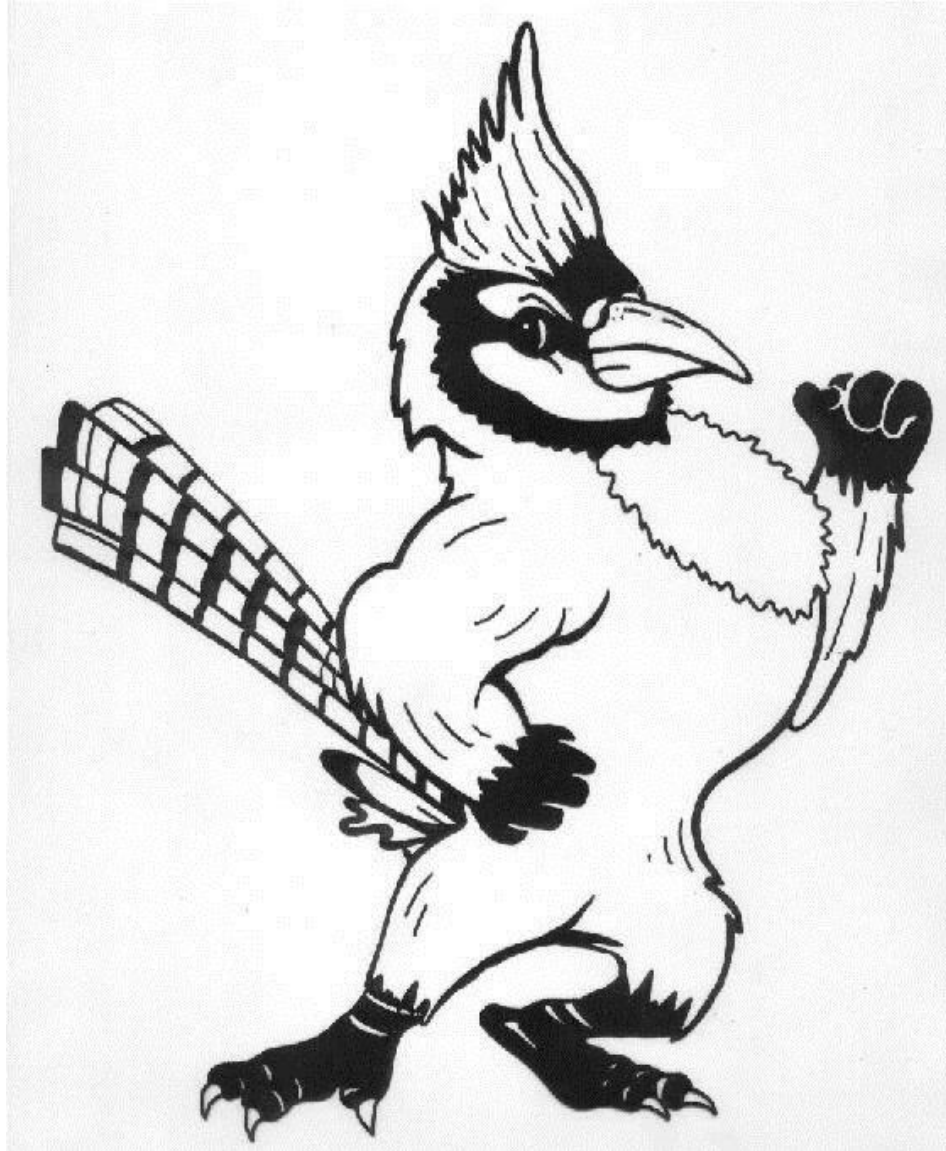


COURSE DESCRIPTION BOOK



CAMBRIDGE HIGH SCHOOL

Cambridge, Wisconsin

January – 2015

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NON-DISCRIMINATION POLICY

The School District of Cambridge does not discriminate against pupils on the basis of sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disabled in its education programs or activities. The School District of Cambridge will consider requests for reasonable accommodation of a student's sincerely held religious beliefs with regard to all examinations and other academic requirements. The School District of Cambridge does not discriminate in employment on the basis of age, race, color, national origin, sex, disability, creed, marital status, ancestry, arrest record or conviction record, or sexual orientation. Inquiries concerning the laws and regulations and how they apply to the District may be referred to: Pupil Service Director, 403 Blue Jay Way, Cambridge, WI 53523

THINGS YOU SHOULD KNOW WHEN PLANNING YOUR CHS EDUCATION

Most general education requirements for post high school eligibility and high school graduation requirements can be achieved through the standard CHS curriculum. In some case students may either exceed the regular curriculum or pursue a particular area of study in greater detail. The following options are available to students who meet appropriate Pre-Requisites, or who wish to pursue a specific career path.

