



2018-2019

Distance Learning
Course Description Booklet

Course Offerings

High School to High School Classes

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Hospitality Management	12		
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Introduction to Marketing	13	Global Economics	17
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<u>Foreign Language</u>		<u>Advanced Placement</u>	
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Course Offerings

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Course Offerings

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Youth Apprenticeship Program Curriculum

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Advanced Animal Science	10	Business Law (CVTC)	27
Biotechnology	22	Customer Service (NTC)	31
Career Leadership	10	Employability Skills	11, 12
Dairy Cattle Genetics & Reproduction	26	Introduction to Marketing	13
Economics (Western)	37	Intro to QuickBooks (CVTC)	29
Employability Skills	11, 12	Legal Terminology (CVTC)	29
Environmental Science	17, 24	Marketing	13
Exploring Agriscience	22	Marketing II	13
Food Science Technology	10	Marketing Principles (CVTC, NTC)	29, 31
Introduction to Animal Science (NTC)	31	Oral Communication (NTC)	34
Landscaping	22	Payroll Accounting (CVTC)	30
Large Animal Science	22	Speech (NTC, Western, Granton)	35, 38, 14
Leadership and Group Dynamics	22		
Oral Communication (NTC)	34		
Plant Science	24	<u>Health</u>	
Small Animal Science	22	AP Biology	9
Speech (NTC, Western, Granton)	35, 38, 14	AP Psychology	21
		Body, Structure & Function (NTC)	35
<u>Architecture and Construction</u>		Developmental Psychology (Western)	36
Accounting	8, 10, 11, 23	Employability Skills	11, 12
Accounting (NTC)	31	Medical Terminology	9
Accounting II (CVTC, NTC)	27, 31	Medical Terminology (CVTC, NTC)	29, 32
Advanced Accounting	11	Introduction to Psychology (CVTC, NTC, Western)	30, 34, 37
CAD Basics (CVTC)	27	Introduction to Health Careers (NTC)	32
Economics (Western)	37	Customer Focused Caregiving (NTC)	32
Employability Skills	11, 12	Oral Communication (NTC)	34
Introduction to Business	12, 13	Speech (NTC, Western, Granton)	35, 38, 14
Introduction to Business (NTC)	31		
Oral Communication (NTC)	34	<u>Hospitality</u>	
Personal Finance	14, 23	Customer Service (NTC)	31
Physics	17	Employability Skills	11, 12
Speech (NTC, Western, Granton)	35, 38, 14	Food Science Technology	10
Trigonometry	16	Hospitality Management	12
Trigonometry with Apps (NTC)	35	Introduction to Marketing	13
		Marketing	13
		Marketing II	13
<u>Art, AV Technology & Communications</u>		Marketing Principles (CVTC, NTC)	29, 31
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Employability Skills	11, 12	Sports and Entertainment Marketing	14
Introduction to Computer Support (NTC)	31	Sports and Entertainment Management	14
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Game and App Programming	19		
Microsoft Office Suite	8		
Oral Communication (NTC)	34	<u>Information Technology</u>	
Speech (NTC, Western, Granton)	35, 38, 14	Computer Application I	19
Web Page Design	20	Customer Service (NTC)	31
		Economics (Western)	37
<u>Finance</u>		Employability Skills	11, 12
Accounting	8, 10, 11, 23	Intro to Webpage Design & Programming	20
Accounting (NTC)	31	IT-Software Developer Exploration (CVTC)	29
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Advanced Accounting	11	Microsoft Office Suite	8

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Oral Communication (NTC)	34	Advanced Math	15
Speech (NTC, Western, Granton)	35 , 38 , 14	AP Biology	9
AP Statistics	21	AP Calculus	9 , 20 , 21 , 25
Web Page Design	20	CAD Basics (CVTC)	27
Computer Hardware Fundamentals	19	Calculus (NTC)	35
Intro to Information Technology	20	Customer Service (NTC)	31
		Employability Skills	11 , 12
<u>Manufacturing</u>		Oral Communication (NTC)	34
2D Machine Tool CAD (NTC)	36	Physics	17
Advanced Math	15	Solidworks (NTC)	36
AP Calculus	9 , 20 , 21 , 25	Speech (NTC, Western, Granton)	35 , 38 , 14
CAD Basics (CVTC)	27	Trigonometry	16
Calculus (NTC)	35	Trigonometry with Apps (NTC)	35
Computer Applications I	19		
Employability Skills	11 , 12		
Manufacturing Process and Production (CVTC)	29	<u>Transportation, Distribution and Logistics</u>	
Oral Communication (NTC)	34	Computer Applications I	19
Physics	17	Customer Service (NTC)	31
Solidworks (NTC)	36	Economics (Western)	
Speech (NTC, Western, Granton)	35 , 38 , 14	Employability Skills	11 , 12
		Oral Communication (NTC)	34
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<u>Marketing</u>		Introduction to Marketing	37
British Literature	14	Marketing	13
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Intro to Business (NTC)	31	Marketing Principles (CVTC, NTC)	29 , 31
Developmental Psychology (Western)	36		
Economics (Western)	37		
English Composition (CVTC, NTC, Western)	28 , 34 , 37		
Employability Skills	11 , 12		
Intro to Marketing	13		
Marketing II	13		
Marketing Principles (CVTC, NTC)	29 , 31		
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Oral Communications	34		
Physics	17		
Psychology	25		
Intro to Psychology (CVTC, NTC, Western)	30 , 34 , 37		
Intro to Sociology (CVTC, NTC, Western)	30 , 34 , 37		
Sales Presentations	30		
Sports & Entertainment Marketing	14		
Speech (NTC, Western, Granton)	35 , 38 , 14		
U.S. History	25		

Academies and Pathways

CVTC Opportunities (last updated 12/2016)

Early Childhood Education

- Foundations of Early Childhood Education
- Infant and Toddler Development
- Curriculum Planning
- Health, Safety and Nutrition
- Practicum 1

Entrepreneurship

- Introduction to Accounting or Accounting 1
- Introduction to Quickbooks
- Innovative Business Mindset
- Marketing Principles
- Entrepreneurial Ideas
- Entrepreneurial Communications

