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RECOMMENDED COURSES FOR UNIVERSITY OR TECHNICAL COLLEGE ADMISSION

University Admission

Colleges and Universities establish admission standards based a combination of factors including ACT/SAT scores, class rank, rigor of high school courses taken, grade point average and other factors that the college believes would be a benefit to the school. The following high school courses/credits should be considered the **minimum** for admission to a college or university. Additional information is available in the Student Services office and on line. The UW-System maintains the <http://uwhelp.wisconsin.edu> as a source of information for students, parents and other interested parties. The "Introduction to the UW System booklet," available in the Student Services office, gives the admission requirements for each of the UW-System colleges.

Directions to On-Line applications and additional information may be obtained in the Student Services Office.

University Recommended Preparatory Course Work

17 college prep credits is the minimum needed for acceptance to a UW-system school.

<u>Subject</u>	<u>Credits</u>
English	4 (emphasis in literature and composition)
Math	4 (Algebra-level courses and above. Intermediate Algebra I and Intermediate Algebra II together will count as one college math prep course. Lifetime Math is not considered a college prep math course. Technical math is acceptable for a technical college)
Science	3+ (Animal Science and Horticulture are not considered college prep science courses)
Social Studies	3+ (Consumer Economics and Street Law are not considered college Prep social studies courses)
College Prep Electives	4+ (Elective credits can be chosen from additional English, math, science, social studies, foreign language, fine arts, and computer science. Courses of a general nature are generally not accepted as college prep classes. **Some UW-System universities may accept vocational courses for a portion of these four credits).

*Currently, UW-Eau Claire and UW-Madison require 2 credits in a single Foreign Language for admission. It is also strongly recommended at other UW system campuses.

Technical College Admission

Each technical college establishes its own admission criteria. The admission requirements for the same program differ from technical college to technical college therefore, it is to your advantage to become aware of and understand the policies of each technical college. Since technical colleges grant admission to programs on a first come first serve basis and since many programs have a waiting list (the program is filled) and applicants have to wait until an opening occurs, applying early is essential. NTC will take applications as soon as the junior year is complete, others won't accept applications until a specific date in the senior year. *See your counselor for information and assistance.* Technical colleges are, in many instances, as challenging as universities and success in a technical college depends on a strong high school background. The following should be considered the minimum credits that need to be earned in each subject area.

Technical College Recommended Preparatory Course Work

<u>Subject</u>	<u>Credits</u>
English	4 (emphasis in work-related writing skills)
Math	4 (especially in the senior year)
Science	3
Social Studies	3
Technical Courses	3-4

Example: business, family and consumer ed., computers, technology, agriculture, health, and financial.

For specific information regarding entrance requirements, please see your high school counselor.

Directions to On-Line Applications and additional information may be obtained in the Student Services Office.

Academic Program Guidelines

Schedule Requirements

All full-time students attending Colby High School in grades 9-12 will be required to take at least six (6) classes per semester. Students will not be allowed to take more than one study hall per semester. Students of a junior or senior status may TA or Tutor/Mentor for one class period per semester.

Academic Program Approval

A counselor and parent or guardian must approve programs of studies.

Dropping/Adding Classes

When a student selects courses during registration, that student is obligated to complete that schedule of courses. While students may be allowed to make course changes prior to the start of any semester, changes in certain courses will not be permitted. Since courses are offered based on student requests, a student who selects a class with a low enrollment may not be able to drop that course.

Approval is required to change any course after the first full week of the semester (not to exceed 10 class days). Students who drop or are removed from a course after the 10 day period will receive an “F” on their transcript, unless it is waived by the administration.

Schedule changes will be considered if one of the following conditions is met:

1. The course was entered incorrectly by school personnel.
2. The student is not eligible for the course.
3. Schedule change is necessary to enable the student to graduate.
4. Extenuating circumstances including health, injury or other unusual situation.
5. The student failed the first semester of a year long course.
6. It is recommended by staff or administration.

Recognition of Graduation

Graduation from Colby High School will be recognized by the issuance of a diploma at the graduation ceremony. Students who attend four years of high school but fail to meet the credit requirements will NOT participate in the graduation ceremony.

Graduation Requirements – 24 Credits

Required: 15.5 Credits Electives: 8.5 Credits

These requirements are effective for the graduating class of 2015, 2016 & 2017.

*See * for more details regarding classes of 2014.*

Language Arts:

4.0 credits from the following:

English 9-10-11:

1.0 credit each

Communication (Speech, Composition or Creative Writing and Presentation)

**Class of 2014 must take Speech*

.5 credit

Students must pass .5 credit of English during the senior year in one of these classes:

Composition, Creative Writing and Presentation, Great Novels, Contemporary Literature, British and World Literature, Classical Mythology and Short Stories, UWMWC-English 102 or UWMWC-English 250. If a student is graduating at semester of his/her senior year, the English elective may be taken in the junior year of studies.

.5 credit

Social Studies:

3.5 credits from the following:

Citizenship:

1.0 credit

World History

1.0 credit

U.S. History or Advanced U.S. History

1.0 credit

Personal Finance or Economics

.5 credit

It is highly recommended that students take an additional course in:

Psychology, Introduction to Sociology, Current Affairs, Street Law, Economics, Personal Finance

Class of 2014 must take one of the above **bolded social studies courses*

**Class of 2014 is only required to take .5 semesters of citizenship*

Science:

3.0 credits from the following:

Physical Science

1.0 credit

Biology

1.0 credit

Also 1.0 credit from the following: **Chemistry, AP Chemistry, Physics, Anatomy & Physiology,**

Horticulture I, Animal Science

Mathematics:

3.0 credits

Physical Education:

1.5 credits

Health Education:

.5 credit

=15.5 Required Credits

Co-Curricular Activities

All CHS students are encouraged to get involved in extra-curricular student activities. These activities give students a chance to develop interests and skills, meet new people, learn cooperation and teamwork, promote positive and healthy self-esteem, and create memories which will be treasured long after graduation. Research indicates that students who get involved in extra-curricular activities will enjoy school more and will maintain, if not increase, grade point average. CHS staff believes that the more students enjoy school, the better the student will perform in all areas of their education.

The following is a list of possible activities that students can be involved in throughout the year.

Fall	Winter	Spring	Year-Long
Cross Country Football Girls' Swim Team Girls' Volleyball Pom Pon	Boys' Basketball Girls' Basketball Wrestling Forensics Madrigals	Baseball Golf Softball Track Water Ballet Forensics	Yearbook Chess Club FBLA FCCLA FFA Masquers (plays and musicals) NHS Skills USA HMV Spanish Club Student Council Color Guard

Activities which serve both the school and the community:

Yearbook Production, School Newspaper (Hornet Highlights) and Media Productions

Youth Options Program

The Youth Options Program allows high school juniors and seniors who meet certain requirements to take one or more courses at a UW institution, a Wisconsin Technical college or other participating institutions of higher education.

The Colby School District will cover the cost of the courses scheduled provided the school board determines the course is eligible for high school credit and the course is not comparable to a similar course offered at Colby High School. The student will receive both high school and post-secondary credit for a successfully completed course.

Students interested in pursuing Youth Options **must submit to the Student Services office a completed Youth Options Form before March 1 for students planning on taking courses during the first semester of the following year and before October 1 for students planning on taking courses during the second semester.**

There is a **required meeting** of student, parent(s), an administrator and a counselor before the student will be approved for Y/O. Students will be informed of a time window during which this meeting must be held and it is the student's responsibility to arrange a time for this meeting.

It must be noted that each participating institution sets its own criteria and YO students may not be able to take certain courses and they may be limited as to the number of courses they will be permitted to take.

Early Graduation Policy

The Early Graduation Program allows seniors who have completed all components of the graduation requirements to graduate at the end of the first semester of their senior year. Students who intend to graduate early must schedule a meeting with an administrator, a counselor and a parent. This meeting **must be scheduled one full semester prior to the semester in which graduation is intended.** A window to schedule this meeting will be announced following the first semester of the student's junior year. Students who graduate early will receive a diploma at the traditional graduation ceremony in the spring.

It should be noted that post-secondary institutions discourage early graduation, believing students are better prepared for college by taking a full schedule of courses during the senior year of high school.

Four Year Plan Schedules (Required classes listed)

Freshman

1.	English 9	English 9
2.	Citizenship	Citizenship
3.	Physical Science	Physical Science
4.	Math: Intermediate Algebra I Algebra I Algebra II	Math: Intermediate Algebra I Algebra I Algebra II
5.	Fit Frosh	(Speech required for class of 2014) (Communications course required for classes of 2015, 2016 & 17 once throughout high school career)
6.		
7.		
8.		

Sophomore

1.	English 10	English 10
2.	World History	World History
3.	Biology	Biology
4.	Math: Intermediate Algebra II Algebra I Algebra II	Math: Intermediate Algebra II Algebra I Algebra II
5.	Health & Fitness	
6.		
7.		
8.		

Junior

1.	English 11 or 11B	English 11 or 11B
2.	U.S. History or Advanced U.S. History	U.S. History or Advanced U.S. History
3.	Science elective	Science elective
4.	Math elective	Math elective
5.	Physical Education	Social Studies Elective (required for classes 2014)
6.		
7.		
8.		

Senior

1.	English Elective	Personal Finance or Economics
2.	Physical Education	
3.		
4.		
5.		
6.		
7.		
8.		

AGRICULTURE AND NATURAL RESOURCES

18001G/17103

Plants, Animals and You

Prerequisite: None
One semester: .5 Credit
Open to Grades 9-10

The exploding world of agriculture is examined in this introductory class. "Learning by Doing" activities will provide exposure to various areas of agriculture. Areas to be covered include careers, FFA, plant science, horticulture, animal science, outdoor recreation, and natural resources. A special focus of this class is your importance and personal involvement in America's #1 industry.

18053G/17113

Horticulture I

Prerequisite: Plants, Animals and You
One semester: .5 Credit
Open to Grades 9-12

If you like growing and working with plants, this is the class for you! Students will explore horticultural career opportunities, study basic plant growth and soils, propagation, gardening practices, landscape planning and plant identification. This class will be using the greenhouse for many lab activities.

**This class has been approved as a science equivalent course by the DPI and is also listed in the science section.*

18053E/17213

Horticulture II

Prerequisite: Horticulture I (no exceptions)
One semester: .5 Credit
Open to grades 10-12

An advanced course for those interested in the horticulture industry. Students will be able to apply skills attained in Horticulture I in many "learning by doing" projects. Students will have the opportunity to manage the greenhouse in production of either poinsettias or bedding plants. Topics include greenhouse management units such as design, production and marketing of indoor and outdoor foliage plants. Additional topics include ornamental arrangement designs, pruning techniques and extensive landscape design and development.

18101G/17133

Animal Science

Prerequisite: Plants, Animals and You
One semester: .5 Credit
Open to Grades 9-12

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.

** This class has been approved as a science equivalent course by the DPI and is also listed in the science section.*

18102G/17123

Small Animal Veterinary Science

Prerequisite: Plants, Animals and You
One semester: .5 Credit
Open to grades 9-12

Opportunities in the animal industry range from owning a pet shop to working as a zookeeper, from breeding cats to working with exotic animals. The course will include units on dogs, cats, horses, and other companion animals. Companionship, breeds, proper health care, nutrition, breeding, showing, careers, and animal rights/welfare will be discussed.