Graduation Requirements and School Policy

All students are required to carry at least 6.5 credits per year and must complete a minimum of twenty-five (25) credits to be eligible for graduation. In addition, the Cambridge School District graduation policy also requires students to successfully complete a portfolio, Exit Interview, and receive CPR certification.

The maximum number of credits that can be earned towards graduation requirements for Work Experience is 2.00 credits, for Peer Assisting is 1.00 credit and for Service Credit is 1.00 credit.

The School District of Cambridge does not issue a diploma to students who pass the GED/HSED exam. Diplomas will only be issued upon completion of high school classes or pre-approved correspondence and Youth Option. courses, and when a student meets the minimum graduation requirements as indicated above.

All students who have attended school on a regular basis and have earned the necessary credits will be allowed to take part in graduation ceremonies. Credit deficient students may ask to participate in graduation providing their credit deficiency is no greater than one (1). This requirement may be waived with administrative approval. Students not meeting the graduation requirements will have an asterisk placed by their name on the program noting they have a "credit deficiency". This policy will not hamper students from earning a diploma at a later date. Anyone who does not wish to take part in the graduation exercise may have the option of not attending.

It is the policy of the School District of Cambridge that no person may be denied admission to any public school in this district or denied participation in, be denied the benefits of, or be discriminated against in any curricular, extracurricular, pupil service, recreational, or other program or activity because of the person's sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap.

Career Pathways and Career Clusters

The CHS course guide indicates the various career clusters and pathways that students may pursue. These pathways enable the student to plan a sequence of study that prepares them for their desired post high school training. By connecting today's high school education to future post high school goals, the student is better able to select courses that are relevant, and more adequately prepare them for life beyond high school. The following are programs of study that students may wish to consider:

Advanced Placement Courses

The Advanced Placement (AP) Program is a cooperative educational endeavor between the secondary schools and colleges and universities. It allows the high school student to experience college-level academics while still in the high school setting. Students are then allowed to show that they have mastered the advanced material by taking AP exams.

Advanced Placement Exams are given during the month of May. Exams are a combination of multiple-choice and essay questions. Every examination receives an overall grade on a five-point scale: 5 (extremely well qualified); 4 (well qualified); 3 (qualified); 2 (possibly qualified); and 1 (no recommendation). Students can receive credit, advanced class placement, or both, from thousands of colleges and universities that participate in the Advanced Placement Program. (NOTE: Students are responsible for the exam fee.)

AP courses **place substantial academic demands on students**. Most courses are a full year in length. Students are required to do considerable outside reading and other assignments and to demonstrate the analytical skills and writing abilities expected of first-year students in a strong college program. This experience helps them develop the intellectual skills and self-discipline they will need in college. Generally, students should have a grade history no lower than a B+ in related content to be successful in AP classes.

Due to the high degree of rigor involved in AP courses, and in order to challenge students to maintain a high degree of academic rigor as they prepare for post-high school, the grades earned in AP courses will not be computed into the GPA for class rank purposes. However, the grades will be reflected on the student transcript for college admission purposes. Students who fail to maintain an honest effort will be removed. Students must take the AP exam and meet the final exam exemption criteria in order to be eligible to waive the semester final in an AP course.

Your school counselor or the TAG Coordinator can help you determine which AP courses may be good for you. Plan ahead in the ninth or tenth grade so you will have the appropriate background courses for the AP classes offered during your junior or senior year. For further information, contact your school counselor. CHS offers AP courses in all core subject areas. More information and a list of offerings can be found in the section entitled On-Line/AP Courses found on pages 61-63, followed by the AP Course Request Form.

Career/Technical Education (CTE)

CTE courses prepare students for high skill, high pay, and high demand careers. By integrating Math and Science concepts, CTE classes can help students to see the connection between their core academic classes, and their post high school interests. Involving students in CTE classes often results in higher attendance rates, higher graduation rates, and higher post high school attendance rates according to ACTE.