Healthcare – Exploratory

- Medical Terminology
- General Anatomy and Physiology
- Culture of Health Care

IT-User Support Technician

- Web 1 – HTML & CSS
- Database 1
- Programming Fundamentals

NTC Opportunities

Health

- Intro to Health Careers
- Medical Terminology
- Body, Structure & Function
- Customer Focused Caregiving
- Written Communications
- Intro to Psychology

Early Childhood Education

- Foundations of Early Childhood Education
- Infant and Toddler
- Health, Safety & Nutrition
- Written Communication
- Intro to Psychology

Business Professional

- Accounting 1
- Introduction to Business
- Marketing Principles
- Written Communication
- Intro to Psychology

CADENC Hosted Classes

Business

Accounting

Prerequisite(s): Basic math skills helpful

Grade Level: 11-12

Description: This course prepares the learner to analyze, record, summarize, and interpret accounting information. This course focuses on business transactions, financial statements, merchandising business transactions, internal controls, receivables, and plant assets, and it introduces current liabilities. The learner will prepare accounting transactions for a merchandising business, including month-end transactions and preparation of the financial statements.

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

Accounting I

Prerequisite(s): None

Grade Level: 11-12

Description: This course prepares students to analyze, record, summarize, and interpret accounting information. This course focuses on business transactions, financial statements, merchandising business transactions, internal controls, receivables and plant assets, and it introduces current liabilities. Students taking this class will have a head start on college accounting courses. This course, however, is not just for students pursuing accounting degrees. All students can benefit from the overall understanding of financial management while obtaining 4 elective college credits.

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

Microsoft Office Suite (Online)

Prerequisite(s): Business Technology Essentials or permission of the instructor

Grade Level: 10-12

Description: Proficiency in MS Office is a requirement in many programs of study and occupations today. This course is to provide students with a better understanding of Microsoft Office Suite and how it is used in academic and business environments. The students will become more familiar with the Office user interface and advance their skills in using Word, Excel, PowerPoint, and Access.

Credits: High School (0.5), CVTC Dual Credit (2.0) **Length:** 1 semester (online) **Host School:** Colfax

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

German I

Prerequisite(s): Student must be in good academic standing (3.5 GPA or better) and have no less than a B+ in English. The use of a computer (with Internet access) per student and printer during class time is a must.

Description: This is an introductory German course in which students learn basic vocabulary relating to school, daily routines, free time activities, and likes and dislikes. Students learn how to carry on short conversations and present short narratives in the present tense. German grammar and spelling are also introduced.

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

Health

Medical Terminology

Prerequisite(s): None

Grade Level: 10-12

Description: 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.

Credits: High School (1.0), CVTC Dual Credit (3.0) **Length:** Full Year **Host School:** Colfax

Technology

Drone Technology

Prerequisite(s): None

Grade Level: 11-12

Description: This course focuses on the elements of STEM education. Besides addressing essential theory and design concepts of today's drone technology, this class includes problem solving activities that are aimed at enhancing student understanding. This course is designed to prepare students to successfully pass the FAA's 14 CFR Part 107 Remote Pilot Certification.

Note: Schools participating via DL, have the option to purchase a drone kit (highly recommended). This kit will provide a hands-on approach to apply the science behind the course.

Credits: High School (0.5) **Length:** One semester **Host School:** Augusta

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

CWETN Hosted Classes

Agriculture

Animal Science

Prerequisite(s): None

Description: This course is designed to cover basic animal science topics. Areas to be covered are careers, anatomy, animal behavior and operator safety, feeding and nutrition, genetics, reproduction, biotechnology in livestock production and animal rights/welfare.

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

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.

Credits: High School (0.5) **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.

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

Career Leadership

Prerequisite(s): None

Grades: 9-12

Description: This course will spend significant time on the various learning styles to highlight personal and professional development as students prepare for the world and/or higher education. This advanced course will help you better prepare for life beyond high school and to have a take-charge attitude about life. Time will be spent developing job applications, resumes and portfolios, as well as, preparing for a job interview.

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

Conservation and Natural Resources

Prerequisite(s): None

Description: If you appreciate the outdoors and enjoy using natural resources (fishing or hunting), this class can give you a better understanding of our natural resources and the need to conserve them. Topics include wildlife management, taxidermy, ecology, water resources and pollution, air pollution and land management. Field trips, guest speakers and projects will be included.

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

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): Introduction to Business or approval from teacher

Grades: 11-12

Description: Do you have strong math skills; enjoy working on computers, and like analyzing data? Accounting is an excellent choice for you! This course introduces you to Accounting which includes the accounting cycle of journaling transactions, posting, adjusting and closing entries as well as 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): Microcomputer App I or with instructor consent

Grades: 11-12

Description: Accounting plays a key role in the success of all businesses. It is a building block to owning, operating, and working in business that has its own vocabulary and rules. In this course, you will be introduced to business careers that accounting plays a vital role in. You will learn and apply generally accepted accounting principles in a variety of business types. Some of the skills that you will be practicing include: applying debits and credits, analyzing and recording transactions, reading financial statements, preparing payroll records, and recording sales and cash receipts.

Credits: High School (1.0), Transcribed Credit (4.0) through CVTC **Length:** Full Year **Host School:** Greenwood

Accounting (distance learning or online)

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

Advanced Accounting (distance learning or online)

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

Employability Skills

Prerequisite(s): None

Grades: 9-12

Description: This course is strongly recommended for all students. This course is designed to help all students gain the knowledge and skills necessary to have a successful job, career, and help make the transition into the adult working world. The major goal is to develop desirable personality traits and characteristics essential for success in the business world and to stress good work habits and to

stimulate desirable attitudes toward work. Topics covered include resume and interview skills, work attitude, employer expectations, business manners, time management, and dressing for success.