18103G/17153**Dairy/Horse Science (2014-2015 School Year)**

Prerequisite: Plants, Animals and You
One semester: .5 Credit
Open to Grades 9-12

The dairy industry is more than milking cows. This class is all about Wisconsin's # 1 industry. Students will learn about careers, breeds, reproduction, milk secretion, feeding, and diseases. Additional units will be on current issues of this fascinating industry. Students will also experience hands on work with artificial insemination. This course will also take you through all aspects of the horse industry from feeding and hoof care to riding for pleasure and for show. A highlight of this class will be a field trip to a riding stable and a horseback riding experience.

18203G/17313**Leadership**

Prerequisite: Open to all students who hold leadership positions in school or community organizations. Other students who wish to enroll must receive permission from the instructor.
One semester: .5 Credit
Open to Grades 10-12

This course is designed to focus on the importance of leadership skills and provide practical hands-on activities. Careers, scholarship opportunities, team building, conflict resolutions, entrepreneurship, and successful management practices are just a few of the topics to be covered. Students enrolled in this class will also be trained as a mentor through the Project PALS program and will be provided the opportunity to work with younger students.

18303G/17193**Crops and Soils (2013-2014 School Year)**

Prerequisite: Plants, Animals and You
One semester: .5 Credit
Open to grades 9-12

Soil is a resource on which we depend in many ways. This class focuses on the way we rely on soil and the complexity of this resource. Topics include soil properties, erosion, plant nutrition, soil organisms, classification and judging. This class also features crops grown in Wisconsin. Topics include corn, small grains, forages, and a special unit on weeds. Students will learn about seed selection, soil and climate needs, basic management, and insect and disease control. Speakers and special projects will also be included.

18306G/17303**Aqua Tech**

Prerequisite: Plants, Animals and You
One semester: .5 Credit
Open to Grades 9-12

This course deals with the cultivation and propagation of aquatic plants and animals. Topics include career opportunities, history, identification of plant and animal species, economics, regulations, diseases, nutrition, management practices, and designing aquatic structures and equipment. Projects include fish taxidermy, fly fishing and fly fishing demonstrations.

18401G/17333**Ag Mechanics**

Prerequisite: Welding
One semester: .5 Credit
Open to Grades 11-12

This laboratory course is designed to provide students with introductory level experiences in selected major areas of agricultural mechanics technology which may include engine maintenance and repair, metal fabrication, electrical wiring, maintenance of agricultural machinery, equipment and tractors. Learning activities include information, skill development and problem solving. During this course students will rebuild a tractor or a piece of agriculture equipment and fabricate parts to restore it.

NOTE: This class is also listed in the tech ed section.

18502G/17173**Forestry (2014-2015 Year)**

Prerequisite: Plants, Animals and You
One semester: .5 Credit
Open to grades 9-12

The majority of Wisconsin woodlots are privately owned. This course introduces the student to the principals behind good forest and woodlot management. Areas to be covered are: career opportunities, forest products, forest laws and policies, tree structure and growth, tree identification, tree measurement and chainsaw use and safety. When possible, the school forest will be used in the instruction of this class.

18504G/17183**Conservation & Natural Resources
(2014-2015 School Yr.)**

Prerequisite: Plants, Animals and You
One semester: .5 Credit
Open to Grades 9-12

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.

18404G/16331-16332**TC Welding/General Shop**

Prerequisite: Materials & Processes: Metals I
One Year: 1 Credit
Open to Grades 10-12

Welding is a metal fabrication and basic construction course. Included are units in welding where students receive experience in arc and oxyacetylene welding. Accelerated students also receive experience on the TIG and MIG machines. Students will do a project. **There will be a \$10.00 fee for projects.**

*NOTE: The Welding class has been approved as a transcribed credit class through NTC.
TC available to juniors and seniors only. Additional work may be required.*

NOTE: This class is also listed in the tech ed section and the transcribed credit section.

18404E/16351-16352**Advanced Welding General Shop**

Prerequisite: Welding/General Shop
One Year: 1 Credit
Open to Grades 11-12

Welding is a metal fabrication and basic construction course. Included are units in welding where students receive experience in arc and oxyacetylene welding. Accelerated students also receive experience on the TIG and MIG machines. Students will do a project. **There will be a \$10.00 fee for projects.**

NOTE: This class is also listed in the tech ed section.

BUSINESS

12051G

Introduction to Business

Prerequisite: None
One Semester: .5 Credit
Open to Grades: 9-12

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.

12054G

Business and Personal Law

Prerequisite: Introduction to Business
One semester: .5 credit
Open to Grades: 10-12

This business law course is designed to teach students about the legal aspects they will face in personal, consumer and business law. The course gives practical knowledge that ranges from signing a lease for an apartment rent to the legal implications of borrowing a friend's car. These concepts are explained through the text content, real-life situations, vocabulary and realistic chapter activities.

12164H

TC Principles of Marketing

Prerequisite: None
One semester: .5 Credit
Open to Grades: 10-12

Did you know that four out of five careers deal with marketing? Start preparing yourself for your future with marketing I. Marketing is a project-centered course. Topics covered through this course include product/service management, distribution, selling, marketing-information management (MIM), financing, pricing, promotions and careers in marketing. Leadership skills will also be practiced in this course through solving business problems, public speaking and role playing.

NOTE: The principles of marketing class has been approved as a transcribed credit class through NTC. TC available to juniors and seniors only. Additional work may be required.

NOTE: This class is also listed in the transcribed credit section.

12163G

Sports/Entertainment Marketing

Prerequisite: Principles of Marketing
One semester: .5 Credit
Open to Grades: 10-12

This course will give you a real-world understanding of how marketing concepts and theories are applied to the Sports and Entertainment industry. Sports/Entertainment marketing is a project-centered course. Topics covered will include basic marketing, target marketing, sponsorship, event marketing, promotions, major and minor league sports, music and movie marketing, hospitality and tourism marketing and careers in sports/entertainment marketing.

22210G/14403

Personal Finance/Consumer Economics

Prerequisite: none
One Semester: .5 Credit
Open to Grades: 10-12 (*required if Economics is not taken*)

Personal Finance is designed to prepare students for the real economic world they will face upon graduation. Areas of emphasis include taxes, checking accounts, banking, credit, advertising, insurance, investments, budgets, consumer purchasing and fundamental principles of economics.

NOTE: This class is also listed in the social studies credit section.

12104G

Accounting I

Prerequisite: None
One Year: 1 Credit
Open to Grades: 10-12

Accounting has been called the “language of business.” This class teaches the basics of the double-entry system of accounting used more than 95% of today’s businesses.

Students will learn how various business transactions affect the profits and losses of a business. This course familiarizes students with business documents such as balance sheets, income statements, journals, ledgers and work sheets. Accounting assists in preparing students for post-secondary business programs, employment in entry-level positions or using accounting for personal transactions. Students use both manual and automated procedures to develop an understanding of accounting systems.

11101G/10241-10242

Student Publications

Prerequisite: Successful completion of English 9
One Year: 1 Credit
Open to Grades 10-12

This course requires students to have a high interest in writing. The majority of the class is run as a lab, with the main focus being the publication of the “**Hornet Highlights**” school newspaper. The course provides students an opportunity to improve their writing, editing, verbal and cooperation skills. In the course of the class, students will be required to report, write, take photos, organize, layout and distribute the newspaper. At such a high level of production, cooperation and a strong work effort is needed; students who fall below a “C” at the end of the semester will be asked to drop the class. A major portion of the grade is based on quality of writing, ability to work under time constraints, as well as participation and effort toward production. Out of class time or after school time

10004G

Computer Applications/Computer Essentials (NEW COURSE!)

Prerequisite: None
One Semester: .5 Credit
Open To Grades: 11-12

This course is essential for all students – not just those planning a career in business. This course will be very helpful to the student entering the job market after graduation to the student enrolling in a two or four-year college and to the student planning to pursue technical training. Students will increase their knowledge of word processing software, presentation software, spreadsheet software and publishing software. We will be using Microsoft Office Suite.

10254H

TC IT Essentials: PC Hardware and Software (NEW DISTANCE LEARNING COURSE!)

Prerequisite: None
One Semester: .5 Credit
Open To Grades: 11-12

The IT Essentials curriculum provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level information and communication technology (ICT) professionals. The students will learn basic computer concepts, identify all parts of a PC, identify and troubleshoot common PC hardware problems, and select quality PC’s based on performance and cost. In addition the curriculum covers the fundamentals of PC technology, networking, and security, and also provides an introduction to advanced concepts. Students who complete this course will be able assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Hands-on labs and Virtual Laptop and Virtual Desktop learning tools help students develop critical thinking and complex problem-solving skills. The course helps students prepare for the Comp TIA A+ certification which helps students differentiate themselves in the marketplace to advance their careers. Students should have basic PC usage skills for this course.

*NOTE: This class has been approved as a transcribed credit class through NTC.
TC available to juniors and seniors only. Additional work may be required.
NOTE: This class is also listed in the transcribed credit and DL section.*

ENGLISH

01051G/10121-10122

English 9

Prerequisite: None
One year: 1 Credit
Grade 9

Focus will be on the elements of the short story, novel, drama, poetry and essay. Students will conclude *The Miracle Worker* unit with a researched project on a disability, including a printed handout and powerpoint with oral presentation. Students will read a variety of novels which will be supplemented with informational readings. Advanced students will be able to supplement their readings with selected readings with a common plot or theme, and do Moodle work with the teacher. An introduction to Shakespeare will include the study of *Romeo and Juliet* and the year will conclude with *Great Expectations*. Throughout the year, work will be done on grammar and critical reading skills, as needed.

01002G/10231-10232

English 10

Prerequisite: None
One year: 1 Credit
Grade 10: (10 or 10A Required)

English 10 covers the basic principles of grammar, literature, and writing. A job unit and career paper is also included.

01054B/10321-10322

English 11B

Prerequisite: None
One year: 1 Credit
Grade 11: (11 or 11B Required)

American Literature is the study of the subject from Puritan times to the 20th Century. Major American authors, short stories, poems, and plays are included in this course of study. There will be a major emphasis on practical writing and editing. Research is also required. This course is designed for students with language arts difficulties.

01054G/10311-10312

English 11

Prerequisite: None
One year: 1 Credit
Grade 11: (11 or 11B Required)

American Literature is the study of the subject from Puritan times to the 20th Century. Major American authors, short stories, poems, plays, and books are included in this course of study. There will be a major emphasis on essay and persuasive writing. Students also study research techniques. This class works at a faster pace and covers additional readings.

01151G/10153

Speech I

Prerequisite: None

One semester: .5 Credit

Open to Grades 9-12 (Required for grade 2014)

This class meets the communications requirement beginning with the class of 2015

Speech I studies the basic process of communication. Most of the semester will encompass public speaking situations, listening skills, group discussion, and interpersonal communication.

01151E/10163

Speech II

Prerequisite: Speech I

One semester: .5 Credit

Open to Grades 10-12

Speech II studies the basic concepts of speech. The first few weeks are a review of Speech I. The course will include parliamentary procedure, job interviewing, commencement speeches, as well as additional speaking situations.

is required.

NOTE: The following English classes meet the senior English requirement if taken during the senior year of high school. Students taking the English courses listed below during the junior year must select a course from the other literature courses during their senior year with the exception of students graduating at semester.

01104G

Creative Writing and Presentation

Prerequisite: None

One semester: .5 credit

Open to Grades 10-12

This class meets the communications requirement beginning with the class of 2015

Designed to allow students an opportunity to express their thoughts through writing short stories, poems, and one-act plays. Class time will include teaching techniques, peer editing and class discussion as different styles of writing are explored. The format will include daily writing of individual and group projects, along with analytical reading of the craft of published writers. The semester will culminate with a printed book of work for a portfolio, as well as a presentation of the one act plays directed by the authors and performed in the school theatre for public attendance.