CHS students are fortunate to have the following CTE programs to choose from:

- Agricultural Sciences (Plant and Animal)
- Business/Accounting/Finance
- Carpentry/Construction/Woodworking
- Culinary Arts
- Child Care
- Drafting/Architecture
- Health Careers
- Marketing

Students already involved in a career pathway should continue to take as many courses as possible, and to take advantage of advanced standing credits, and industry certifications.

Students still exploring career options should continue to take as many CTE classes as possible to see which career option best fits their needs before leaving high school and beginning a post-high school program.

Note: Beginning with the class of 2017 all students must complete 2.0 CTE credits for graduation, to include .5 Careers, .5 Personal Finance and at least 1.0 elective credit.

College and Career Information

College bound students should earn a minimum of seventeen (17) credits in the fields prescribed by the college of their choice. Students should carefully check with the school counselor to be certain they are meeting the entrance requirements of their college. Those courses which usually qualify as academic units are from the following subject areas: English, Mathematics, Science, Social Studies and Foreign Language. However, NOT all courses from these subject areas may meet college admission requirements. Therefore, students are encouraged to work closely with the school counselor as they plan for their high school schedules.

The University of Wisconsin-Madison and the University of Wisconsin-Eau Claire will require the completion of two years of high school foreign language prior to entering as a freshman.

Because admission requirements for post-secondary education are constantly changing, students should check admissions requirements for private colleges and out-of-state universities by reviewing the appropriate college website or by contacting the high school counselor. Students are encouraged to review admissions requirements for both colleges and vocational schools early in their high school years, avoiding limiting future choices and alternatives. The following are four very good resources to guide your career and academic exploration:

Driver's Education Courses

CESA 2 provides both an in-house driver's education class as well as an on-line class. Registration forms for the classes held at Cambridge High School are available at the main office. For information regarding the on-line driver's ed class, go to <http://online-drivered.cesa2.org/?school=s003>.

Industry Certification

Industry certification programs are programs that offer an industry accepted skills certificate upon successful completion. CHS offers Industry certifications in the following:

- Pro Start – Culinary Arts
- MOS - Microsoft Office Specialist
- Nursing Assistant
- Child Care Assistant

Project Lead The Way

PLTW is a pre-engineering program designed to expose students to the basic coursework and rigor that is required in a four year college engineering program. It involves a four year high school sequence of technical education and math/science courses, combined with other college preparatory classes. Although CHS does not formally participate in the PLTW initiative, the following sequence of courses are encouraged for students interested in engineering:

- Exploratory Technology
- Electricity/Electronics
- Drafting and Design
- Metals Technology
- Construction
- Physics, Chemistry, Advanced Chemistry
- Algebra I, Geometry, Algebra II
- Statistics, AP Calculus

Retro Credit Options

The retro credit option is a way of earning college credit for foreign language courses taken while in high school. The college placement exam will place students according to the next level that should be taken. If the student takes that next level of foreign language and earns a grade of "B" or better, he/she will automatically earn the college credits for each previous level course. Former CHS students have been known to earn up to 12 retro credits by participating in this program.

Shared Courses

Cambridge High School has engaged in a reciprocity agreement with Deerfield High School where students from each school can benefit by taking courses that may not be offered at their home school. Examples of courses offered through Deerfield High School that are available to CHS students include Programming classes, 3D Design and Animation, Website Development, Digital Multimedia, Forensic Science, Art History, and Music Technology. For questions regarding shared courses please see your counselor.

Youth Options

The Youth Options program allows students that are in good standing to pursue courses beyond those offered through the regular curriculum. Youth Options courses can be accessed either through distance learning, on-line learning Talented and Gifted programs, or by actually attending a local technical college or university. Students interested in taking youth options courses must be in good academic standing, and should contact the guidance office. Youth options courses are a great option for gifted students, or students that are truly committed to a specific career path. Specific timelines for application and approval must be followed. Students interested in Youth Options courses must understand the qualifying criteria:

*Only students in 11th and 12th grade qualify to enroll in one or more nonsectarian courses (for up to 10 credit hours per semester and no more than 18 credit hours total) at a UW campus, a Technical College, or a private, nonprofit college located in the state.