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

Employability Skills (Online)

Prerequisite(s): None

Grades: 11-12

Description: This class is a must for any individual looking to gain an edge on the competition when looking for a job. Students will explore interests in their possible future occupations and will be given the opportunity to job shadow a work site of interest. Students will learn how to create a resume, cover letter, job application, reference page, and thank you letter. The skill of preparing for an interview will also be covered. The importance of developing soft skills will be emphasized throughout the coursework. An electronic career portfolio will be created that focuses on a student's past, present, and future successes. Up-to-date online technology will be used to develop the portfolio. This is a class that will benefit every student. Companies are looking for individuals who set themselves apart; this class will teach you how to do that. It is strongly suggested that any student wishing to enroll in a School-to-Career program will have completed this class.

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

Entrepreneurship

Prerequisite(s): Introduction to Business

Grades: 11-12

Description: Students in Entrepreneurship will understand the procedures and techniques of owning and running a business. Business topics students will explore include: Business in a Global Economy, Business Organization and Management, and Business Operations and Technology. Students will gain an understanding of the role an entrepreneur has in the economy. A business plan will be created by all students allowing them to investigate the rewards and pitfalls of operating their own business. Any individual thinking about a career in business should be enrolled in this class.

NOTE: Qualified juniors and seniors may receive college credit for this course through CAPP. Credits transfer to all UW System Universities and over 200 nationally.

Credits: High School (0.5), CAPP (3.0) **Length:** 1 Semester **Host School:** Marathon

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

Introduction to Business

Prerequisite(s): None

Grades: 9-12

Description: Are you preparing yourself for a future in business? This course will introduce you to the world of business. Topics that will be covered include: economic concepts, business ethics, entrepreneurship, management, leadership, marketing, human resources, business finance, business careers, buying goods and services, credit, money management, and risk management.

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

Introduction to Business

Prerequisite(s): None

Grades: 9-12

Description: Business activities affect the daily lives of all of us as we work, spend, save, invest, travel, and play. It influences jobs, incomes, and opportunities for personal enterprise. It has a significant effect on the standard of living and quality of life and on the environment in which we live. All students will encounter the world of business and need to be prepared to engage in business activities with confidence and competence. Students will learn how business functions, the role it plays in our society, the opportunities it generates, the skills it requires, and the impact it can have on their own lives and on society, today and in the future. This course will introduce you to the world of business and help prepare you for the economic roles of consumer, worker, and citizen. Topics will include economic systems, business structures, international business concepts, and leadership styles. The purpose of this course is to provide you with an overview of the technology, people, and procedures in today's fast-paced business environment.

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

Introduction to Marketing

Prerequisite(s): None

Grades: 9-12

Description: Did you know that every career requires some degree of marketing skills/knowledge? Marketing affects everyone's daily life. This course is an introduction to the area of marketing within business. The course explores consumer behavior, advertising, promotions, market research, selling, and public relations. Students will understand how economic decision making and marketing activities lead to the creation of products and services. Students will learn the 4 P's of marketing and how they work together. Students will also explore careers in marketing.

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

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) **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

Personal Finance

Prerequisite(s): None

Grades: 11-12

Description: Do you know people who are having problems handling their money? This course will give students the knowledge they need to manage their personal finances throughout their life. Emphasis is placed on career choices, budgeting, and banking services. Students will learn to develop budgets, skills to use credit appropriately, and keep accurate checkbook and other financial records essential to both their personal and professional goals.

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

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

British Literature

Prerequisite(s): None

Grades: 11-12

Description: This course includes reading and discussion of representative British literature (poetry, short stories, novels, and drama) throughout American history. Vocabulary study and composition are incorporated into the discussion and study of literature.

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

Contemporary Nonfiction

Prerequisite(s): None

Grades: 11-12

Description: The focus of this course is on examining contemporary nonfiction literature. Skills focus on careful reading with an examination and 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 questions such as, What is deity? What is a hero? What is the relationship of human to god? What is a myth? What is history? 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

Real World Writing

Prerequisite(s): None

Grades: 11-12

Description: This class is for those students looking to improve their writing skills especially for future career and educational goals. We will look at the building blocks of writing and emphasis structure and form details as well as how we can improve and become better writers. We will look at several model texts and write a variety of both formal and informal writing as well as fiction and non-fiction writing. **Credits:** High School (0.5) **Length:** 1 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

German I

Prerequisite(s): C average or better in English class

Description: You will learn to speak, read, and write German, as well as become familiar with the culture and country of Germany. Fun and interactive classes and assignments will allow you to often speak German and enjoy short stories. Some colleges and universities require two years of a high school foreign language.

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

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

Spanish III

Prerequisite(s): Grade of C or higher in Spanish II

Grades: 11-12

Description: This Spanish course builds on the knowledge and skill students built in Spanish I and Spanish II. Students will begin the year by reviewing vocabulary and phrases, as well as verb conjugations previously learned. Students will then learn more advanced vocabulary, new verb tense conjugations, and more advanced grammar. Students will read Spanish texts to enhance their vocabulary and understanding. Students will also continue to study the culture of Spain and Latin American countries. They will be asked to read, write, speak, and listen to Spanish on a daily basis.

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

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

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 performed 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

Prerequisite(s): Consent of instructor

Description: From its earliest beginnings to the present day, this course surveys the inception, evolution, and development of Rock music in American and abroad. In addition to in-depth studies of Rock music and the artists who created it, students will examine the sociological, political, and economic conditions which influence its development.

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

History of Rock and Roll Part 1

Prerequisite(s): None

Description: This class is a guided tour through the background and history of popular music from the early-mid 20th Century through the mid-1970s. 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, and the Rock Spectrum of the 1970s. 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

History of Rock and Roll Part 2

Prerequisite(s): None

Description: This class is a continuation of the guided tour through the background and history of popular music starting with the mid-1970s through present day. **We prefer that students take Part 1 of this course before this as we will mention topics brought up in Part 1, however it is not required.** The course will mainly focus on the rock and roll genre of music, but may also touch on other genres as they impact rock and roll. Some major topics will include 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

Music Theory I

Prerequisite(s): Students wishing to take this class should be enrolled in a performance ensemble such as band or choir

Description: The objectives of Music Theory 1 are designed to develop in students a thorough understanding of the rules and principles involved in using the language of music; increase their ability to analyze music orally and visually and increase their ability to read music in all clefs. In addition, students will develop skill in composing, arranging, harmonizing, and improvising music and aspects of performance.