01102G/10443

Composition I

Prerequisite: English 9 and 10

One Semester .5 credit

Open to grades 11-12 This course is highly recommended as a junior elective for college bound students.

This course is designed to prepare students for college and the writing that is expected at that level. Students will read expository, narrative, descriptive, and persuasive literature and write a variety of analytical and personal essays, as well as work at the critical analysis of literature. Several representative works from various genres and periods are also studied intensively and extensively. A major goal is to help students develop stylistic maturity and rhetorical effectiveness in their writing. *Students who wish to pursue college-level study while still in high school should take this course. This course must be taken, and grade of a B or above earned, in order to enroll in the ENGL 110 course offered through UW-Eau Claire.*

01101G**Foundations of English
(Replaces Contemporary Literature)**

Prerequisite: English 10
One Semester .5 Credit
Open to Grades 11-12

This class is suggested for students planning to enter the job market, military, training programs or technical schools that require familiarity with various forms of informational writing. Students will continue to improve their ability to produce writing that is clear, organized, grammatically correct, and purpose/result driven. Writing assignments will include letters, job application essays, emails and basic informational essays. Students will read short pieces of writing, including newspapers and magazines and review critical thinking reading skills.

NOTE: This course is highly recommended for those students who wish to pursue post-secondary studies at a technical college. This class will prep students for technical college entrance exams such as the Accuplacer.

01063G/10413**Classical Mythology & The Short Story**

Prerequisite: English 9, with a grade of B+ or higher
One Semester .5 Credit
Open to Grades 10-12

Recommended for technical and college bound students, this course studies the evolution of the short story from the classical Greek gods and fables, and how they became part of the epic *The Odyssey*. Continued study of the short story will trace its origins from Biblical stories and folktales, to the development of the 19th Century genre, with focus on classic contemporary short stories. Students will get an in depth study of the elements of the short story with attention paid to the Southern Gothic subgenre and its features, in the 20th Century. Students will use Moodle Forums to provide answers to discussion questions, as well as to view and reply to their peers. In addition to a topic choice of finals (Greek mythology, *The Odyssey*, or a short story evaluation), students will present a project from choices ranging from writing a short story to creating a mythological kingdom.

01061G/10423**Multicultural Novels
(Formally Titled Great Novels)**

Prerequisite: English 10
One Semester .5 Credit
Open to Grades 11-12

Novels of ethnic and cultural diversification will be read, studied and compared, with discussions, mini-essay quizzes and a culminating analytical essay. Focus will be on the classics, including *The Good Earth*, *Fahrenheit 451*, and works by and about Chinese, Japanese, African, Hispanic, Korean, Russian, and Indian cultures.

01056E/10433**British and World Literature**

Prerequisite: English 10
One Semester .5 Credit
Open to Grades 11-12

The beginning of English literature will be studied starting with the Anglo-Saxon Period (Beowulf, Anglo-Saxon riddles), The Medieval Period (Canterbury Tales, Sir Gawain, Le Morte d'Arthur), the Renaissance (Hamlet, poetry of that era, Doctor Faustus), and limited readings from the Seventeenth and Eighteenth Centuries (Gulliver's Travels, Modest Proposal, and poetry), the Romantic Period (*Frankenstein*, "The Rime of the Ancient Mariner") and the Victorian Era (Jane Eyre and poetry). Throughout the studies, the development of the English language with its changes will be studied. Contrast-comparison and literary essays will be written. Recommended for technical and college bound students.

51053G

Graphic Novels: Images for Social Justice (NEW DISTANCE LEARNING CLASS)

Prerequisite(s): None
One Semester: .5 Credit
Open to: Grades 11-12

Students will discover that literature can take various forms as they read a variety of graphic novels dealing with social issues of alienation, prejudice, gender bias, love, war, culture shock, poverty, being different and fitting in. Through unique visual/word arrangements these media texts will help students analyze literacy elements, character and contrast, opinion, and problem/solution essays. In addition, student writers will consider the use of visual elements such as color, shading, panel layout, perspective, and font style as they read and create original graphic novels.

Note: This course is also listed in the distance learning section



01103H UWMWC English 102 - Composition

Prerequisite: Placement Test (see counselor). Online special student application and submission of transcripts.

One Semester: DUAL CREDIT .5 CHS credit – 3.0 university credits

Open to Grade: 12

A rhetoric course that focuses on writing which presents information, ideas, and arguments, with attention to the essay and techniques of documentation. Emphasis will be on academic writing which is applicable across the curriculum.

NOTE: This class is also listed in the DL-university credit section.



01053H

UWMWC English 250 –

Introduction to Literary Studies

Prerequisite: Placement Test (see counselor). Online special student application and submission of transcripts.

One Semester: DUAL CREDIT .5 CHS credit – 3.0 university credits

Open to Grade: 12

Intensive analysis of literature, including poetry, drama and fiction, using representative types from several periods of literature.

NOTE: This class is also listed in the DL-university credit section.

FAMILY AND CONSUMER EDUCATION

22202G/19103

Basic Foods

Prerequisite: None
One Semester: .5 Credit
Open to Grades 9-12

Basic Foods is designed for students who want a basic knowledge of nutrition, food and food preparation. Units include use of ranges, microwave cooking, quick breads, fruits, egg cookery, pizzas, meal preparation and nutrition. Students work in groups to prepare a variety of foods for each unit. Special emphasis is on safety, use and care of equipment, sanitation, time management and wise use of resources.

22202E/19123

Family Foods

Prerequisite: Basic Foods (or be a Junior or Senior)
One Semester: .5 Credit
Open to Grades 9-12

The emphasis in Family Foods is on food as it relates to the individual and the family. Units include protein cookery (meat, ground beef, fish, and poultry), yeast breads, pastry and pies, cakes, food preservation, vegetables, salads and outdoor cookery. All units incorporate use and care of equipment, microwave cooking, nutrition, meal planning and wise use of resources.

22202E/19133

World of Foods

Prerequisite: Basic Foods (or be a Junior or Senior)
One Semester: .5 Credit
Open to Grades 9-12

The focus of World of Foods is on food as it relates to society and the world, with special emphasis on career and vocational opportunities. Units include: use and care of small appliances, dietary needs throughout the life cycle, food technology, additives, labeling, convenience foods, ethnic foods and hospitality. A food-marketing project is included and a field trip taken with money earned. The major work in this class involves group and individual projects using a combination of food labs as well as written and oral reports.

19207G

Fashion Design and Interior Decorating

Prerequisite: None
One Semester: .5 Credit
Open To Grades 9-12

This course begins with a project researching the History of Fashion. We look at the four major body shapes and how they influence what we wear. Using the elements of principles of design we design patterns. The class has a short unit on fashion designers and figure analysis. Interior Decorating covers both housing and home interiors concepts. Housing concepts taught in this course include: buying and renting a home, homes of the future, furniture selection, styles and arrangement, fireplaces and home heating systems, individual room study (bathroom, kitchens), floor covering and home storage. Emphasis is on new housing technology inside and outside the home.

22201G

Life Skills (NEW COURSE!)

Prerequisite: None
One Semester: .5 Credit
Open to Grades 9-12

To successfully live and develop yourself into the best person that you can possibly be is the goal of this semester long class. Making good choices, learning how to be a good citizen, learn how to care for yourself, and how to handle stress are some units covered. This is a beginning level course for students who want a basic knowledge of nutrition, food preparation, shopping skills, sewing basics, career choices, and money matters.

22204G/19203**Parents and Children**

Prerequisite: None
One Semester: .5 Credit
Open to Grades 10-12

Parenting is a one-semester class designed to study concepts related to parents and children in today's society. A wide variety of topics are explored including reasons people have children, adoption, foster care, family forms, reproductive options, pregnancy, childbirth, infant and child care, including physical, social, intellectual and emotional development. Special emphasis is given to readiness and responsibilities of parenting, communication and discipline skills. Other areas of study include special needs children, abuse, single parenting, and childcare outside the home and career opportunities. Developing effective and nurturing parenting skills is the major goal of this course.

08016G/20323**Food & Fitness**

Prerequisite: P.E. 9
One Semester: .5 Credit towards PE
Open to Grades 10-12

Food and Fitness is a one semester elective class that will fulfill .5 credit toward the 1.5 credits required for graduation. This class will have an applied/integrated approach that combines physical education and the foods area of family and consumer education. The course will include exercise programs, nutritional/diet issues including sports nutrition, diabetes, heart disease, allergies, eating disorders, and life cycle concerns. It is an opportunity for students to use technology, physical activity, food preparation and health related information to determine their overall wellness and to develop life-long fitness habits. Students will set short and long term goals for individual diet and fitness and complete fitness journals. Current trends, global issues and career opportunities in the food and fitness industry will be discussed.

NOTE: This class is also listed in the Physical Education section.

FINE ARTS (ART, MUSIC & THEATER)

ART

05054G/18103

Visual Studies

Prerequisite: none
One Semester: .5 Credit
Open to Grades 9-12

This elective course is an introduction to the world of visual art via the following areas: Introduction to the basic elements and principles of design, drawing, ceramics, graphics, painting, sculpture, and various periods of art history. Students may have to purchase some supplies.

05054E

Advanced Visual Studies (NEW COURSE!)

Prerequisite: Visual Studies
One Semester: .5 Credit
Open to Grades 9-12

This elective course is a continuation of visual studies. This class will build on the skills learned in visual studies. The course will include advanced projects in such areas as drawing, design, ceramics, painting, sculpture and cartooning.

05156G/18113

Drawing & Design

Prerequisite: Visual Studies
One Semester: .5 Credit
Open to Grades 9-12

Concentration of this class will be on media and techniques to be used for drawing plus basic elements and principles of design. Following successful completion of this class, students may elect to take Advanced Drawing and Design for one semester. Students may have to purchase materials.

05156E/18213

Advanced Drawing & Design

One Semester: .5 Credit
Prerequisite: Visual Studies and Drawing & Design
Open to Grades 10-12

This class will concentrate on improving students thought process in communicating visual ideas. Students will also learn to incorporate the basic elements of design and techniques in drawing to achieve original works of art.

05157G/18123

Painting

Prerequisite: Visual Studies and Drawing & Design
One Semester: .5 Credit
Open to Grades 10-12

This class will concentrate on techniques of painting using watercolors, acrylics, and combinations of paints. Following successful completion of painting, students may elect to take advanced painting for one more semester.

05157E/18223

Advanced Painting

Prerequisite: Visual Studies, Drawing & Design and Painting
One Semester: .5 Credit
Open to Grades 10-12

Students will work to develop their own original creative paintings. They will learn more advanced painting techniques along with experimenting with different styles, textures and methods of applying paint. Students will also experiment with different mediums of paint. Students will also be asked to incorporate the large body of knowledge they have acquired in the prerequisite art courses they have taken

18233***Drawing Cartoons, Comics and Caricatures***

Prerequisite: Visual Studies and Drawing & Design

One Semester: .5 Credit

Open to Grades: 10-12

Students will be introduced to the art of drawing cartoons, comic strips, and caricatures. Students will invent original caricatures and proceed to develop a comic strip. In the process they will be taught the drawing techniques used to develop successful cartoons and comic books.

05158G***Art & Metal Design***

Prerequisite: Visual Studies

One semester: .5 credit

Open to Grades: 10-12

This class will focus on the artistic design of metal. Projects will include wall hangings, lawn ornaments; plasma cut pieces and sculptures. Students will learn how to design, fabricate and weld pieces to create art. Students will also learn the many different types of welds tig, ac, stick and acetylene.

NOTE: This class is also listed in the tech ed section.

