

# COLBY HIGH SCHOOL



## COURSE DESCRIPTION BOOK

**2017-2018**

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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-Madison requires 2 credits in a single Foreign Language for admission. It is also strongly recommended at other UW system campuses and may be a requirement for graduation.

## ***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

## Language Arts:

English 9-10-11:

Communication (Speech or

Creative Writing and Presentation)

## 4.0 credits from the following:

1.0 credit each

.5 credit

Students must pass .5 credit of English during the senior year in one of these classes: **Creative Writing and Presentation, Multicultural Novels, Foundations of English, British and World Literature, Classical Mythology and Short Stories, UWMWC-English101, 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:

Citizenship:

World History

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

Personal Finance or Economics

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

*AP Psychology, Introduction to Sociology, Current Affairs, Street Law*

## 3.5 credits from the following:

1.0 credit

1.0 credit

1.0 credit

.5 credit

## Science:

Physical Science

Biology

Also 1.0 credit from the following:

**Chemistry, AP Chemistry, Physics, Anatomy & Physiology, Astronomy, Meteorology, Horticulture I, Animal Science**

## 3.0 credits from the following:

1.0 credit

1.0 credit

1.0 credit

## 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	Boys' Basketball Girls' Basketball Wrestling Forensics Madrigals	Baseball Golf Softball Track Forensics	Yearbook Chess Club FBLA FCCLA FFA Masquers (plays and musicals) NHS Skills USA Spanish Club Student Council

### 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. *Beginning with the 2017-2018 school year, per DPI standards, one semester credit offered by a post-secondary course will be equivalent to ¼ high school credit. Many post-secondary courses are worth three credits thereby, will be worth .75 high school credits.*

There are many post-secondary courses offered at the high school via distance learning. For those that are not, any student interested in pursuing additional Youth Options courses **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. **Per Colby School Board Policy, 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	(Communications course required one semester 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	
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/17143*****Dairy/Horse Science (2018-2019 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 (2017-2018 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.

**18502G/17173****Forestry (2017-2018 Year)**

Prerequisite: Plants, Animals and You (may be taken concurrently with PAY)

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. The school forest will be used in the instruction of this class.

**18504G/17183****Conservation & Natural Resources  
(2018-2019 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.

# **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.

## **22152G**

### ***Employability Skills***

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

This course is strongly recommended for all students. This course is designed to help all students gain the knowledge and skills necessary to have a successful job, career, and help make the transition into the adult working world. The major goal is to develop desirable personality traits and characteristics essential for success in the business world and to stress good work habits and to stimulate desirable attitudes toward work. Topics covered include resume and interview skills, work attitude, employer expectations, business manners, time management, and dressing for success.

## **12164E**

### ***Principles of Marketing (NTC DUAL CREDIT)***

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 dual credit class through NTC. DC available to gr 11 & 12 only.*

*This course will transfer to NTC class "Marketing Principles." Additional work may be required.*

*NOTE: This class is also listed in the dual 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 may be necessary.

**10004G****Computer Applications/Computer Essentials**

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.

## **10201G**

### **Web Page Design (NEW DISTANCE LEARNING COURSE!)**

Prerequisite: None  
One Semester: 1.0 Credit  
Open To Grades: 11-12

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

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

## **16001G**

### **Hospitality Management (DISTANCE LEARNING COURSE!)**

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

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

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

## **12054E**

### **Business Law (102-160) (NEW DISTANCE LEARNING COURSE!)**



Prerequisite: Introduction to Business  
One Semester: .5 Credit  
Open To Grades: 11-12

This distance learning course from CVTC is designed to help the student develop an understanding of the law and the relationship of the legal system to the business world. After consideration of the legal system, the course reviews contracts, sales and lease contracts, warranties, product liability, consumer law, bailments, creditors' rights, and bankruptcy.