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

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 (1st & 2nd 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 (2nd 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 (1st & 2nd 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

Pathophysiology

Prerequisite(s): Previous or current coursework in Anatomy & Physiology as well as Chemistry

Grade Level: 11-12

Description: A fascinating and in-depth look at the changes (deviations from normal) produced by a wide variety of common diseases, disorders, and injuries affecting humans throughout their lifespan. There will be a little review of normal structure and function, some laboratory work, and field trip opportunities.

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

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

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: This course uses the perspective of political institutions to explore government history, organization, and functions. Students encounter the political culture of our country from the Declaration of Independence to the present day, gaining insight into the challenges faced by Presidents, members of Congress, and other political participants. The course also covers the roles of political parties, interest groups, the media, and the Supreme Court. Students learn to use primary historical documents as evidence in evaluating past events and government functions. This course will culminate in a Civics Exam which meets graduation requirements per the Wisconsin DPI.

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 (2nd 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 20th 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 Applications I

Prerequisite(s): None

Grades: 9-12

Description: This course will help you use features of Word and Excel 2016 by creating and editing 2 to 3 page documents for a variety of purposes and situations. You will also create and edit a workbook with multiple sheets, and use a graphic element to represent data visually. Students who successfully complete Computer Applications I and II will be eligible to test for Microsoft Office Specialist (MOS) Certification or individual certifications. Course is limited to 18 students.

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

Computer Hardware Fundamentals

Prerequisite(s): None

Description: Students in Computer Hardware Fundamentals Level 1 will learn the terms, concepts and functions of personal computers, both as stand-alone devices and as networked components. Students will demonstrate knowledge, proper function, and use of computer internal and external components, system configuration, data backup, virus protection, command line and simple networks. This course can help students prepare for CompTIA’s A+ Certification exams, and serves as an NTC dual credit course.

Credits: High School (0.5), NTC Dual Credit (3.0) **Length:** 1 Semester (2nd Semester) **Host School:** Marathon

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

Introduction to Information Technology

Prerequisite(s): None

Description: A career in the computer sciences continues to be growing at a rapid rate. Learn the basics with this introduction to the world of computer science. This course takes a hands-on approach to show how a computer works on the inside and the concepts that drive our technologies. Students will learn the basic skills necessary to understand computer hardware, physical makeup, as well as understanding how a computer works, and communicates with other devices through local wired and wireless networks. Students will research careers that are available in the tech field, as well as understand the modern concept of computer security. Learn the basics and take a step closer to your future in technology.

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

Intro to Website Design & Programming

Prerequisite(s): Computer Applications I or approval from instructor

Grade: 11-12

Description: This course introduces students to basic web design using HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets). The course does not require any prior knowledge of HTML or web design. Throughout the course, students are introduced to planning and designing effective web pages; implementing web pages by writing HTML and CSS code; enhancing web pages with the use of page layout techniques, text formatting, graphics, images, and multimedia; and producing a functional, multi-page website. You will also have an introduction to computer programming through codecademy.com. A certain amount of artistic planning goes into making a website, so many art students will also be interested in taking this course.

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

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:** Full Year **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

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 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 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. In addition to being an AP class this class is also dual credit through Northcentral Technical College (NTC) and any student that gets over an 80% in the class will get 3 college credits from NTC in the field of psychology, which is a required course at most colleges.

Note: This class does not guarantee college credit. The student either has to get an 80% or higher or complete the AP Psychology exam. Admission into this course will be competitive in nature. The AP test costs about \$90.

Credits: High School/AP Credit (1.0)/NTC Dual Credit (3.0) **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

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

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

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

Accounting

Prerequisite(s): None

Description: Congratulations! You have taken the first step to being more financially aware and to understand the American economy. This class will take you through the steps of how businesses report and record their income and output of money. In addition, you will review (learn) how to balance your checkbook. By completing this course, you will receive credit through Western Technical College and could receive credit from other colleges, if they allow it.

Credits: High School (1.0), Transcribed Credit (3.0) through Western **Length:** Full Year **Host School:** Arcadia

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 (2nd Semester) **Host School:** Arcadia

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

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 (2nd semester) **Host school:** ACHM

Child Development

Prerequisite(s): None

Description: This class will help students to develop an understanding of prenatal care, fetal development, pregnancy and birth, bonding and infant development, health/safety needs, and the care of young children from birth through age six. Through class discussion and individual and group projects, students will study the development and care of young children focusing on issues that relate to their development. Occupations in early childhood fields will be explored. This course is required of any individual taking Assistant Child Care Teacher who wishes to obtain certification.

Credits: High School (0.5) Transcribed Credit (3.0) through Western **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

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

Heredity and Genetics

Prerequisite(s): Biology (grade C or better or instructor consent)

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

Zoology

Prerequisite(s): Biology (grade C or better or instructor consent)

Grades: 11-12

Description: Zoology explores the organisms of the animal kingdom, from microscopic to mammals. Focus will be on the adaptations and complexity of each order of animals and the characteristics that divide them into taxonomic categories. If we have time we will also explore animal behavior and training. The sequence of topics is similar to that covered in most college introductory biology courses.

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

Social Studies

History 201: United States History to 1877

Prerequisite(s): Must have taken and completed a yearlong US History class in high school

Grades: Must be a junior or senior and be accepted into the University of Wisconsin-Oshkosh

CAPP Requirements: Must meet at least ONE of the following three requirements

1. Class rank in the top 25%
2. GPA of a 3.25 or above on a 4.0 scale
3. ACT score of 24 or higher with one of the following...
 - a. Rank in top 50%
 - b. GPA 2.75 or above

Description: US History 201 is a course being offered through the Cooperative Academic Partnership Program at the University of Wisconsin-Oshkosh.

This course is designed to introduce students to the political, economic, and cultural events and problems in American history up to 1877. This college-level survey will provide students with analytical skills, factual knowledge, and writing abilities necessary to

investigate and understand the nation's political, diplomatic, intellectual, cultural, social, and economic history from inception to 1877. Major areas of concentration include: voyages of discovery and early European settlement in North America; colonial rivalries; the struggle of English colonies for independence, expansion and development of young republic; crisis of Civil War; and finally, reconstruction.