05159GE/18231-18232***Ceramics & Sculpture/Advanced***

Prerequisite: Visual Studies

One Semester: 1 Credit

This class will be offered for two consecutive class periods. The first quarter will be Ceramics & Sculpture and the second quarter will be Advanced Ceramics & Sculpture. This class will focus on techniques of working with clay including hand-building methods and the potter's wheel. It will also focus on building the students skills throughout the semester starting with the very basic skills and projects progressing to very advanced skills and projects.

05169G/18253***Animation and Computer Game Design
(2014-2015 School Year)***

Prerequisite: Visual Studies and Communications

One Semester: .5 Credit

Open to Grades: 10-12

Students will learn 2D and 3D animation using both hand-drawn and computer-rendered images to create original characters to be used in either animated cartoons or games. Students will learn a variety of techniques and programs used to design and animate cartoons and games.

NOTE: this class is also listed in the Technology Education section.

05197E/18753***Advanced Art Independent Study***

Prerequisite: Completion of all classes in area of media chosen, permission from Art teacher and Student Services Department.

One Semester: .5 Credit

Open to Grades 11-12

Areas of study are: painting, drawing, ceramics, sculpture, and cartoons. Independent study classes are designed for students who are serious about art. This class was designed for students to develop a portfolio for college. It is also for students to develop a body of work for a senior show.

MUSIC - INSTRUMENTAL

05101G/18141-18142 *Senior High Band*

Prerequisite: MS Band or director discretion
One Year: 1 Credit or One Semester: .5 credit
Open to Grades 9-12

Band students study music fundamentals and performance techniques. Performance opportunities include required concerts, parades, and pep band at athletic events, half-time shows and Solo & Ensemble Festivals.

MUSIC - VOCAL

05110G/18161-18162 *Mixed Chorus*

Prerequisite: None
One Year: 1 Credit or One Semester: .5 Credit
Open to Grades 9-12

Mixed Chorus is intended to further skill development culminating in performances throughout the year. Festivals and concerts are activities for this group.

05111G/18171-18172 *Treble Choir*

Prerequisite: Prepared Audition
One Year: 1 Credit
Open to Grades 9-12

Treble Choir is a skill development oriented performance class. It is intended for the less experienced singer. Students in this group perform several concerts and at festivals.

05111E/18181-18182 *Show/Chamber Choir*

Prerequisite: Prepared Audition
One Year: 1 Credit
Open to Grades 9-12

Show Choir is comprised of approximately 40 singers selected through auditions in February/March. The ensemble will perform technically advanced music in both popular and classical musical styles. Outside choreography rehearsals are mandatory. Concerts, Show Choir Festivals, Variety Show and Solo/Ensemble are activities of this ensemble. A minimum of two vocal tests per grading period and all concerts throughout the year are required.

THEATER

05055G/10513 *Theater I*

05055E/10523 *Theater II*

Prerequisite: Theater I is a prerequisite for Theater II
One Semester: .5 Credit
(Theater I & II will be combined. It is possible to take two semesters of Theater for credit).

Students study all basics of acting: observation, concentration, imagination, stage directions, and motivation. This is primarily an acting class. If students are taking Theater for a second semester, they will concentrate more on directing and stagecraft. Students must be interested in performing. An acting or directing project is mandatory. Much memorization is required.

FOREIGN LANGUAGE

06101G/11101-11102

Spanish I

Prerequisite: None
One Year: 1 Credit
Open to Grades 9-12

Enjoy the expression of conversation in Spanish. Students work on oral practice and listening comprehension, as well as the development of reading and writing skills. Topics include family, friends, sports, food, school, clothing, and weather. Featured cultures include Mexico City, Puerto Rico, and Hispanics living in the US.

06102G/11201-11202

Spanish II

Prerequisite: Spanish I
One Year: 1 Credit
Open to Grades 10-12

As students continue their studies of the language, they develop conversational, writing, reading and listening skills. Topics include city life; shopping; restaurants; daily routines; planning a party; talking about houses; and professions. Featured cultures include Mexico, Spain, and Ecuador.

06103G/11301-11302

Spanish III

Prerequisite: Spanish II
One Year: 1 Credit
Open to Grades 11-12

Students increase proficiency in all aspects of the language – speaking, reading, writing, and cultural awareness. Topics include talking about childhood experiences; family relationships and celebrations; health and fitness; daily routine and personal care; beach activities; chores; health problems; travel plans; rooms, furniture, appliances; the environment; and outdoor activities. Featured cultures include Mexico, Puerto Rico, Costa Rica, and Ecuador.

*See Note

06104G/11401-11402

Spanish IV

Prerequisite: Spanish III
One Year: 1 Credit
Open to Grade 12

As students continue to gain in knowledge and appreciation of the language and the Spanish-speaking cultures, they use critical thinking to perform many tasks in the language. Level IV students approach fluency by discussing current events in Spanish; making presentations to the class; and using many authentic documents from the Hispanic world. Spanish is used almost exclusively in class by the students and the instructor.

*See Note

**Note: After completing Spanish III and IV, students should have the ability to either test out of college foreign language entrance requirements, or to place into more advanced level college foreign language courses, thereby earning retroactive credits.*

MATHEMATICS

02053G/13101-13102

Intermediate Algebra I – 1st Year

Prerequisite: None

One Year: 1 Credit

Open to Grades 9-12 (required if not taking Algebra I)

Intermediate Algebra I is the first of a two-year program to learn the concepts normally covered in one year of Algebra I.

AND

02054G/13201-13202

Intermediate Algebra I – 2nd Year

Prerequisite: Intermediate Algebra I:1st Year

One Year: 1 Credit

Open to Grades 10-12

Intermediate Algebra I: 2nd year is the second of a two-year program to learn concepts normally covered in one year of Algebra I.

OR

02052G/13111-13112

Algebra I

One Year: 1 Credit

Prerequisite: None

Open to Grades 9-12 (required if not taking Intermediate Algebra I&II)

A basic algebra course exploring functions, number properties, solving simple open sentences along with verbal problems, graphing, factoring and combining algebraic expressions for problem solving use.

02056G/13221-13222

Algebra II

Prerequisite: Algebra I

One Year: 1 Credit

The course reviews Algebra I concepts, along with studying techniques to solve more complex open sentences, exponentials, complex numbers, conic sections, relations, functions, matrices, polynomials, quadratics, solving verbal problems, and problem solving. *Students taking Algebra I as an eighth grader may take Algebra II as a ninth grader.*

*Students who take Algebra II and Geometry concurrently should have a minimum GPA of 2.0 in Algebra I.

02072G/13241-13242

Geometry

Prerequisite: Successful completion of Algebra I

One Year: 1 Credit

The course will introduce logical reasoning methods, geometric properties in two and three dimensions and geometric properties related to algebraic concepts.

*Students who take Algebra II and Geometry concurrently should have a minimum GPA of 2.0 in Algebra I.

02153H/13251-13252

TC Technical Mathematics

One Year: 1 Credit

Prerequisite: Successful completion of Algebra I or successful completion of Intermediate Algebra I years 1 and 2

Open to Grades 11-12

This class focuses on the fundamental concepts of arithmetic, including fractions and decimals, algebra, including rearranging formulas, solving systems of linear and quadratic equations; geometry, including graphing and measurement and trigonometry. Students entering technical trade programs need to know these concepts.

NOTE: The Technical Math class has been approved as a transcribed credit class through NTC. This course will transfer to NTC class "College Algebra with Applications."

NOTE: This class is also listed in the transcribed credit section.

02157G/13231-13232 **Lifetime Math**

Prerequisite: Successful completion of any offered math class
One Year: 1 Credit
Open to Grades 11-12

This course will cover the mathematics behind everyday situations with an emphasis on percents. Some of the topics to be covered will be gross pay, net pay, banking services, credit cards, mortgages, buying a car, insurance, investments and business costs.

02104G/13301-13302 **Advanced Math**

Prerequisite: Successful completion of Algebra II and Geometry
One Year: 1 Credit

This is a pre-college course covering polynomial equations and inequalities, analytic geometry, sequence and series, vectors, functions and their graphs, exponential and logarithmic functions, complex numbers and trigonometry.

*Students who take Advanced Math should have a minimum GPA of 2.0 in both Algebra II and Geometry

02124H/13601-13602 **AP Calculus**

Prerequisite: Advanced Math with a minimum GPA of 2.0
One Year: 1 Credit

The course will cover real numbers, functions, graphs, limits and continuity, the derivative and differentiation, extreme function values, techniques of graphing, the definite integral and integration, and applications of the definite integral.

*Students taking this class should also take a study hall.

In the spring, students will be given the opportunity to take the Advanced Placement Test for College Credit. Payment for taking this test will be the responsibility of the student.

NOTE: This class is also listed in the AP section.

02203H **AP Statistics** **(NEW DISTANCE LEARNING CLASS!)**

Prerequisite: AP Calculus
One Year: 1 Credit
Open to Grades: 12

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

In the spring, students will be given the opportunity to take the Advanced Placement Test for College Credit. Payment for taking this test will be the responsibility of the student.

NOTE: This class is also listed in the AP and DL sections.

PHYSICAL EDUCATION/HEALTH

08001G/20113

Fit Frosh

Prerequisite: None

One Semester: .5 Credit

Open to Grades 9 Required

P.E. 9 is a one-semester class that will fulfill .5 credit toward the 1.5 credits required for graduation. In this course, students will acquire the knowledge, skills, and self-confidence they need to participate in a wide variety of physical activity. Students will be assessed in three criteria: the Psychomotor, the Cognitive, and the Affective Domains. The psychomotor domain requires that students are prepared for class and participate to their ability in skill work, fitness testing, and game situations. The affective domain requires students to demonstrate responsible social behaviors that promote personal and group success in physical activity. The cognitive domain requires students to understand and apply knowledge of skills and rules of the content areas. Physical Education classes will engage in the following activities: swimming, diving, softball, flag football, soccer, pickleball, badminton, basketball, weight training, volleyball, fitness testing and lacrosse.

08004G/20313

Lifetime Sports

Prerequisite: P.E. 9

One Semester: .5 Credit

Open to Grades 11-12

Lifetime Sports is a one-semester elective that will fulfill .5 credit toward the 1.5 credits required for graduation. In this course, students will recognize that physical activity offers opportunities for positive self-expression, social interaction, group membership, and meeting challenges. All the activities will encourage students to continue lifelong personal enjoyment of physical activities. Students will be assessed in two criteria: the Psychomotor, the Affective Domains. The psychomotor domain requires participation in health-enhancing fitness activities. Students will also demonstrate and work towards advanced proficiency in selected activities. The affective domain requires students to demonstrate appropriate social responsibilities by applying rules, procedures, and etiquette in all physical activity settings. Activities will include: archery, golf, horseshoes, team handball, floor hockey, swimming, pool games, yard games, lacrosse, bowling, cross country skiing, pickle ball, swimming, sand volleyball, and badminton. *A Junior or Senior may only take Lifetime Sports one time each year unless he/she needs the required graduation credits.* Students will be charged a fee of \$20.00 per class to cover the cost of this course.

08016G/20323

Food & Fitness

Prerequisite: P.E. 9

One Semester: .5 Credit

Open to Grades 10-12

Food and Fitness is a one semester elective class that will fulfill .5 credit toward the 1.5 credits required for graduation. This class will have an applied/integrated approach that combines physical education and the foods area of family and consumer education. The course will include exercise programs, nutritional/diet issues including sports nutrition, diabetes, heart disease, allergies, eating disorders, and life cycle concerns. It is an opportunity for students to use technology, physical activity, food preparation and health related information to determine their overall wellness and to develop life-long fitness habits. Students will set short and long term goals for individual diet and fitness and complete fitness journals. Current trends, global issues and career opportunities in the food and fitness industry will be discussed.