*Students must understand that post-secondary admittance is contingent on meeting entrance requirements and the availability of space during the fall, winter, or spring semester.

*The school district will determine whether the requested course satisfies graduation requirements, and what, if any, high school credits are to be awarded to the pupil. Students may appeal the district's determination to the State Superintendent.

*Upon successful completion of the course with a grade of "C" or better, one standard college credit will be converted to 0.25 high school credits.

*Application forms are available from the high school counselor. Completed applications must be submitted to the Board of Education for approval by March 1, for the next fall semester and October 1, for the next spring semester.

*Only courses that do not substantially duplicate an offering in the high school will qualify for this program. Any student, who seeks to take a comparable course, must be granted permission from the school district for release time and will be expected to pay the entire cost.

*Post-secondary courses taken for high school credit require that the pupil's school district reimburse actual cost of tuition, fees, books and other necessary material directly related to the courses taken from a UW campus or a technical college. Any books or equipment purchased by the school will become property of the School District of Cambridge and must be turned in at the conclusion of the course.

*The school district will seek reimbursement from the student's parent/guardian if a student receives a failing grade or fails to complete a Youth Options course.

*If the pupil attends a private college, the school district must pay the lesser of: the actual cost of tuition, fees, books and other material; or an amount determined by multiplying the statewide shared cost per high school credit (as computed by DPI) by the number of high school credits taken at the private college. Transportation costs may also be reimbursed for low-income families.

Course Options

2013 Wisconsin Act 20, the 2013-15 biennial budget act, eliminated Part-Time Open Enrollment and, in its place, established a new program for students entitled Course Options. Course Options still provides a means for Wisconsin students to take courses offered by other Wisconsin school districts, but now also includes the opportunity for students to enroll in courses offered by charter schools, various institutions of higher education, and approved nonprofit organizations at no cost to the student.

Specifically, the new Course Options law allows a pupil enrolled in a public school district to take up to two courses at any time from an educational institution. Wisconsin Educational institutions are defined under the Course Options statute as:

- A public school in a nonresident school district;
- the University of Wisconsin System;
- a technical college;
- nonprofit institutions of higher education;
- a tribal college;
- a charter school; and
- a nonprofit organization that has been approved by the Department of Public Instruction (DPI).

Click the following link for additional information about Course Options including the application form and guidance for submitting and processing the application. <http://courseoptions.dpi.wi.gov/>

On-Line Courses

CHS offers a number of on-line courses to help compliment a student's course of study. Students and parents are encouraged to meet with their counselor to discuss whether or not on-line courses may be an appropriate compliment for their course of study. If appropriate, the counselor will facilitate registration in the desired on-line course. Credit for on-line courses will be earned upon successful completion of the course. The school will pay for the course as long as the student maintains a passing grade. The student must reimburse the district for all costs of an on-line course if s/he either drops the course, or fails to successfully complete the course.

Work-Based Learning

Work-based learning programs are programs available to Junior and Senior students. These programs follow a prescribed sequence of courses in a specific career path, and are complimented by a school supervised work-based training activity. CHS offers the following work-based learning programs:

Youth Apprenticeships

Available to Juniors and Seniors, Youth Apprenticeships involve advanced coursework and work based training in a specific career path. YA students must be in good academic standing have excellent attendance and have taken a coherent sequence of relevant coursework. Upon successful completion of a prescribed sequence of coursework, 450 hours of related work-based training, and completion of a competency checklist, students are granted a level 1 Youth Apprenticeship Certificate by the Wisconsin Division of Workforce Development. A two year sequence of study, combined with 900 hours of work-based training and successful completion of a 2 year competency check list, qualifies the student for a certificate of occupational proficiency from the DWD. Many of these programs also qualify students for advanced standing within the Wisconsin Technical College System. Youth Apprenticeship options currently available to CHS students include:

- Automotive Technician
- Health Services
- Biotechnology
- Production Agriculture
- Protective Services
- Finance
- Information Technology
- Pharmacy Technician
- Tourism

Students wishing to pursue a Youth Apprenticeship program should contact the guidance office. An application and screening process will determine eligibility.