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



# **ENGLISH**

## **01051G/10121-10122**

## ***English 9***

Prerequisite: None

One year: 1 Credit

Grade 9: Required

Focus will be on the plot elements of the short story, novel and drama, exploring basic techniques and literary elements. Informational readings will provide historical and analytical background. Students will learn and review new vocabulary words and grammar skills. Content readings will teach skills on identifying main and supporting ideas, as well as learning how to infer. Thematic units will culminate with PowerPoints, speeches, and/or a research or persuasion paper. Moodle and blended classroom work will supplement classroom learning.

## **01002G/10231-10232**

## ***English 10***

Prerequisite: None

One year: 1 Credit

Grade 10: Required

English 10 will expand on the techniques used in the genres of short story, drama and novels, with a more intensive focus on understanding character motivation, how writing techniques enhance the works, and how themes connect the genres. Nonfiction readings will focus on how ideas are communicated to recall or inspire. A career will be researched via online research, personal interview, on-site speakers and a higher education site tour. Students will use notecards and MLA citations to write an extensive research paper on their findings.

## **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 major emphasis on essay and persuasive writing. Students also use research techniques to become proficient in the use of the MLA citation format. . This class works at a faster pace than English 11B and covers additional readings.

**01151G/10153****Speech I**

Prerequisite: None

One semester: .5 Credit

Open to Grades 9-12

This class meets the communications requirement.

Speech I studies the basic process of communication. The first part of the semester will encompass background information on why and how oral communication occurs and is an integral part of the communication process. The second half of the semester will encompass public speaking situations, listening skills, interpersonal communication, and parliamentary procedure.

**01151E/10163****Speech II**

Prerequisite: Speech I

One semester: .5 Credit

Open to Grades 10-12

Speech II begins with reviewing and teaching the basics of speech. The course may include parliamentary procedure, job interviewing, commencement speeches, product marketing, and additional speaking situations.

***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.

**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

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

**01061G/10423****Multicultural Novels**

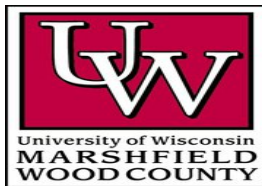
Prerequisite: English 10  
 One Semester .5 Credit  
 Open to Grades 11-12

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

Study will include the development of the English language and literature through the historical and literary eras, with supplemental readings and research on the historical events that promoted the style of writing and influenced the language used. Focus will start with the Anglo-Saxon period through the Victorian era. Literary essays will supplement the fictional readings.

**01103E/105101**

**UWMWC English 102 – Composition  
 (DISTANCE LEARNING COURSE)**

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.*

**01053E/105250**

**UWMWC English 250 –  
 Introduction to Literary Studies  
 (DISTANCE LEARNING COURSE)**

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

Learn what it takes to develop advanced food preparation skills and make smart choices for your family's well-being. This course is designed to build upon the knowledge learned in the Basic Foods. Students will explore: soups, sauces, baking, meal planning, knife skills, how to successfully prepare nutritious family meals with various meats and vegetables and more.

## **22202E/19133**

### ***World of Foods***

Prerequisite: Basic Foods  
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.

## **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

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 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. This course fulfills .5 credit of physical education and is offered to 10-12 grades.

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

# **FINE ARTS (ART, MUSIC & THEATER)**

## **ART (Reconfigured Art Program)**

### **05054G/18103**

### ***Visual Studies I***

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**

### ***Visual Studies II***

Prerequisite: Visual Studies or be a junior or senior  
One Semester: .5 Credit  
Open to Grades 9-12

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

### **05054E**

### ***Visual Studies III***

Prerequisite: Visual Studies I & II or be a junior or senior  
One Semester: .5 Credit  
Open to Grades 10-12

This elective class will concentrate on the two dimensional art, drawing, design and painting. The class will also concentrate on improving the thought process in communicating visual ideas.

### **05197E/18753**

### ***Advanced Art Independent Study***

Prerequisite: Completion of all visual studies courses.  
One Semester: .5 Credit  
Open to Grades 11-12

Upon completion of visual studies I, II and III, students may take an independent study. In this class, students will decide, along with the instructor, the chosen course of study. 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.

### **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. Students will be charged a fee of \$10.00 per class to cover the cost of this course.

### **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

Students will be charged a fee of \$10.00 per class to cover the cost of this course.