NOTE: This class is also listed in the Family and Consumer Education section.

08010G/20213**Lifeguarding Training**

Prerequisite: Must be 15 years old

One Semester: .5 Credit

Limit 12 students per session

The American Red Cross Lifeguarding program provides future lifeguards with skills and knowledge necessary to keep patrons of aquatic facilities safe in and around the water. This course includes a lifeguard-training course with aquatic-specific first aid and CPR. It also offers a choice of environment-specific lifeguarding modules with advanced prevention and resuscitation skills to meet the training needs of aquatic facilities and their staff. Students will be charged a fee of \$50, which includes; lifeguard training manual, resuscitation mask and two certification cards.

Depending on the master schedule, it is possible that this class will be offered only during the summer.

08051G/20103**Health & Fitness**

Prerequisite: None

One Semester: .5 Credit

Required for 10th Grade

Health is a one-semester required class that will fulfill the .5 credit for graduation as required by the Department of Public Instruction. This course will teach students the information and skills they need in order to become health literate, maintain and improve health, prevent disease, and reduce health-related risk behaviors. Through this course, students will demonstrate effective communication by expressing knowledge, beliefs, and ideas. They will achieve critical thinking by being able to evaluate information from reliable sources before making a decision. Students will also become self-directed learners by gathering and using health knowledge. Finally, students will become responsible citizens by choosing behaviors that are healthful, safe, legal, respectful of self and others, and demonstrate character. The content areas include: Fitness, Mental and Emotional Health, Community and Consumer Health, Nutrition, Family and Social Health, Human Growth and Development, Communicable and Chronic Diseases, Substance Use and Abuse, and Injury Prevention and Safety.

NOTE: The Health requirement is fulfilled in the sophomore year of high school. It does not satisfy a PE requirement.

SCIENCE

03159G/12101-12102

Physical Science

Prerequisite: none
Grade 9 (required)
One Year: 1 Credit

A practical and activity-oriented study of physical and chemical science concepts, to include the study of matter, energy and motion. Emphasis the first semester is on chemistry and the second semester emphasizes the study of physics.

03051G/12201-12202

Biology

Prerequisite: none
One Year: 1 Credit
Grade 10 (required)

Biology is the study of life processes and this class covers some of the unifying concepts and themes. They include: energy and the maintenance of living systems, the cell and its processes, human inheritance, organizational grouping of living organisms, relationships in living systems and the nature of science.

03101G/12301-12302

Chemistry

Prerequisite: Physical Science and Algebra I.
One Year: 1 Credit
Open to Grades 10-12

Chemistry students study the structure and composition of materials and the changes which take place in them. This course is essential for anyone who wants a basic understanding of their world.
May be taken concurrently with Biology.

03106H/12601-12602

AP Chemistry

Prerequisite: Chemistry, Algebra II, Physics, and Advanced Math (physics and advanced math may be taken concurrently with AP chemistry).
One Year: 1 Credit
Open to Grades 11-12

This course is an extension of chemistry. It pursues a more in depth understanding of chemical and physical changes. The course is geared toward those who plan on taking college chemistry. In the spring, students will be given the opportunity to take the Advance Placement Test to receive college credit. Payment for the test will be the responsibility of the student.
NOTE: This class is also listed in the AP section.

03151G/12401-12402

Physics

Prerequisites: Algebra II and Physical Science
One Year: 1 Credit
Open to Grades 11-12

Physics is a project based exploration of motion, heat, electricity, sound, magnetism, and light.

03053E/12411-12412**TC Anatomy & Physiology**

Prerequisite: Physical Science and at least 2.0 GPA in Biology or Instructors approval

One Year: 1 Credit

Open to Grades 11-12

Anatomy and Physiology is an advanced, upper level course that focuses on the names of human body structures and the processes of how they work together. This course is designed for those motivated students interested in the study of the human body or for those planning on continuing their education beyond high school, either to college or to technical school in a medical area of study. Dissections are required.

NOTE: The Anatomy & Physiology class has been approved as a transcribed credit class through NTC.

This course will transfer to NTC class "Body, Structure and Function."

NOTE: This class is also listed in the transcribed credit section.

03006G**Meteorology****(NEW DISTANCE LEARNING CLASS!)**

Prerequisite: None

One semester. .5 credit

Open to Grades 11-12

This course will provide a general survey of meteorology and climatology. Topics will include the Earth's atmosphere and its characteristics, weather instruments, air pressure, temperature, humidity, air masses, fronts, storms, precipitation and weather forecasting. Weather maps

NOTE: This class is also listed in the DL section.

The courses from the Agriculture Department listed below are DPI certified science equivalent courses. They are also listed in the Agriculture Section.

18001G/17113**Horticulture I**

Prerequisite: Plants, Animals and You

One semester: .5 Credit

Open to Grades 9-12

If you like growing and working with plants, this is the class for you! Students will explore horticultural career opportunities, study basic plant growth and soils, propagation, gardening practices, landscape planning and plant identification. This class will be using the greenhouse for many lab activities.

NOTE: This class is also listed in the Agricultural Section

18101G/17133**Animal Science**

Prerequisite: Plants, Animals and You

One semester: .5 Credit

Open to Grades 9-12

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.

NOTE: This class is also listed in the Agricultural Section.

SOCIAL STUDIES

04151G/14103

Citizenship

Prerequisite: None
One Year: 1 Credit
Open to Grade 9 (required)

The course will explain the function and operation of government and government officials at the local, state, and federal levels. The importance of active, productive citizenship will be incorporated into the course through discussion of political activities. The second part of the course will focus on an introduction to other aspects of social studies such as economics, law, current events, psychology and sociology amongst other relevant topics.

04051G/14201-14202

World History

Prerequisite: None
One Year: 1 Credit
Open to Grade 10 (required)

World History is a survey course covering the time span from pre-historic development to the post-WW II era. Both a topical and study by country and region approach is utilized, in a predominantly chronological sequence. Areas of emphasis include world governmental development, social changes, the Renaissance, mercantilism, cultural development, economic changes, imperialism, and the influence of science and developed technology on our world. Also, emphasis will be on how past history relates to current happenings.

04101G/14301-14302

U.S. History

Prerequisite: None
One Year: 1 Credit
Open to Grade 11 (required)

U.S. History is a survey course of United States history. Emphasis is on the Colonial Era, the US Constitution, the Jacksonian Era, the Civil War and aftermath, the Industrial Age and the Progressives, the 20's and the Depression, W.W.I and II, and the Cold War.

04101E/14311-14312

Advanced U.S. History

Prerequisite: 3.0 overall GPA or instructor approval
One Year: 1 Credit
Open to Grades 11-12

The subject matter of this class will be the stories of how the United States developed into the country we now live in. Besides the political history, we will look at social, cultural, scientific, and artistic aspects of our country's past and present. Learning the subject is one of our goals, but we have further ambitions. This is a class to prepare for post-secondary education. Part of this effort will include use of a more challenging textbook. There will be increased use of writing and assignments designed to increase use of higher level thinking skills. This is a class for serious students. Assignments are mandatory and attendance is vital.

04103G

Modern U.S. History (NEW COURSE!)

Prerequisite: None
One Semester: .5 Credit
Open to Grade 11-12

This course will evaluate the actions of the US from WWII to the present, how the country became a world power and how the decisions of the recent past effect politics, economy, foreign policy and globalization today.

04201G/14353**Economics**

Prerequisite: none

One Semester: .5 Credit

Open to Grades 11-12

The course will provide a basic understanding of economic principles including the study of economic systems, production and marketing, influences on prices, GNP, business cycles, money and banking, and government economic policies including taxation as they affect the economy. Final units will be the study of inflation, energy, and unemployment.

NOTE: This class satisfies the Personal Finance requirement.

22210G/14403**Personal Finance/Consumer Economics**

Prerequisite: none

One Semester: .5 Credit

Open to Grades 10-12 (*required if Economics is not taken*)

Personal Finance is designed to prepare students for the real economic world they will face upon graduation. Areas of emphasis include taxes, checking accounts, banking, credit, advertising, insurance, investments, budgets, consumer purchasing and fundamental principles of economics.

NOTE: This class is also listed in the business section.

04254G/14333**Psychology I**

Prerequisite: none

One Semester: .5 Credit

Open to Grades 11-12

Psychology is the scientific study of human behavior. Topics covered in a typical semester include child and adolescence development, the nervous system, altered states of consciousness such as dreams and sleep, learning and memory.

04256H/21333**AP Psychology**

Prerequisite: Psychology I

One semester: .5 Credit

Open to Grades 11-12

Psychology II is a continuation of Psychology I. Students planning to take Psychology II must obtain a C or better in Psychology I. Topics covered in a typical semester include personality and intelligence testing, stress and health, psychological disorders (such as mood and personality disorders) and social psychology. *In the spring, students will be given the opportunity to take the Advanced Placement Test to receive college credit. Payment for the test will be the responsibility of the student.*

NOTE: This class is also listed in the AP section.

04258G/21323**Introduction to Sociology**

Prerequisite: None

One Semester: .5 Credit

Open to grades 11-12

Sociology is the study of people in groups or more formally stated as the study of human social behavior and concentrates on patterns of social relationships, primarily in modern societies. This class will explore the sociological point of view towards culture, socialization, social structure, groups and organizations, deviance and social control, social classes and inequalities. Also discussed will be topics such as high school cliques, family structures, education, political and economic institutions, religion, and social collective behaviors. This class will ask students to take a personal look at the roles they play and what groups they associate with as well as evaluate parts of our society.

04162G/14343**Street Law**

Prerequisite: none
One Semester: .5 Credit
Open to Grades 11-12

This is a course in practical law. It is designed so that students will receive concepts and general legal terminology about law that will be practical for everyday life. Case studies and other learning activities will be used to assist students to effectively explore basic law-related knowledge of everyday legal problems and how they affect lives. Areas covered will be our legal system, criminal law, tort law, family law, and individual rights and liberties.

04064G/14323**Current Affairs**

Prerequisite: none
One Semester: .5 Credit
Open to Grades: 11-12

In this course students have the opportunity to discuss the issues of the day. Topics chosen for study and discussion involve materials that are all from within the last year. Issues can be of the day or week or can be topical in nature such as a week on new inventions, 2-3 days on women's issues, or the American Family. A broad range of topics are covered involving social issues, political issues, economic issues, modern life and the like. Handouts and other materials will be utilized in this class. Much reading is involved. Students may take this course twice.

04152G**American Political Thought
(NEW DISTANCE LEARNING COURSE!)**

Prerequisite: none
One Semester: .5 Credit
Open to Grades: 11-12

This class will expand on the base that was formed during the previously taken Civics course. We will focus on American political thoughts and ideas and how they impacted the formation of our Constitution and how it impacts us today. The modern day influences on thoughts and government processes, including the media, opinion polls, interest groups, and political parties, will be examined in detail. We will compare our system to others and evaluate the pros and cons of the American system. During the year we will follow current trends and events in politics to connect them to the course.

NOTE: This class is also listed in the distance learning section.



04063H

UWMWC HIS 105 History of Western Civilization

Prerequisite: None. Online special student application and submission of transcripts.
One Semester. DUAL CREDIT .5 CHS credit – 3.0 university credits
Open to Grade: 12

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.

NOTE: This class is also listed in the DL-university credit section.

***UWMWC HIS 106 History of Western Civilization
(NEW DISTANCE LEARNING COURSE!)***



Survey of Western Civilization from ancient times through 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.

NOTE: This class is also listed in the DL-university credit section.