Credits: High School (0.5), CAPP (3.0) **Length:** 1 Semester **Host School:** Whitehall

History 202: United States History since 1877

Prerequisite(s): Must have taken and completed a yearlong US History class in high school

Grades: Must be a junior or senior and be accepted into the University of Wisconsin-Oshkosh

CAPP Requirements: Must meet at least ONE of the following three requirements

1. Class rank in the top 25%
2. GPA of a 3.25 or above on a 4.0 scale
3. ACT score of 24 or higher with one of the following...
 - a. Rank in top 50%
 - b. GPA 2.75 or above

Description: US History 202 is a course being offered through the Cooperative Academic Partnership Program at the University of Wisconsin-Oshkosh.

This course is designed to introduce students to the political, economic, and cultural events and problems in American history since 1877. This college-level survey will provide students with analytical skills, factual knowledge, and writing abilities necessary to investigate and understand the nation's political, diplomatic, intellectual, cultural, social, and economic history from 1877 to the present. Major areas of concentration include: The Forging of an Industrial Society, Expansion of America, Struggle for Justice Home and Abroad, and Making of Modern America.

Credits: High School (0.5), CAPP (3.0) **Length:** 1 Semester **Host School:** Whitehall

Psychology

Prerequisite(s): None

Grades: 11-12

Description: The curriculum provides an overview of basic psychological concepts such as brain development, function, personality, altered states of consciousness, and abnormal behaviors. Students are expected to design, execute, present, and experiment. Writing skills are emphasized in this course.

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

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 students 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

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 and 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 (1st 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

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/. The Transfer Information System (TIS) is managed by the University of Wisconsin System and developed in conjunction with the Wisconsin Technical College System.

CVTC

Academic Success Strategies (890-205)

Prerequisite(s): None

Description: This one credit course covers success strategies for academic, professional, and life contexts. Students will learn about the academic community, and they will learn strategies and tactics related to effective studying, time management and prioritization, and problem solving. Emphasis will be placed on service learning and community involvement.

Credits: CVTC Credit (1.0) **Length:** 1 semester

Accounting II (101-113)

Prerequisite(s): 101-111 Accounting I

Description: This course presents basic concepts for partnerships and corporations. It introduces current liabilities, bonds, cash flow statement preparation, financial statement analysis, cost-volume profit, and budgeting. The course includes a practice set in which the student records transactions, records adjusting entries, and prepares financial statements for a corporation.

Credits: CVTC Credit (4.0) **Length:** 1 semester

Business Law (102-160)

Prerequisite(s): None

Description: Learners will survey several basic topics including the legal and ethical environments of business, the historical and constitutional foundations of law relating to business, torts that occur in business environment, contracts, intellectual property, business organizational structures, and law relating to employment relationships.

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

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.

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

ECE: Foundations of Early Childhood Education (307-148)

Prerequisite(s): None

Description: This course introduces you to the early childhood profession. Course competencies include: integration 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.

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

ECE: Health, Safety, and Nutrition (307-167)

Prerequisite(s): None

Description: This course examines the topics of health, safety, and nutrition within the context of the early childhood educational setting. Course competencies include: integrate strategies that support diversity and anti-bias perspectives; follow governmental regulations and professional standards as they apply to health, safety, and nutrition; plan a safe early childhood environment; plan a healthy early childhood environment; provide nutritionally sound menus; examine Child Abuse and Neglect (CAN) issues and mandates; apply Sudden Infant Death Syndrome (SIDS) risk reduction strategies; incorporate health, safety, and nutrition concepts into the children's curriculum.

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

ECE: Infant and Toddler Development (307-151)

Prerequisite(s): None

Description: In this course you will study infant and toddler development as it applies to an early childhood education setting. Course competencies include: integrate strategies that support diversity and anti-bias perspectives; analyze development of infants and toddlers (conception to three years); correlate prenatal conditions with development; summarize child development theories; analyze the role of heredity and the environment; examine culturally and developmentally appropriate environments for infants and toddlers, examine the role of brain development in early learning (conception through age three); examine care giving routines as curriculum.

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

English Composition 1 (801-219)

Prerequisite(s): ACT English 16 or higher; ACT Individual Writing 6 or higher; Accuplacer Writeplacer 4 or higher; Accuplacer Sentence Skills 72 or higher; Compass Writing 60 or higher; high school GPA 2.6 or higher

Description: English Composition 1 develops critical thinking, reading, writing, and speaking for both exposition and argumentation. The course emphasizes college-level writing skills supported by reasoning, organization, and language conventions for research, presentations, and other discourse.

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

English Composition 2 (801-223)

Prerequisite(s): Completion of Written Communication (801-195), English Composition (801-136) or English Composition 1 (801-219) with a grade of C or better

Description: English Composition 2 advances composition skills, emphasizing well-reasoned argumentative writing. This course focuses on critical thinking and college-level discourse. Students conduct research using library and web-based sources, observations, and interview, using a formal documentation style. Students will read and analyze professional non-fiction texts to understand how writers develop and present ideas through writing.

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

Entrepreneurial Communication (145-104)

Prerequisite(s): None

Description: In this course, students will develop the soft skills that are essential for entrepreneurs: networking, formal and informal presentations, professional business writing, and listening. Students will establish a mentor relationship which will be maintained for the remainder of the program. Students will identify local resources available for entrepreneurs. Ideas in this course will be used and refined in the capstone course.

Credits: CVTC Credit (2.0) **Length:** 1 semester

Entrepreneurial Ideas (145-103)

Prerequisite(s): None

Description: In this course, students will generate ideas for entrepreneurial businesses, analyze market conditions, and determine the opportunities that exist for an entrepreneurial venture. Students will learn about lean startups and determine the product-market fit/viability of the business idea. Ideas in this course will be used and refined in the capstone course.

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

Innovative Business Mindset (102-130)

Prerequisite(s): None

Description: In this course, students will define the traits and mindset of entrepreneurs. Students will use tools to determine their personal entrepreneurial traits. Students will examine a variety of entrepreneurial companies (small, social, and global). Students will understand the difference between entrepreneurs and intrapreneurs. Students will evaluate existing business plans.