*NOTE: This class is also listed in the technology education section.*

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

Prerequisite: Visual Studies

One Semester: .5 credit per hour taken

Open to Grades: 9-12

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. Students will be charged a fee of \$20.00 per class to cover the cost of this course.

## **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.

**05116G/18191**

***History of Rock and Roll  
(NEW COURSE – TAUGHT BY CHS STAFF!)***

Prerequisite(s): None

(a student does not need to be enrolled in a music class to take this course)

One Semester: .5 Credit

Open to Grades: 9-12

This course will introduce students to the History of Music: Rock and Roll. Students will learn where rock music started, how it emerged and evolved, its highs and lows, its outlaws and visionaries, and how it changed social history. Students will get a chance to explore many of the revolutionary artists who defined rock 'n' roll, as well as the one hit wonders in genres from rockabilly to psychedelia, punk, metal, pop, country rock, and beyond. This is a listening intensive course also. Part of the work will be to develop critical listening skills.

**05113G/18183**

***Music Theory I***

Prerequisite: None

One Semester: .5 Credit

Open to Grades: 9-12

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

Note: Students wishing to take this class should be enrolled in a performance ensemble, or get special permission from the teacher

**THEATER**

**05055G/10513**

***Theater I***

Prerequisite: None

One Semester: .5 Credit

Open to Grades 9-12

Students study the basics of acting: observation, concentration, imagination, stage directions, and motivation. This is primarily an acting course. An acting performance is mandatory. Much memorization may be required. A willingness to take direction and often work outside of your comfort zone is fundamental to success.

**05055E/10523**

***Theater II***

Prerequisite: Theater I

One Semester: .5 Credit

Open to Grades: 10-12

(Theater I & II will be combined. It is possible to take two semesters of Theater for credit).

This course is a continuation/review of Theatre I with the added responsibility of direction. Students will be required to read, analyze, choose, cast and direct a play for performance. The play and actors will be chosen based on those available in the Theatre I class. As the director(s), the student(s) will be responsible for choosing/procuring props, costumes, stage dressing for the performance.



# **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, therefore earning retroactive credits.*

**06121G**

**French I  
(DISTANCE LEARNING COURSE)**

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

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

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

**06202G**

**German II  
(NEW DISTANCE LEARNING CLASS!)**

Prerequisite: Completed German I with passing grades  
One Year: 1 Credit  
Open to Grades: 9-12

German II is a seamless high school-to-high school continuation of German I, interacting with classmates and the teacher while developing greater proficiency in German. German II students will continue listening, speaking, reading, and writing German, as well as becoming more familiar with the country and culture of the people of Germany. Some review of first year German will occur during the beginning weeks of the class. (Students planning to attend a college/university may need two years of high school foreign language.)

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

## **MATHEMATICS**

### **02053G/13101-13102                      *Intermediate Algebra I – 1<sup>st</sup> 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 II – 2<sup>nd</sup> Year***

Prerequisite: Intermediate Algebra I

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.

### **02053G/13101-13102                      *Intermediate Algebra III – 1<sup>st</sup> Year***

Prerequisite: Algebra I or Intermediate Algebra I and II

One Year: 1 Credit

Open to Grades 10-12

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

**AND**

### **02054G/13201-13202                      *Intermediate Algebra IV – 2<sup>nd</sup> Year***

Prerequisite: Intermediate Algebra III

One Year: 1 Credit

Open to Grades 10-12

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

**OR**

## **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.

## **02153E/13251-13252 Technical Mathematics (NTC DUAL CREDIT COURSE)**

Prerequisite: Successful completion of Algebra I or successful completion of Intermediate Algebra I years 1 and 2  
One Year: 1 Credit  
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 dual credit class through NTC.*

*DC available to juniors and seniors only. Additional work may be required for dual credit.*

*This course will transfer to NTC class "Applied Mathematics."*

*NOTE: This class is also listed in the dual 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***  
**(NTC DUAL CREDIT COURSE)**

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

*NOTE: The Advanced Math class has been approved as a dual credit class through NTC.*

*DC available to juniors and seniors only. Additional work may be required for dual credit.*