TECHNOLOGY EDUCATION

21002G

Introduction to Technology & Engineering

Prerequisite: None

One semester: .5 credit

Open to Grades 9-12

Introduction to Technology and Engineering will introduce all students to the world of technology and engineering. Using 3-D computer modeling software, students will learn the design process, create blueprints and have the opportunity to physically develop, analyze, and build product models. Students will also learn how to use various measuring devices.

21102G/16221-16222

Introduction to Engineering Design (PROJECT LEAD THE WAY COURSE) (2013-2014 School Year)

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016)

One Year: 1 Credit

Open to Grades 10-12

In this course, students study the fundamentals and basic constructions used in drafting. Fundamentals such as line weight, lettering, and dimensioning are studied. This course is designed for students seeking more in-depth hands on knowledge of engineering and technology. Students will be working as engineering teams to design, construct and test various projects throughout the year utilizing a 3D solid modeling program. These projects may include: Sand Powered Vehicles, Rockets, Egg Drop Capsules, Puzzle Cubes, Desktop Organizers and Lego Products. This course could lead into the vast fields of medical, environmental, manufacturing, research & design and/or computer applications of engineering.

21004G/16121-16122

Principles of Engineering (PROJECT LEAD THE WAY COURSE)

Prerequisite: Introduction to Technology and Engineering, Introduction to Engineering Design (beginning with class of 2016) and Algebra I

One Year: 1 Credit

Open to Grades 11-12

This course is designed for students seeking more in-depth, hands-on knowledge of engineering and technology. Activities in this class include creating an arctic drop shelter, studying robotics and computer programming, and applying the principles of electronics, hydraulics, and pneumatics. This course is a great opportunity to learn math, science, and technology in a hands-on, relevant way.

17106G

Electronics (2013-2014 School Year)

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016)

One Semester: .5 Credit

Open to Grades 9-12

Comprehensive courses provide a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electronic field as well as typically cover the theory of electricity. Course topics may include AC, DC, analog, and integrated circuitry and solid state and digital devices, amplifiers, and semiconductors. Skills covered may involve the repair, maintenance, and building of electronic equipment such as radios, television sets, and industrial equipment.

17006G/16113

Woods I

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016)
One Semester: .5 Credit
Open to Grades 9-12

This class is recommended for 9th and 10th graders. Students learn about safety, materials, and processes used in industry. They study different types of woods. They also work with various woodworking machines and processes to complete a project. **There will be a \$10.00 fee for projects.**

17006E/16213

Woods II

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016) and Woods I
One Semester: .5 Credit

Students use hand tools and power equipment to construct more complex projects. Emphasis is placed on safe working practices. Class work consists of units in planning and making bills of materials, shaping and routing, woodturning and wood finishing. **There will be a \$10.00 fee for projects.**

17006H/16311-16312

Woods III (2014-2015 School year)

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016), Woods I and Woods II
One Year: 1 Credit

This class will be offered for two consecutive class periods. Students make drawings and design projects such as desks, chests, gun and stereo cabinets. Power and hand tools are used to construct the project. Emphasis is placed on safety and the care and maintenance of woodwork tools and machines. Projects are finished with a sprayed on finish. There are units on construction. **There will be a \$10.00 fee for projects.**

17002G/16421-16422

Construction (2013-2014 School Year)

Prerequisite: Introduction to Technology and Engineering and Woods I (beginning with class of 2016)
One Year: 1 Credit
Open to Grade 12 (Grade 11 if seats available)

This class will be offered for two consecutive class periods. Students will learn about building materials, safety, tools and equipment used. Students will learn the theory of footings, foundations, framing, roofing, and stair construction. It may also include units on plumbing, wiring, sheet rocking, and masonry. Students may build a storage shed or another project approved by the instructor. **There will be a \$10.00 fee for materials used.**

13052G/16123

Materials & Processes – Metals I

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016)
One Semester: .5 Credit
Open to Grades 9-12

This class is recommended for 9th and 10th graders. Students learn about safety, materials, and processes used in industry. They study types of metal, tools, and methods of machining: lathe milling machine, drill press, and sheet metal work. **There will be a \$10.00 fee for materials used.**

13052E/16223

Materials & Processes – Metals II

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016)
and Materials & Processes: Metals I
One Semester: .5 Credit
Open to Grades 9-12

This class will give students an advanced understanding of machining in the world. Students will independently develop, design and fabricate projects using the equipment within the lab. Students will also begin to use and understand automated machining using a CNC Mill. If time permits, students will build a High Mileage Vehicle. **There will be a \$10.00 fee for materials used.**

18404G/16331-16332

TC Welding/General Shop

Prerequisite: None
and Materials & Processes
One Year: 1 Credit
Open to Grades 10-12

Welding is a metal fabrication and basic construction course. Included are units in welding where students receive experience in arc and oxyacetylene welding. Accelerated students also receive experience on the TIG and MIG machines. Students will do a project. **There will be a \$10.00 fee for projects.**

NOTE: The Welding class has been approved as a transcribed credit class through NTC. TC available to juniors and seniors only. Additional work may be required.

NOTE: This class is also listed in the agriculture section and the transcribed credit section.

18404E/16351-16352

Advanced Welding General Shop

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016)
and Welding/General Shop
One Year: 1 Credit
Open to Grades 11-12

Welding is a metal fabrication and basic construction course. Included are units in welding where students receive experience in arc and oxyacetylene welding. Accelerated students also receive experience on the TIG and MIG machines. Students will do a project. **There will be a \$10.00 fee for projects.**

21103G/16153

Architectural Drafting (2013-2014 School Year)

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016)
One Semester: .5 Credit
Open to Grades 9-12

Students make drawings that are used in residential construction. Units of study are drafting techniques, drawing floor plans, elevations and perspectives of foundation plans, framing plans, electrical plans, and building codes are studied.

11002G/16233

Communications

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016)
One Semester: .5 Credit
Open to Grades: 9-12

Students will explore various areas of communication. Some areas of communications that will be explored will be 35 mm photography, Screen Printing, Digital Photography, Web Design, POD casting, Video Editing, Photoshop, Glass Etching/Laser Etching and Computer Animation. Some items such as t-shirts and glass will have to be brought from home. **There will be a \$10.00 fee for materials used.**

11155G/16243

TC Graphic Communication/Web Design

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016)
One Semester: .5 Credit
Open to Grades: 10-12

Students in this class will expand their knowledge learned during communications and concentrate on the graphics side of communications. In this course, students will expand their knowledge in Web Design, 35 mm Photography, Advanced Digital Photography, Computer Animation, Photoshop and Screen Printing.

There will be a \$10.00 fee for materials used.

NOTE: The Graphic Communication/Web Design class has been approved as a transcribed credit class through NTC. This course will transfer to NTC class "Photoshop."

NOTE: This class is also listed in the transcribed credit section

11049G/16363**Video/Media Productions**

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016)
One Semester: .5 Credit
Open to Grades 9-12

Students in this class will expand their knowledge learned during communications and concentrate on the media side of communications. Students will learn about a variety of aspects dealing with media productions. Areas that will be covered are scripting, broadcasting, editing, sound mixing, pod casting and filming. Assignments will range from taping and editing athletic events, concerts, school board meetings and other events. Due to the time of these events, many of the assignments will be out of class. Amount of Video Productions will vary on the amount of enthusiasm and quality of videos from students.

05158G**Art & Metal Design**

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016) and Visual Studies
One semester: .5 credit
Open to Grades: 10-12

This class will focus on the artistic design of metal. Projects will include wall hangings, lawn ornaments; plasma cut pieces and sculptures. Students will learn how to design, fabricate and weld pieces to create art. Students will also learn the many different types of welds tig, ac, stick and acetylene.

NOTE: This class is also listed in the tech ed section.

05169G/18253**Animation and Computer Game Design
(2014-2015 School Year)**

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016)
Visual Studies and Communications
One Semester: .5 Credit
Open to Grades: 10-12

Students will learn 2D and 3D animation using both hand-drawn and computer-rendered images to create original characters to be used in either animated cartoons or games. Students will learn a variety of techniques and programs used to design and animate cartoons and games.

NOTE: This class is also listed in the art section.

20109G/16333**Small Engines (2014-2015 School Year)**

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016)

One Semester: .5 Credit

Students learn theory of how the engine works. The students practice on small two and four stroke cycle engines. A complete tear down of a 4-stroke cycle and a 2-stroke cycle engine is part of the course work. Additionally, repair or replace parts of the engine will occur. **There will be a \$10.00 fee for materials used.**

20103G/16353**Basic Auto (2013-2014 School Year)**

Prerequisite: Introduction to Technology and Engineering (beginning with class of 2016) 11th and 12th grade students with Driver's license will need to bring a vehicle to class.

One Semester: .5 Credit

Students will learn about and do basic maintenance on their car. Some items are: check and clean plugs, change plugs, change oil and filter, check battery, check coolant, check or replace belts, check hoses, check or replace rotor or distributor cap, grease car, change or rotate tires, do battery load test, charging system test, do a compression test, check brakes, etc. A major portion of the class will consist of how to purchase a car and what to look for during this process as well as insurance and how to purchase this and what to look for during this process.

18401G/17333**Ag Mechanics**

Prerequisite: Welding

One semester: .5 Credit

Open to Grades 11-12

This laboratory course is designed to provide students with introductory level experiences in selected major areas of agricultural mechanics technology which may include engine maintenance and repair, metal fabrication, electrical wiring, maintenance of agricultural machinery, equipment and tractors. Learning activities include information, skill development and problem solving. During this course students will rebuild a tractor or a piece of agriculture equipment and fabricate parts to restore it.

NOTE: This class is also listed in the ag section.

OTHER COURSEWORK OPPORTUNITIES

SCHOOL-TO-CAREER LEARNING OPTIONS

INTERNSHIPS

School-To-Career Internships are an unpaid work-based experience for a student with a junior/seniors status (according to credits) where a particular industry or business may be sampled.

18098G

Agriculture Internship

Prerequisite: MUST BE enrolled in a related class during the year of the internship.

One semester: .5 Credit

Open to Grades 11-12

This is an optional one or two hour class for a total of .5 credit.

This class may be taken for more than one semester and more than one year.

The Agriculture Internship is designed to provide technical instruction, on-the-job training and work experience for high school agriculture education students preparing to enter the agricultural field of employment or post-secondary education. Job placements will be in various areas of agribusiness including animal science, plant and soil science, horticulture, forestry, natural resources and production agriculture.

12098G

Business Internship

Prerequisite: MUST BE enrolled in a related class during the year of the internship.

One semester: .5 Credit

Open to Grades 11-12

This is an optional one or two hour class for a total of .5 credit.

This class may be taken for more than one semester and more than one year.

The Business Internship is designed to provide technical instruction, on-the-job training, and work experience for high school business education students preparing to enter employment or post-secondary education in the business field.

23321-23322

Technology Internship

Choose one of the following areas:

***17098G-woods, electrical and architectural *13098G-metals**

***21098G-engineering *11098G-communications**

***18098G-welding *12098G-drafting**

Prerequisite: MUST BE enrolled in a related class during the year of the internship.

One semester: .5 Credit

Open to Grades 11-12

This is an optional one or two hour class for a total of .5 credit.

This class may be taken for more than one semester and more than one year.

The Technology Internship is designed to provide technical instruction, on-the-job training and work experience for high school technology education students preparing to enter employment or post-secondary education in the technology field.

22098G

Food Service Internship

Prerequisite: MUST BE enrolled in a related class during the year of the internship.

Open to Grades 11-12

This is an optional one or two hour class for a total of .5 credit.

This class may be taken for more than one semester and more than one year.

The Food Service Internship is designed to provide technical instruction, on-the-job training and work experience for high school food service students preparing to enter employment or post-secondary education in the food service field.