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.

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

Intro to QuickBooks (101-149)

Prerequisite(s): Introduction to Accounting or Accounting 1

Description: This is a computerized accounting course where the student is expected to have a basic understanding of the accounting fundamentals to be applied to the QuickBooks bookkeeping system. The learner will post transactions within the system including receiving for cash sales and sales on account as well as purchasing on account and with cash. The learner will also perform the bank reconciliations and financial statement preparation with the QuickBooks system.

Credits: CVTC Credit (2.0) **Length:** 1 semester

IT-Software Developer Exploration (152-102)

Prerequisite(s): None

Description: This is an introductory course that explores programming concepts, examines career possibilities for graduates of the Software Developer degree, and looks at current and future trends of the information technology industry.

Credits: CVTC Credit (1.0) **Length:** 1 semester

Legal Terminology (106-162)

Prerequisite(s): None

Description: Emphasis is placed on developing an understanding of legal terminology through the study of law itself and on using legal terminology in many different ways. Legal terminology covers general law terms as well as specialized legal terminology. A sound knowledge of terminology is the key foundation for anyone considering a career in the legal or business world.

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 activities. 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: A comprehensive look at marketing concepts and functions. Concepts include: marketing mix, marketing decision making, segmentation, promotion, research, product development, distribution, and logistics. Marketing Principles introduces modern marketing practices, studies the essential role played by marketing in society, as well as techniques used for various industries.

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

Medical Terminology (501-101)

Prerequisite(s): None – However, students should have basic computer literacy skills and basic knowledge of Microsoft Office Suite to aid in success.

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.

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 17th and 18th 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.

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

Operating Systems (152-106)

Prerequisite(s): None

Description: This course is designed to be a student's introduction to computer concepts and operating systems. Students learn fundamental computer concepts including: operating systems concepts; computer hardware components; file and disk management; OS and software installation and upgrades; Windows, Linux, and OSX command line interfaces; networking and file sharing; security; operating system monitoring and maintenance; and automation and virtualization. By the end of the course students will be able to maintain their own computer and use these concepts in future courses.

Credits: CVTC Credit (2.0) **Length:** 1 semester

Payroll Accounting (101-121)

Prerequisite(s): None

Description: The learner will make the necessary payroll calculations including Social Security taxes, Federal Income Tax withholding taxes, other payroll deductions. The learner will study payroll record keeping, maintain employee earnings records, record payroll journal entries, prepare federal payroll forms, and generate payroll reports. A comprehensive payroll project is required.

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

Sales Presentations (104-104)

Prerequisite(s): None

Description: Learn to develop sales presentations to professionally present to a variety of stakeholders. Effectively develop a consultative presentation, customer service strategy from approach, needs identification, demonstration, and negotiation, closing and servicing the sale. Apply persuasive marketing techniques to effectively pitch ideas to a target audience.

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.

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

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

Prerequisite(s): None

Description: Course introduces learners to the study of racial and ethnic diversity in the United States. The course begins with basic concepts and language, and examines how race and ethnicity are socially constructed and maintained. It discusses the causes, impacts and reduction of racism using related theories. It explores the socio-history of US minority groups: Native American, African American, Hispanic/Latino American, Asian American, and Arab American as well as the European/white ethnic groups. Dominant-subordinate relation, intersectionality and other aspects of group dynamics are identified. In addition to an analysis of majority/minority relations in a multicultural context, the related topics of gender, class, sexual orientation, disability, and religion are explored.

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

Sociology, Introduction to (809-196)

Prerequisite(s): None

Description: In what ways does society impact our behaviors? To what extent do social forces and expectations guide personal behaviors, and conversely, do personal behaviors shape society? This course introduces students to the basic concepts of sociology, including culture, race, socialization, gender, group behavior, deviance, social stratification, and social change. Students will use the sociological perspective to analyze major social institutions, multiculturalism, and social issues affecting our selves and society. Students will participate in a variety of experiences to strengthen and demonstrate these perspectives and skills. Critical thinking skills are emphasized, and learning activities include applying sociological theory to current issues in society. The focus is on how social factors and forces influence beliefs and behaviors, both in our personal lives and at work.

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

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 1 (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

Accounting 2 (Blended or online)

Prerequisite(s): Accounting 1

Description: Expands on the accounting concepts presented in Accounting 1. Introduces the learner to fixed assets, intangible assets, current and payroll liabilities, Partnerships, Corporations, bonds, the Statement of Cash Flows, and financial statement analysis. Demonstrate achievement by completion of various projects.

Credits: NTC Credit (4.0) **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

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

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 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

Office 2013 Level 1 (Blended or Online)

Prerequisite(s): None

Description: Introduces the learner to the fundamental skills of Word, Excel and PowerPoint using Office 2013. The learner will create, edit and format documents, and basic formulas and functions to spreadsheets and learn how to design effective presentations. Projects include a variety of documents suitable for coursework, professional purposes and personal use.

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

Office 2013 Level 2 (Blended or Online)

Prerequisite(s): Office 2013 Level 1

Description: Extends the student's basic knowledge of Office 2013 using Word, Excel and PowerPoint. Also, students will be acquainted with proper procedures to create more advanced documents, workbooks and presentations suitable for course work, professional purpose and personal use.

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

Web Design 1 (Blended or online)

Prerequisite(s): None

Description: Introduces Hypertext Markup Language (HTML), Cascading Style Sheet (CSS) coding techniques and the development of text content to communicate clearly, concisely and effectively on the web. Learners will create/modify web pages using HTML tags and style the web pages with CSS. Additionally, learners will create and edit text content. For the final course project, learners will create a personal website portfolio. Additional topics include: copyright considerations, text editors, FTP utilities and browser tools.

Credits: NTC Credit (3.0) **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 surveyed 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 (Blended or 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

The following three ECE classes will be offered in a year-long sequence. Successful completion of all three courses earns students NTC's Early Childhood Licensing Basic Ages 0-2 state certificate, which is eligible for ACT 59 incentive grant reimbursement under currently release guidelines.

