or LEA 106 when taken as a three-credit course) or exemption through a sufficiently high placement assessment.

**Description:** A composition course focusing on academic writing, the writing process, and critical reading. Emphasis will be on essays that incorporate readings.

**Credits:** UWBC Credit (3.0)   **Length:** 1 Semester (1st Semester)

#### **English 102 Composition II**

**Prerequisite(s):** A grade of C or better in ENG 101 Composition I or exemption through a sufficiently high placement assessment.

**Description:** A composition course focusing on researched academic writing that presents information, ideas, and arguments. Emphasis will be on the writing process, critical thinking, and critical reading.

**Credits:** 3.0   **Length:** 1 Semester (2nd Semester)

### **UW-Marshfield/Wood County**

#### **BUS 101: Introduction to Business**

**Prerequisite(s):** None

**Description:** Introduction to the role of business in the modern, political, social and economic environments; describes career opportunities.

**Credits:** 3.0   **Length:** 1 Semester

#### **CTA 101: Introduction to Interpersonal Communication**

**Prerequisite(s):** None

**Description:** A course aimed at introducing communication theory, increasing the student's awareness of communication with others in one-on-one situations, and improving personal communication skills. Topics studied include perception, listening, nonverbal communication, language, and conflict management.

**Credits:** 3.0   **Length:** 1 Semester

#### **ENG 101: Composition I**

**Prerequisite(s):** A grade of C or better in a basic writing course (ENG 097, ENG 098, or LEA 106 when taken as a three-credit course) or exemption through a sufficiently high placement assessment.

**Description:** A composition course focusing on academic writing, the writing process and critical reading. Emphasis will be on essays that incorporate readings.

**Credits:** 3.0   **Length:** 1 Semester

#### **ENG 102: Composition II**

**Prerequisite(s):** A grade of C or better in ENG 101 Composition I or exemption through a sufficiently high placement assessment.

**Description:** A composition course focusing on researched academic writing that presents information, ideas and arguments. Emphasis will be on the writing process, critical thinking and critical reading.

**Credits:** 3.0   **Length:** 1 Semester

**ENG 250: Introduction to Literary Studies**

**Prerequisite(s):** Exemption from ENG 098 based on placement test score or completion of ENG 098 or consent of instructor

**Description:** An introduction to the discipline of literary studies through its fundamental approaches to reading, interpreting, and writing about a variety of texts, ranging from the classic to the contemporary with the goal of understating, appreciating and enjoying literature.

**Credits:** 3.0   **Length:** 1 Semester

**HIS 105: History of Western Civilization from Ancient Times to the Era of the Renaissance**

**Prerequisite(s):** None

**Description:** Survey of Western Civilization from ancient times through the Renaissance, emphasizing the distinctive features of Western culture, political development, economic development and the contributions made by non-Western people.

**Credits:** 3.0   **Length:** 1 Semester

**HIS 106: History of Western Civilization from the Renaissance Era to Contemporary Times**

**Prerequisite(s):** None

**Description:** Survey of Western Civilization from the Renaissance to contemporary times, emphasizing the further development of Western culture, political institutions, and economic institutions, including reference to the interaction among the peoples of the modern world.

**Credits:** 3.0   **Length:** 1 Semester

**MAT 110: College Algebra**

**Prerequisite(s):** A grade of C or better in MAT 103B or MAT 105 or placement based on placement test score

**Description:** Definition of function and sequence; linear and nonlinear functions and graphs including logarithmic and exponential function; systems of linear equations and Gauss-Jordan method; theory of polynomial equations; conic sections and optional topics such as mathematical induction, matrix solution of linear systems and Cramer's rule.

**Credits:** 3.0   **Length:** 1 Semester

**POL 104: American Government and Politics**

**Prerequisite(s):** None

**Description:** Analysis of the decision-making structure and processes of American national government, including the roles of parties and interest groups, and the value preferences within American society which affect the formation of public policy.

**Credits:** 3.0   **Length:** 1 Semester

**PSY 202: Introduction to Psychology**

**Prerequisite(s):** None

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

**Credits:** 3.0   **Length:** 1 Semester