14098G

Health Internship

Prerequisite: MUST BE enrolled in a related class during the year of the internship.

Open to Grades 11-12

This is an optional one or two hour class for a total of .5 credit.

This class may be taken for more than one semester and more than one year.

The Health Internship is designed to provide technical instruction, on-the-job training and work experience for high school health education students preparing to enter employment or post-secondary education in the health field.

CO-OPS

School-To-Career Co-ops are a school supervised paid work experience for students with a junior/seniors status (according to credits). Each area is a career area approved by the Department of Public Instruction (DPI).

Students may receive a state endorsed skill certificate from DPI upon successful completion of the program. *State approved, industry endorsed competencies must be met by the student to receive a skill certificate.

Students are hired by companies and may be paid for their work. Employers must comply with all state and federal child labor laws and the Fair Labor Standards Act. This course is designed to give students on-the-job training, instruction and work experience in one of the following areas. Students will also earn high school credits for successfully completing this course.

Work permit required.

***State Certification may be option for this course.**

18000G/22301-22302

Agriculture Co-op

Prerequisite: MUST HAVE 2 Semesters of Agriculture classes and be enrolled in an Agriculture class during the school year of the co-op.

One semester: .5 Credit

Open to Grades 11-12

This is an optional one or two hour class for a total of .5 credit.

This class may be taken for more than one semester and more than one year.

The Agriculture Co-op is designed to provide technical instruction, on-the-job training and work experience for high school agriculture education students preparing to enter the agricultural field of employment or post-secondary education. Job placements will be in various areas of agribusiness including animal science, plant and soil science, horticulture, forestry, natural resources and production agriculture.

12000G/22341-22342 *Business Co-op*

Prerequisite: MUST HAVE 2 semesters of Business classes and be enrolled in a Business class during the school year of the co-op.

One semester: .5 Credit

Open to Grades 11-12

This is an optional one or two hour class for a total of .5 credit.

This class may be taken for more than one semester and more than one year.

The Business Co-op is designed to provide technical instruction, on-the-job training, and work experience for high school business education students preparing to enter employment or post-secondary education in the business field.

23321-23322 *Technology Co-op*

Choose one of the following areas:

***17000G-woods, electrical and architectural *13000G-metals**

***21000G-engineering *11000G-communications**

***18000G-welding *12000G-drafting**

Prerequisite: MUST HAVE 2 semesters of Tech-Ed classes and be enrolled in a Tech-Ed class during the school year of the co-op.

One semester: .5 Credit

Open to Grades 11-12

This is an optional one or two hour class for a total of .5 credit.

This class may be taken for more than one semester and more than one year.

The Technology Co-op is designed to provide technical instruction, on-the-job training and work experience for high school technology education students preparing to enter employment or post-secondary education in the technology field.

22000G/22361-22362 *Food Service Co-op*

Prerequisites: MUST HAVE 1 semester of Food Service classes and be enrolled in a Food service class during the school year of the co-op.

Open to Grades 11-12

This is an optional one or two hour class for a total of .5 credit.

This class may be taken for more than one semester and more than one year.

The Food Service Co-op is designed to provide technical instruction, on-the-job training and work experience for high school food service students preparing to enter employment or post-secondary education in the food service field.

14000G/22381-22382 *Health Co-op*

Prerequisites: MUST HAVE passed health class. Must have CNA Certification

Open to Grades 11-12

This is an optional one or two hour class for a total of .5 credit.

This class may be taken for more than one semester and more than one year.

The Health Co-op is designed to provide technical instruction, on-the-job training and work experience for high school health education students preparing to enter employment or post-secondary education in the health field.

YOUTH APPRENTICESHIPS

The Youth Apprenticeship (YA) Program is a rigorous one or two year elective statewide program that combines academic and technical instruction with mentored, paid, on-the-job learning that makes a real world connection for students. Youth Apprentices work a minimum of 450 hours at their YA worksite each year of their program and take related classes to enhance their worksite experiences. Work hours may be accumulated during the school year or throughout the summer months. Students successfully completing the Program will receive a Certificate of Recognition through Department of Workforce Development (DWD).

Youth Apprenticeship Programs are as follows:

18000E YA Agricultural, Food and Natural Resources Pathway

Open to Grades: 11-12

This YA is designed to provide education and experience with large and/or small animals; veterinary; crops; greenhouse and floral; and landscaping careers

17000E YA Architecture and Construction

Open to Grades: 11-12

This YA is designed to provide education and experience with architecture; drafting; and planning careers

11000E YA Arts, A/V Technology & Communications

Open to Grades: 11-12

12000E YA Finance

Open to Grades 11-12

This YA is designed to provide education and experience with accounting; banking; and insurance careers.

14000E YA Health

Open to Grades 11-12

This YA is designed to provide education and experience with the medical profession including medical assistant, medical office, nursing assistant, pharmacy technician, imaging, optometry, PT and RT..

16000E YA Hospitality and Tourism

Open to Grades 11-12

This YA is designed to provide education and experience with restaurant; lodging; travel and tourism careers

10000E YA Information Technology

Open to Grades 11-12

This YA is designed to provide education and experience with IT Essentials; Harward/Software; and Web and Digital Media careers.

13000E YA Manufacturing

Open to Grades 11 -12

This YA is designed to provide education and experience with assembly and packaging; maintenance; installation and repair; production; and production operations management careers.

21000E***YA Science, Technology, Engineering and Math***

Open to Grades 11 -12

This YA is designed to provide education and experience with engineering drafting; mechanical and electrical engineering; and civil engineering.

20000E***YA Transportation, Distribution and Logistics***

Open to Grades 11 -12

This YA is designed to provide education and experience with auto collision; auto technician; and logistics and supply chain.

18000E***YA Welding***

Open to Grades 11 -12

This YA is designed to provide education and experience with welding.

SENIOR PROJECT

22997E/24403

Senior Capstone Project/Exhibit of Mastery

One Semester: .5 Credit OR One Year: 1 Credit (Credit option must be applied for before taking the course)
Open To Grade 12 Only

This is an independent study course. Students will be allowed to choose a topic of choice in an area of interest. Students will need to demonstrate expertise in the subject by presenting a culminating project to a panel of adults (minimum of 3) that may consist of community, school, and business people.

STUDENT ASSISTANT PROGRAM

22995G/25901-25902

Teacher Assistant Program

One Semester: .25 Credit
Pass/Fail grading: not calculated in GPA
Open to Only Grades 11-12

Students must be taking at least 6 classes each semester and have a cumulative GPA of 3.0. Approval from the supervising staff member, a parent or guardian, and a counselor is needed before a student can begin. TA's carry out all functions that are assigned to them on a daily basis by the supervising classroom teacher. TA's may tutor, help prepare labs, demonstrations, and teaching materials. TA's do not correct tests or homework, record grades, or supervise students. A student will be removed from a TA position if he/she receives an "F" in a class at a grading period.

22054G/25911-25912

Tutor/Mentor

One Semester: .5 Credit
Pass/Fail grading: not calculated in GPA
Open To Only Grades 11-12

High school students who have an interest in helping younger students build academic skills and build positive relationships with younger students may register for this course. You may be assigned to a one on one and/or classroom setting to serve as mentor/tutors in the Elementary or Middle School buildings. HS students will work with a supervising staff member to understand the needs of the younger child, build positive mentor and tutor skills while modeling good character and directly work with younger students. Requirements include having a 3.0 GPA and Jr./Sr status; being reliable, responsible, respectful, able to take direction from staff; able to work independently; and must have good attendance. This is a great opportunity for those interested in future careers that involve education, daycare, medical fields or for those who have a general interest in working with children or helping others.

ADVANCED PLACEMENT CLASSES

02124H/13601-13602 AP Calculus

Prerequisite: Advanced Math with a minimum GPA of 2.0
One Year: 1 Credit

The course will cover real numbers, functions, graphs, limits and continuity, the derivative and differentiation, extreme function values, techniques of graphing, the definite integral and integration, and applications of the definite integral.

*Students taking these classes should also take a study hall.

In the spring, students will be given the opportunity to take the Advanced Placement Test for College Credit. Payment for taking this test will be the responsibility of the student.

NOTE: This class is also listed in the mathematics section.

02203H AP Statistics (NEW DL COURSE!)

Prerequisite: AP Calculus
One Year: 1 Credit
Open to Grades: 12

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

In the spring, students will be given the opportunity to take the Advanced Placement Test for College Credit. Payment for taking this test will be the responsibility of the student.

NOTE: This class is also listed in the mathematics and DL sections.

03106H/12601-12602 AP Chemistry

Prerequisite: Chemistry, Algebra II, Physics, and Advanced Math (physics and advanced math may be taken concurrently with AP chemistry).
One Year: 1 Credit
Open to Grades 11-12

This course is an extension of chemistry. It pursues a more in depth understanding of chemical and physical changes. The course is geared toward those who plan on taking college chemistry.

In the spring, students will be given the opportunity to take the Advance Placement Test to receive college credit. Payment for the test will be the responsibility of the student.

NOTE: This class is also listed in the science section.

04256H/21333 AP Psychology

Prerequisite: Psychology I
One semester: .5 Credit
Open to Grades 11-12

Psychology II is a continuation of Psychology I. Students planning to take Psychology II must obtain a C or better in Psychology I. Topics covered in a typical semester include personality and intelligence testing, stress and health, psychological disorders (such as mood and personality disorders) and social psychology

In the spring, students will be given the opportunity to take the Advanced Placement Test to receive college credit. Payment for the test will be the responsibility of the student.

NOTE: This class is also listed in the social studies section.

TRANSCRIPTED CREDIT COURSES

High School instructors using college books and materials teach the courses listed below. Students receive college credit through NorthCentral Technical College. Many of these courses will transfer to other post-secondary institutions. It is the responsibility of the student to contact NTC following graduation in order to have official transcripts sent to the post-secondary institution of choice. Students enrolled in transcribed credit courses will also receive high school credit (dual credit).

12164H

TC Principles of Marketing

Prerequisite: None

One semester: .5 Credit

Open to Grades: 10-12

Did you know that four out of five careers deal with marketing? Start preparing yourself for your future with marketing I. Marketing is a project-centered course. Topics covered through this course include product/service management, distribution, selling, marketing-information management (MIM), financing, pricing, promotions and careers in marketing. Leadership skills will also be practiced in this course through solving business problems, public speaking and role playing.

NOTE: This class is also listed in the business section.

TC available to juniors and seniors only. Additional work may be required.

02153H/13251-13252

TC Technical Mathematics

One Year: 1 Credit

Prerequisite: Successful completion of Algebra I or successful completion of Intermediate Algebra I years 1 and 2

Open to Grades 11-12

This class focuses on the fundamental concepts of arithmetic, including fractions and decimals, algebra, including rearranging formulas, solving systems of linear and quadratic equations; geometry, including graphing and measurement and trigonometry. Students entering technical trade programs need to know these concepts.

NOTE: This class will transfer to NTC as "College Algebra with Applications."

This class is also listed in the mathematics section.

03053H/12411-12412

TC Anatomy & Physiology

Prerequisite: Physical Science and at least 2.0 GPA in Biology or Instructors approval

One Year: 1 Credit

Open to Grades 11-12

Anatomy and Physiology is an advanced, upper level course that focuses on the names of human body structures and the processes of how they work together. This course is designed for those motivated students interested in the study of the human body or for those planning on continuing their education beyond high school, either to college or to technical school in a medical area of study. Dissections are required.

NOTE: This class will transfer to NTC as "Body, Structure and Function."

This class is also listed in the science section.