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:** Approximately 11 weeks – part 1 of ECE sequence

ECE: Infant and Toddler

Prerequisite(s): None

Description: In this 3 credit course, you will study infant and toddler development as it applies to an early childhood education setting. Course competencies include: integrate strategies that support diversity and anti-bias perspectives, analyze development of infants and toddlers (conception to three years), correlate prenatal and postnatal conditions with development, summarize child development theories, analyze the role of heredity and the environment, examine culturally and developmentally appropriate environments for infants and toddlers, examine the role of brain development in early learning (conception through age three) and examine care giving routines as curriculum.

Credits: NTC Credit (3.0) **Length:** Approximately 11 weeks – part 2 ECE sequence

ECE: Health, Safety & Nutrition

Prerequisite(s): None

Description: This 3-credit course examines the topics of health, safety and nutrition within the context of the early childhood educational setting. Course competencies include: integrate strategies that support diversity and anti-bias perspectives, follow governmental regulations and professional standards as they apply to health, safety and nutrition, plan a safe and healthy early childhood environment, plan nutritionally sound meals, examine Child Abuse and Neglect (CAN) issues and mandates, apply Sudden Infant Death Syndrome (SIDS) risk reduction strategies and apply strategies to prevent occurrence of Shaken Baby Syndrome (SBS) and incorporate health, safety and nutrition concepts into the children's curriculum.

Credits: NTC Credit (3.0) **Length:** Approximately 11 weeks – part 3 of ECE sequence

Social Science

Cents and Sensibility (Blended or Online)

Prerequisite(s): None

Description: Economic Skills is a practical study of consumer problems and consumer choice. This course is designed in an individualized, self-paced format with emphasis on developing the skill of consumer decision-making. Selected topics include: budgeting and family resource management, sources of consumer information, help in solving consumer problems and consumer decision-making in such areas as transportation, insurance, financial institutions, consumer goods and services, housing and credit.

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

Introduction to Diversity (Blended or Online)

Prerequisite(s): None

Description: Introduces learners to the study of diversity from a local to a global environment using a holistic, interdisciplinary approach. Encourages self-exploration and prepares the learner to work in a diverse environment. In addition to an analysis of majority/minority relationships in a multicultural context, the primary topics of race, ethnicity, age, gender, class, sexual orientation, disability and religion are explored.

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

Introduction to Ethics: Theory & App (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 a systematic decision-making process to these situations.

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 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

Think Critically and Creatively (Blended or Online)

Prerequisite(s): None

Description: This course provides instruction on the vital, realistic and practical methods of thinking which are in high demand in all occupations of substance today. Decision making, problem solving, detailed analysis of ideas, troubleshooting, argumentation, persuasion, creativity, setting goals and objectives and more are considered in depth as the student applies specific thinking strategies and tools to situations in a wide variety of workplace, personal, academic and cultural situations. Classroom instruction is demonstration, discussion, project, and teamwork based. Assignments range from the short and simple to the detailed and complex. Reality and practicality are the focuses all through the course. These skills are in high demand by employers. Having this course in your background can significantly enhance your appeal as an employee. It certainly will make you a more adept and confident person.

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

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

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

Speech (Blended or Online)

Prerequisite(s): None

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

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

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

College Algebra with Applications (Blended or online)

Prerequisite(s): None

Description: This course covers those skills needed for success in Calculus and many application areas on a baccalaureate level. Topics include the real and complex number systems, polynomials, exponents, radicals, solving equations and inequalities (linear and nonlinear), relations and functions, systems of equations and inequalities (linear and nonlinear), matrices, graphing, conic sections, sequences and series, combinatorics and the binomial theorem.

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

Calculus (Blended)

Prerequisite(s): High School level 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

Intermediate Algebra with Applications (Online)

Prerequisite(s): None

Description: This course offers algebra content with applications. Topics include properties of real numbers, order of operations, algebraic solution for linear equations and inequalities, operations with polynomial and rational expressions, operations with rational exponents and radicals, algebra of inverse, logarithmic and exponential functions.

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

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

Sign Language

American Sign Language 1

Prerequisite(s): None

Description: Focuses on interactions using ASL among learners who have little or no knowledge of ASL and Deaf culture. Learners will learn the skills needed to communicate comfortably in a variety of situations. Cultural information is included throughout the course. Learners will interact with the Deaf community in a way that demonstrates their cultural awareness and respect.

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

American Sign Language 2

Prerequisite(s): ASL 1

Description: Acquires additional language functions, grammar structures, cultural behaviors and conversation strategies. This is the second of two American Sign Language courses. Challenge test available.

Credits: NTC Credit (2.0) **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 Reading 13+, COMPASS Reading 60+, ACCUPLACER Reading 70+. 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.westernctc.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): Placement Test Scores ACT Reading 13+, COMPASS Reading 60+, ACCUPLACER Reading 70+. 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. 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)

English 1 (20801201)

Prerequisite(s): Placement Test Scores ACT Reading 17+ and English 19+, COMPASS Reading 75+ and Writing 75+, ACCUPLACER Reading 70+ and Sentence Skills 80+. 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. 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: English 1 is designed to help students use the writing process to strengthen and refine their writing skills. Students will use critical reading, thinking, and research skills to produce writing that illustrates their ability to effectively analyze information, synthesize information from sources, and ultimately, produce polished prose suitable for various purposes and audiences. This class assumes competence in English grammar and paragraph structure.

Credits: Western Technical College Credit (3) **Length:** 1 Semester (1st Semester-Fall)

English 2 (20801203)

Prerequisite(s): English 1 (20801201). 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. 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: Advanced Composition continues the study of expository writing for students who wish to attain advanced skills in managing the written language. Students learn critical reading and thinking skills, including textual analysis and evaluations.

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

English Composition 1 (10801136)

Prerequisite(s): Placement Test Scores ACT Reading 13+ and English 19+, COMPASS Reading 60+ and Writing 75+, ACCUPLACER Reading 70+ and Sentence Skills 80+. 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. 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 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, and format documents using standard guidelines. Individuals will develop critical reading skills through analysis of various written documents.