*This course will transfer to NTC class "College Algebra with Applications."*

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

**02124E/13601-13602                      *AP Calculus***  
**(NTC DUAL CREDIT COURSE)**

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: The Calculus Math class has been approved as a dual credit class through NTC.*

*DC available to juniors and seniors only. Additional work may be required for dual credit.*

*This course will transfer to NTC class "Calculus I."*

*NOTE: This class is also listed in the AP and dual credit section.*

**02203E    *AP Statistics***  
**(DISTANCE LEARNING COURSE)**

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

The purpose of the high school-to-high school 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

In this course, students will acquire the knowledge, skills, and self-confidence they need to participate in a wide variety of physical activities. Students are continuing to build the skills introduced to them in previous grades in physical education. Students will be prepared for class and participate to their ability in skill work, fitness testing, and game situations. Students will develop the skills needed to perform lifelong physical activities. Students are required to demonstrate responsible social behaviors that promote personal and group success in physical activity. Assessments will be given in written, oral, and physical form of each of the content areas. Physical Education classes will engage in the following activities: swimming, softball, flag football, soccer, pickle ball, badminton, basketball, weight training, volleyball, fitness testing and lacrosse. This class is required before taking Lifetime Sports.

## **08004G/20313**

## ***Lifetime Sports***

Prerequisite: P.E. 9

One Semester: .5 Credit

Open to Grades 11-12

In this course, students will acquire the knowledge, skills, and self-confidence they need to participate in a wide variety of physical activities. Students are continuing to build the skills introduced to them in Fit Frosh. Students will be prepared for class and participate to their ability in skill work, fitness testing, and game situations. Students will develop the skills needed to perform lifelong physical activities. Students are required to demonstrate responsible social behaviors that promote personal and group success in physical activity. Assessments will be given in written, oral, and physical form of each of the content areas. Physical Education classes will engage in the following activities: swimming, softball, flag football, soccer, pickle ball, badminton, basketball, weight training, volleyball, bowling, golf, archery, Frisbee golf, ultimate Frisbee and lacrosse. Prerequisite of passing Fit Frosh before taking. Must be a junior or senior and can only take once per year unless needing both semesters in the senior year only.

*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 \$30.00 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

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 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. This course fulfills .5 credit of physical education and is offered to 10-12 grades.

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

**08010G/20213**

***Lifeguarding Training***

**OFFERED DURING SUMMER SCHOOL SESSION ONLY**

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. \$50 fee (includes materials) and must be 15 years old.

**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.

### **03106E/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**

**Anatomy & Physiology  
(NTC DUAL CREDIT COURSE)**

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 dual credit class through NTC.*

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

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

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

**03003G**

**Environmental Science  
(NEW DISTANCE LEARNING COURSE!)**

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

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

*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)

This course builds Social Studies skills in content reading, research, questioning, and problem solving. The course focuses on the time span from Ancient Mesopotamian civilizations to the post-WW II era. Areas of emphasis include world governmental developments, social changes, differences in perspectives, scientific and intellectual advancements, and cultural development. There will also be an inclusion of how past historical events 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 countries 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***

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. Students will be evaluating multiple types of sources, creating arguments using supporting details, and analyzing how history impacts the world today.

**04201G/14353****Economics**

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

This course introduces Economic skills in questioning, problem solving, and distinguishing between cause and effect. The course focuses on a basic understanding of economic principles including the study of economic systems, supply and demand, globalization, world economic demographics, and current government economic policies as they affect the economy.

*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.*

**04256E/21331-21332****AP Psychology  
(NTC DUAL CREDIT COURSE)**

Prerequisite: none  
One Year: 1 Credit  
Open to Grades 11-12

Psychology is the scientific study of human behavior. Topics covered in a typical year include child and adolescence development, the nervous system, altered states of consciousness such as dreams and sleep, learning and memory. Additional topics covered 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 and dual credit section.  
Additional work may be required for dual credit.*

**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**

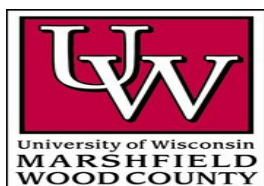
Prerequisite: none  
 One Semester: .5 Credit  
 Open to Grades 11-12

This course builds practical law skills of developing questioning skills, construct valid arguments, and research. This course focuses on the legal system, criminal law, and tort 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.