18404H/16331-16332

TC Welding/General Shop

Prerequisite: Materials & Processes: Metals I

One Year: 1 Credit

Open to Grades 10-12

Welding is a metal fabrication and basic construction course. Included are units in welding where students receive experience in arc and oxyacetylene welding. Accelerated students also receive experience on the TIG and MIG machines. Students will do a project. **There will be a \$10.00 fee for projects.**

NOTE: This class is also listed in the agriculture and tech ed section

TC available to juniors and seniors only. Additional work may be required.

11155H/16243

TC Graphic Communication/Web Design

Prerequisite: Communications

One Semester: .5 Credit

Open to Grades: 10-12

Students in this class will expand their knowledge learned during communications and concentrate on the graphics side of communications. In this course, students will expand their knowledge in Web Design, 35 mm Photography, Advanced Digital Photography, Computer Animation, Photoshop and Screen Printing.

There will be a \$10.00 fee for materials used.

NOTE: This class will transfer to NTC as "Photoshop."

This class is also listed in the tech ed section.

10254H

TC IT Essentials: PC Hardware and Software (NEW DISTANCE LEARNING COURSE!)

The IT Essentials curriculum provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level information and communication technology (ICT) professionals. The students will learn basic computer concepts, identify all parts of a PC, identify and troubleshoot common PC hardware problems, and select quality PC's based on performance and cost. In addition the curriculum covers the fundamentals of PC technology, networking, and security, and also provides an introduction to advanced concepts. Students who complete this course will be able assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Hands-on labs and Virtual Laptop and Virtual Desktop learning tools help students develop critical thinking and complex problem-solving skills. The course helps students prepare for the Comp TIA A+ certification which helps students differentiate themselves in the marketplace to advance their careers. Students should have basic PC usage skills for this course.

NOTE: This class has been approved as a transcribed credit class through NTC.

NOTE: This class is also listed in the business and DL sections.

DISTANCE LEARNING CLASSES

Students planning to take Distance Learning courses are required to sign the Purchased Credit Agreement. A copy of this agreement is located in the last page of this booklet.

High School to High School Courses

(NOTE: The courses listed below are classes coming to Colby from other districts)

It is a possibility that there will be more High School-to-High School classes offered however, at the time of this printing, those classes are yet to be determined. Please see your counselor for further information.

02203H

AP Statistics (NEW DISTANCE LEARNING COURSE!)

Prerequisite: AP Calculus

One Year: 1 Credit

Open to Grades: 12

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 *In the spring, students will be given the opportunity to take the Advanced Placement Test for College Credit. Payment for taking this test will be the responsibility of the student.*

NOTE: This class is also listed in the math and AP sections.

03006G**Meteorology
(NEW DISTANCE LEARNING CLASS!)**

Prerequisite: None
One semester. .5 credit
Open to Grades 11-12

This course will provide a general survey of meteorology and climatology. Topics will include the Earth's atmosphere and its characteristics, weather instruments, air pressure, temperature, humidity, air masses, fronts, storms, precipitation and weather forecasting. Weather maps

NOTE: This class is also listed in the science section.

04152G**American Political Thought
(NEW DISTANCE LEARNING COURSE!)**

Prerequisite: none
One Semester. .5 Credit
Open to Grades: 11-12

This class will expand on the base that was formed during the previously taken Civics course. We will focus on American political thoughts and ideas and how they impacted the formation of our Constitution and how it impacts us today. The modern day influences on thoughts and government processes, including the media, opinion polls, interest groups, and political parties, will be examined in detail. We will compare our system to others and evaluate the pros and cons of the American system. During the year we will follow current trends and events in politics to connect them to the course.

NOTE: This class is also listed in the social studies section.

10254H**TC IT Essentials: PC Hardware and Software
(NEW DISTANCE LEARNING COURSE!)**

The IT Essentials curriculum provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level information and communication technology (ICT) professionals. The students will learn basic computer concepts, identify all parts of a PC, identify and troubleshoot common PC hardware problems, and select quality PC's based on performance and cost. In addition the curriculum covers the fundamentals of PC technology, networking, and security, and also provides an introduction to advanced concepts. Students who complete this course will be able assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Hands-on labs and Virtual Laptop and Virtual Desktop learning tools help students develop critical thinking and complex problem-solving skills. The course helps students prepare for the Comp TIA A+ certification which helps students differentiate themselves in the marketplace to advance their careers. Students should have basic PC usage skills for this course.

NOTE: The web site development class has been approved as a transcribed credit class through NTC.

NOTE: This class is also listed in the business and TC sections.

51053

**Graphic Novels: Images for Social Justice
(NEW DISTANCE LEARNING CLASS)**

Prerequisite(s): None
One Semester. .5 Credit
Open to: Grades 11-12

Students will discover that literature can take various forms as they read a variety of graphic novels dealing with social issues of alienation, prejudice, gender bias, love, war, culture shock, poverty, being different and fitting in. Through unique visual/word arrangements these media texts will help students analyze literacy elements, character and contrast, opinion, and problem/solution essays. In addition, student writers will consider the use of visual elements such as color, shading, panel layout, perspective, and font style as they read and create original graphic novels.

Note: This course is also listed in the English section

University to High School Courses

Certified university, college and/or adjunct instructors using college books and materials teach the courses listed below. Students receive 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 post-secondary institution. Students enrolled in 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 post-secondary 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.



01103H

UWMWC English 102 - Composition

Prerequisite: Placement Test (see counselor). Online special student application and submission of transcripts.
One Semester: DUAL CREDIT .5 CHS credit – 3.0 university credits
Open to Grade: 12

A rhetoric course that focuses on writing which presents information, ideas, and arguments, with attention to the essay and techniques of documentation. Emphasis will be on academic writing which is applicable across the curriculum.

NOTE: This class is also listed in the English section.



01053H

**UWMWC English 250 –
Introduction to Literary Studies**

Prerequisite: Placement Test (see counselor). Online special student application and submission of transcripts.
One Semester .DUAL CREDIT .5 CHS credit – 3.0 university credits
Open to Grades 12

Intensive analysis of literature, including poetry, drama and fiction, using representative types from several periods of literature.

NOTE: This class is also listed in the English section.



04063H UWMWC HIS 105 History of Western Civilization

Prerequisite: None. Online special student application and submission of transcripts.
One Semester. DUAL CREDIT .5 CHS credit – 3.0 university credits
Open to Grade: 12

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.

NOTE: This class is also listed in the social studies section.

04063H1 UWMWC HIS 106 History of Western Civilization (NEW DISTANCE LEARNING COURSE!)



Prerequisite: None. Online special student application and submission of transcripts.
One Semester. DUAL CREDIT .5 CHS credit – 3.0 university credits
Open to Grade: 12

Survey of Western Civilization from ancient times through 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.

NOTE: This class is also listed in the social studies section

Technical College to High School Courses

Certified university, college and/or adjunct instructors using college books and materials teach the courses listed below. Students receive 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 post-secondary institution. Students enrolled in 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 post-secondary 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.

21411H

Medical Terminology (510-120)

NorthCentral Technical College Course



Prerequisites: Successful completion of Biology ("C" Average) and Anatomy & Physiology ("C" Average): may be taken concurrently with Anatomy & Physiology.

One Semester: DUAL CREDIT .5 credits – CHS; 3.0 technical college credits

Using the word-building system, this course teaches students to pronounce, define, spell, build and analyze medical terms. This course is based on anatomy of the human body systems. There is no physiology included in this course. This course is required for the following programs: Medical Secretary and Health Care Business Services.

21103H

Introduction to Sign Language (533-100)

NorthCentral Technical College Course



Prerequisites: None

One Semester: DUAL CREDIT .5 credits – CHS; 3.0 technical college credits

Communication with the Deaf and Hard of Hearing is an introductory sign language course.

10151H

Current Events in Criminal Justice (10-504-173)

NorthCentral Technical College Course



Prerequisites: None

One Semester: DUAL CREDIT .5 credits – CHS; 3.0 technical college credits

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.



NTC CERTIFICATE PROGRAMS

The following programs are not only high school classes but NorthCentral Technical classes as well. Students who enroll in one of the below are not only taking a course but an entire program of study. This curriculum will give the student a “jump start” into their technical college career and many of the classes and or entire programs will ladder into a four year university plan. Students receive dual credit for the series which means that both high school and NTC credit is granted upon successful completion. Students will not be on CHS campus for most of the program.

Students planning to take Distance Learning courses are required to sign the Purchased Credit Agreement. A copy of this agreement is located in the last page of this booklet.

32001/32002 Manufacturing Certificate

One Year: 3 CHS credits – 13 NTC credits
Open to Grade 12

NorthCentral Technical College, in collaboration with several area high schools, including Colby, is offering a program to help students explore a career in the rapidly growing field of Manufacturing. Classes will be held afternoons, in lieu of regularly scheduled courses, at the NTC-Spencer Campus and Colby High School. Students will earn dual credits, both at NTC and Colby High School. Students will combine hands-on learning with classroom instruction through a variety of topics with may include: Critical Core Manufacturing Skills, Quality Manufacturing, Machine Tool and Welding.

33001/33002 Marketing Certificate

One Year: 3 CHS credits – 16 NTC credits
Open to Grade 12

NorthCentral Technical College, in collaboration with several area high schools, including Colby, is offering a program to help students explore a career in the rapidly growing field of marketing and business. Classes will be held afternoons, in lieu of regularly scheduled courses, at the NTC-Spencer Campus. Students will earn dual credits, both at NTC and Colby High School. Classes students will be enrolled in throughout the year include: Marketing Principles, Introduction to Business, Marketing Presentations, Entrepreneurship, Leadership Development and Customer Service.

35001/35002 Early Childhood Education Certificate

One Year: 3 CHS credits – 15 NTC credits
Open to Grade 12

NorthCentral Technical College, in collaboration with several area high schools, including Colby, is offering a program to help students explore a career in the field of early childhood education. Classes will be held afternoons, in lieu of regularly scheduled courses, at Spencer High School with possible practicum sites on that campus or at the Colby High School Little Stars site. Classes students will be enrolled in throughout the year include: Foundations of ECE, Health Safety and Nutrition, Art, Music and Language Arts, Child Development and Guiding Child Behavior.

36001/36002

Health Academy Certificate

One Year: 3 CHS credits – 12 NTC credits
Open to Grade 12

NorthCentral Technical College, in collaboration with several area high schools, including Colby, is offering a program to help students explore a career in the in-demand field of health. Classes will be held afternoons, in lieu of regularly scheduled courses, at the NTC-Spencer Campus.

Classes students will be enrolled in throughout the year include: Medical Terminology I, Advanced Medical Terminology II, Introduction to Health Careers and Body, Structure and Function.

PURCHASED CREDIT AGREEMENT

Agreement for Classes Purchased Outside The Realm of the Colby High School Curriculum Offerings

The following policy pertains to students who take part in class offerings from CWETN, through Contracted (University or Technical College), Transcribed Credit Courses, Virtual School courses or any other classes purchased outside the realm of the Colby High School curriculum offerings.

1. The School District of Colby agrees to pay the initial cost of the coursework offered from the classes types listed above.
2. If the student drops the class or does not complete the coursework required, the financial obligation becomes that of the parent/student. If the student does not receive a final grade of a C or better, the financial obligation becomes that of the parent/student. The parent/student will reimburse the School District for all costs pertaining to the course.
3. In order for a student to enroll in university/technical college coursework, they must meet all requirements established by both the UW/Wisconsin Technical College, and the Colby High School.
4. All parties involved must agree to the stipulation in this agreement before enrolling as verified with their signature.

Student

Date

Parent

Date

Counselor

Date

High School Principal

Date