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

Introduction to Psychology (10809198)

Prerequisite(s): Placement Test Scores ACT Reading 13+, COMPASS Reading 60+, ACCUPLACER Reading 70+. 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. 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 Reading 13+, COMPASS Reading 60+, ACCUPLACER Reading 70+. 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. 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 Reading 13+ and English 16+, COMPASS Reading 60+ and Writing 56+, ACCUPLACER Reading 70+ and Sentence Skills 55+. 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. 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)

University Credit Courses

CPS 110 Introduction to Computer Science

Prerequisite(s): MAT 105

Description: How computers work, communicating with computers, areas of application and significance, simple Algebraic Language programming, elementary data processing and problem solving. Instruction and significant experience in BASIC. Students may not receive credit for both CPS 110 and either of CPS 103 or CPS 130.

Credits: UW Colleges Credit (3.0) **Length:** 1 Semester (1st and 2nd Semester)

ENG 101 College Writing and Critical Reading

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: UW Colleges Credit (3.0) **Length:** 1 Semester (1st Semester)

ENG 102 Critical Writing, Reading, and Research

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: UW Colleges Credit (3.0) **Length:** 1 Semester (1st and 2nd Semester)

ENG 203 Creative Writing I

Prerequisite(s): Exemption from ENG 101 through a sufficiently high placement assessment, or completion of ENG 101

Description: Chiefly devoted to writing and studying one or more of the following: fiction, poetry and drama.

Credits: UW Colleges Credit (3.0) **Length:** 1 Semester (2nd Semester)

ENG 204 Creative Writing II

Prerequisite(s): ENG 102 and ENG 203

Description: Chiefly devoted to writing and studying one or more of the following: fiction, poetry and drama.

Credits: UW Colleges Credit (3.0) **Length:** 1 Semester (2nd 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: UW Colleges Credit (3.0) **Length:** 1 Semester (2nd Semester)

EGR 105 Engineering Fundamentals

Prerequisite(s): MAT 105 or concurrent enrollment

Description: This course is designed to equip engineering students with the necessary tools and background information to prepare them to be successful engineering students as well as a successful practicing engineer. Topics covered in this course include project management, team work, technical writing, working with data and using spreadsheets, creating presentations, engineering design, and a thorough understanding of the engineering profession. A student may not receive credit for EGR 100 or EGR 102 or EGR 103 and EGR 105.

Credits: UW Colleges Credit (3.0) **Length:** 1 Semester (1st Semester)

GEO 101 Introduction to Cultural Geography

Prerequisite(s): None

Description: A survey of world patterns of culture, such as population, language, religion, urban and rural settlement, and their causal relationships, emphasizing the global diversity of world cultures, contrasting world views and the issues thus raised.

Credits: UW Colleges Credit (3.0) **Length:** 1 Semester (1st Semester)

GEO 125 Physical Geography

Prerequisite(s): None

Description: The geography of Earth's physical characteristics, including weather and climate, climate types, water, soils, Earth materials, landforms, and Earth resources, study of the processes and interactions creating Earth's physical geographic patterns. Two or four hours of lab per week depending on the credit. Field trip(s) may be required. May not be taken for credit by student who have had GEO 120, GEO 123, or GEO 124

Credits: UW Colleges Credit (4.0-5.0) **Length:** 1 Semester (2nd Semester)

HIS 101 History of the United States: From the Era of the Columbian Exchange to the Era of the Civil War

Prerequisite(s): None

Description: A survey of American political, economic, social, and intellectual history from the Age of European Exploration and the period of colonization to the era of the American Civil War. As an Ethnic Studies (ES) course, this course thoroughly integrates the experiences of African Americans, Native American, Hispanics, and/or Asian Americans into US history in a manner that fosters understanding and appreciation of the perspectives and experiences of at least two of these groups as well as their contributions to and interactions within American society.

Credits: UW Colleges Credit (3.0) **Length:** 1 Semester (1st Semester)

HIS 102 History of the United States: From the Era of the Civil War to the Present

Prerequisite(s): None

Description: A survey of American political, economic, social, and intellectual history from the era of the Civil War to the Present. As an Ethnic Studies (ES) course, this course thoroughly integrates the experiences of African Americans, Native American, Hispanics, and/or Asian Americans into US history in a manner that fosters understanding and appreciation of the perspectives and experiences of at least two of these groups as well as their contributions to and interactions within American society.

Credits: UW Colleges Credit (3.0) **Length:** 1 Semester (2nd 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: UW Colleges Credit (3.0) **Length:** 1 Semester (1st 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: UW Colleges Credit (3.0) **Length:** 1 Semester (2nd 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: UW College Credit (3.0) **Length:** 1 Semester (1st Semester)

MLG 100 Introduction to Meteorology

Prerequisite(s): None

Description: The study of the conditions and the processes of the atmosphere that constitute weather. This includes both description and explanation of the various atmospheric processes. Topics include: solar energy budget, heating of the atmosphere, temperature, air pressure, winds, atmospheric moisture, precipitation, air masses, fronts, mid-latitude cyclones, thunderstorms, tornadoes, hurricanes, analysis of weather maps and forecasting.

Credits: UW College Credit (3.0-4.0) **Length:** 1 Semester (2nd Semester)

PHI 101 Introduction to Philosophy

Prerequisite(s): None

Description: An introduction to philosophy as an activity of clarifying ideas, developing and evaluating positions and arguments, and thinking critically about the Big Ideas That Matter, such as right and wrong, free will, God, the good life, knowledge, truth, education, and rationality. Typically involves reference to the leading figures and schools of thought in the history of philosophy.

Credits: UW College Credit (3.0) **Length:** 1 Semester (1st Semester)

PHI 202 Feminist Philosophy

Prerequisite(s): None

Description: An introduction to feminist philosophies through a study and critique of traditional and feminist views about women, their lives, society, and knowledge, with particular attention to theories of women's oppression.

Credits: UW College Credit (3.0) **Length:** 1 Semester (2nd Semester)

POL 231 Sex, Power, and Public Policy

Prerequisite(s): None

Description: Examination of controversial issues of gender that affect equality and power. Includes women's movement and the search for equality, justice, and freedom. Examines political and judicial policies that exemplify success and failure.

Credits: UW College Credit (3.0) **Length:** 1 Semester (2nd Semester)