**04064G/14323****Current Affairs**

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

This course builds on previously learned social studies content and expands on current issues and trends related to countries around the world. Skills that will be developed will be evaluating different perspective, determining cause and effect, construct a valid argument, reading a variety of sources. Topics chosen for study and discussion involve materials that are all from within the last year. Topics covered may range from crime, technology, foreign affairs, politics, health, globalization, and social issues. A large variety of informational texts will be used to expand understanding and knowledge in this class.

**04063E/145105**

**UWMWC HIS 105 History of Western Civilization  
 (DISTANCE LEARNING CLASS)**

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 and university section.*

**04063E/145106**

**UWMWC HIS 106 History of Western Civilization  
 (DISTANCE LEARNING CLASS)**

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 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 course is also listed under DL and university section.*

## **TECHNOLOGY EDUCATION**

### **21102G/16221-16222**

### ***Introduction to Engineering Design***

Prerequisite: None  
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***

Prerequisite: Introduction to Engineering Design  
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 (2017-2018 School Year)***

Prerequisite: None  
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: None  
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. Pending Board of Education approval, the fee will increase to \$20.

### **17006E/16213**

### ***Woods II***

Prerequisite: 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. Pending Board of Education approval, the fee will increase to \$20.

**17006E1/16311-16312****Woods III (2018-2019 School year)**

Prerequisite: Woods I and 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. Pending Board of Education approval, the fee will increase to \$20.

**17002G/16421-16422****Construction (2017-2018 School Year)**

Prerequisite: Woods I and II

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. Pending Board of Education approval, the fee will increase to \$20.

**13052G/16123****Materials & Processes – Metals I**

Prerequisite: None

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. Pending Board of Education approval, the fee will increase to \$20.

**13052E/16223****Materials & Processes – Metals II**

Prerequisite: 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. Pending Board of Education approval, the fee will increase to \$20.

**18404G/16331-16332****Welding/General Shop  
(NTC DUAL CREDIT COURSE)**

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. Pending Board of Education approval, the fee will increase to \$20.

*NOTE: The Welding class has been approved as a dual credit class through NTC.*

*This course will transfer to NTC class "Introduction to Welding."*

*DC available to sophomores, juniors and seniors. Additional work may be required.*

*NOTE: This class is also listed in the dual 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. Pending Board of Education approval, the fee will increase to \$20.

**21103G/16153****Architectural Drafting  
(2017-2018 School Year)**

Prerequisite: None  
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: None  
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****Graphic Communication/Web Design  
(NTC DUAL CREDIT COURSE)**

Prerequisite: None  
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 dual credit class through NTC. This course will transfer to NTC class "Website Development."*

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

*NOTE: This class is also listed in the dual credit section*

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

Prerequisite: None  
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: 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 art section.*

**20103G/16353****Basic Auto  
(2017-2018 School Year)**

Prerequisite: Students will need to bring a vehicle to class.  
One Semester: .5 Credit  
Open to Grades: 09-12

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.



# 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.



**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**

### **02124E/13601-13602**

### **AP Calculus (NTC DUAL CREDIT COURSE)**

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: The calculus class has been approved as a dual credit class through NTC.*

*This course will transfer to NTC class "Calculus I."*

*NOTE: This class is also listed in the mathematics and dual credit section.*

### **02203E**

### **AP Statistics (DISTANCE LEARNING COURSE)**

Prerequisite: AP Calculus

One Year: 1 Credit

Open to Grades: 12

The purpose of the distance learning 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.*

### **03106E/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.*

### **04256E/21331-21332**

### **AP Psychology (NTC DUAL CREDIT COURSE)**

Prerequisite: none

One year: 1 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 and dual credit section.*

## **DUAL 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 dual credit courses will also receive high school credit (dual credit). This only applies to juniors and seniors with the exception of welding, where sophomores may earn dual credit. Additional work may be required to receive dual credit.

### **04256E/21331-21332**

### ***AP Psychology***

Prerequisite: none  
One Year: 1 Credit  
Open to Grades 11-12

Psychology is the scientific study of human behavior. Topics covered in a typical year include child and adolescence development, the nervous system, altered states of consciousness such as dreams and sleep, learning and memory. Additional topics covered 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 and social studies section.*

### **12164E**

### ***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 dual credit class through NTC.*

*This course will transfer to NTC class "Marketing Principles."*

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

### **02153E/13251-13252**

### ***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 dual credit class through NTC.*

*This course will transfer to NTC class "Applied Mathematics."*

*This class is also listed in the mathematics section.*



## **02124E/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 to receive college credit.*

*Payment for taking this test will be the responsibility of the student.*

*NOTE: The calculus has been approved as a dual credit class through NTC.*

*This course will transfer to NTC class "Calculus I."*

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

## **03053E/12411-12412**                      **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.*

## **18404E/16331-16332**                      **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 dual credit class through NTC.*

*This course will transfer to NTC class "Introduction to Welding."*

*NOTE: This class is also listed in the technology education section.*

## **11155E/16243**                                      **Graphic Communication/Web Design**

Prerequisite: Communications  
One Semester: .5 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 Graphic Communication/Web Design class has been approved as a dual credit class through NTC.*

*This course will transfer to NTC class "Website Development."*

*NOTE: This class is also listed in the technology education section.*

# **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)

### **06121G                      *French I***

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

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

*NOTE: This class is also listed in the foreign language section section.*

### **06202G                      *German II (NEW COURSE!)***

Prerequisite: Completed German I with passing grades  
One Year: 1 Credit  
Open to Grades: 9-12

German II is a seamless high school-to-high school continuation of German I, interacting with classmates and the teacher while developing greater proficiency in German. German II students will continue listening, speaking, reading, and writing German, as well as becoming more familiar with the country and culture of the people of Germany. Some review of first year German will occur during the beginning weeks of the class. (Students planning to attend a college/university may need two years of high school foreign language.)

*NOTE: This class is also listed in the foreign language section*

### **02203E                      *AP Statistics***

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

The purpose of the **distance learning** 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.*

**03003G*****Environmental Science  
(NEW COURSE!)***

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

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

*NOTE: This class is also listed in the Science section.*

**16001G*****Hospitality Management***

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

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

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

**10201G*****Web Page Design  
(NEW COURSE!)***

Prerequisite: None  
One Semester: 1.0 Credit  
Open To Grades: 11-12

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

*NOTE: This class is also listed in the business 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). *Beginning with the 2017-2018 school year, per DPI standards, one semester credit offered by a post-secondary course will be equivalent to ¼ high school credit. Many post-secondary courses are worth three credits thereby, will be worth .75 high school credits.*

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.



### **01103E/105102 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.*



### **01053E/105250 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.*



**04063E/145105 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.*



**04063E/145106 UWMWC HIS 106**  
***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 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 course is also listed under DL and university 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). *Beginning with the 2017-2018 school year, per DPI standards, one semester credit offered by a post-secondary course will be equivalent to ¼ high school credit. Many post-secondary courses are worth three credits thereby, will be worth .75 high school credits.*

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.

### **21103E 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.

### **10151E 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.

### **12054E Business Law (102-160) (NEW COURSE!)**



Prerequisite: Introduction to Business

One Semester: .5 Credit

Open To Grades: 11-12

This distance learning course from CVTC is designed to help the student develop an understanding of the law and the relationship of the legal system to the business world. After consideration of the legal system, the course reviews contracts, sales and lease contracts, warranties, product liability, consumer law, bailments, creditors' rights, and bankruptcy.

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

## **NTC CERTIFICATE/ACADEMY PROGRAMS**



The programs listed on the next several pages 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.

Classes will be conducted throughout the school year from 1 – 3 pm. The location of the coursework varies depending upon the program. The Culinary and Education Program will be held at the Spencer High School. The Manufacturing Program will be held at the Colby High School.

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

## **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), Dual 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