Cooperative Education Programs

This program is available to seniors who have completed a prescribed sequence of courses in a given career path. Students must be in good academic standing, and participate in a minimum of 15 hours of work-based learning per week. In addition students are required to participate in a daily classroom component. Students must apply for this program at the time of registration. The application and screening process will determine eligibility. Cooperative Education experiences are offered in the following areas:

- Business
- Marketing
- Finance
- Health Careers
- Agriculture
- Child Care
- Culinary Arts/Food Prep

Dual Credit Courses

Dual Credit courses are advanced level courses that have been reviewed by the local technical school, and approved as an acceptable alternative to taking that same course at the technical college level. Students who successfully complete dual credit courses with a "B" or better are given advanced placement status at the technical college. CHS offers articulated courses in the following areas:

- Microsoft Word
- Microsoft Excel
- Microsoft Power Point
- Math Concepts
- Health Career Exploration

- Medical Terminology
- Culinary Arts Food Preparation
- Child Care

Wisconsin Careers: internet site: wiscareers.wisc.edu. Students can log on to this program by using the student registration code: chs_c472. Students will need to create a username and password to have access to the college and career resource.

UW System Colleges and Universities: internet site: uwhelp.wisconsin.edu. Provides you with information about the University of Wisconsin System and the 13 Freshman Sophomore university colleges.

Wisconsin Private Colleges: internet site: www.wisconsinmentor.org

Wisconsin Technical Colleges: internet site: www.witechcolleges.com

General College Information: internet site: www.knowhow2go.com. Provides you with the four steps to college and useful career information for each grade level.

CAMBRIDGE HIGH SCHOOL GRADE LEVEL BREAK DOWN

Grade 9	Grade 10	Grade 11	Grade 12*
Required Courses (4.0 credits)	Required Courses (5.0 credits)	Required Courses (3.0 credits)	Required Courses (2.0 credits)
English 9 (1.0) Math (1.0) Biology (1.0) Phy. Ed. (0.5) Health (0.5)	English: English 10 (1.0) Math (1.0) Physical Science (1.0) World History (1.0) Phy. Ed. (0.5) Careers (0.5)	English 11 (1.0) US History (1.0) Phy. Ed. (0.5) Personal Finance (0.5) An additional credit of Math & Science will be required for the class of 2017 and beyond.	English Elective (0.5) English Elective (0.5) Government/Econ (0.5) Social Studies Elective (0.5) CPR Exit Interview
Elective Courses (2.5 – 4 credits)	Elective Courses (1.5 – 3 credits)	Elective Courses (3.5 - 5 credits) (1.5-3 credits) for 2017 and beyond	Elective Courses (4.5 – 6 credits)
MINIMUM COURSE LOAD IS 6.5 CREDITS/YEAR	6.5 MINIMUM COURSE LOAD IS 6.5 CREDITS/YEAR	MINIMUM COURSE LOAD IS 6.5 CREDITS/YEAR	MINIMUM COURSE LOAD IS 6.5 CREDITS/YEAR

Notes:

Two credits of math are required to include a minimum of Algebra I and Geometry. All math courses require teacher recommendation.

Students may waive Physical Science and take Chemistry only with consent of instructor.

Beginning with the Class of 2017 all students must complete 2.0 CTE credits for graduation, to include .5 Careers, .5 Personal Finance, and at least 1.0 elective credit. In addition, they must complete 3 credits of math and science.

Elective courses include any additional courses found in the course description guide.

College bound students should earn a minimum of seventeen (17) credits in the areas of math, English, science, social studies and foreign language. This may also include a maximum of two credits in the fine arts or other academic areas. See your school counselor for more details.

Students who participate in at least three (3) different seasons of a varsity sport may be eligible to waive .5 credit of PE in lieu of taking another core academic course. (BOE Policy #345.54)

POST-HIGH SCHOOL 4-YEAR PLANNING GUIDE

As you prepare to register for classes for next school year, please be reminded of the following graduation requirements. It is your responsibility to research the entrance requirements for the college or post-high school institution of your choice. If questions, please contact your school counselor at (608) 423-3261, ext. 3117.

CHS Requirements

Subject	CHS Requirements: <ul style="list-style-type: none"> ✓ 25 Total Credits ✓ Successful completion of the following subject and credit requirements:
English	4 Credits including: <ul style="list-style-type: none"> ✓ English 9 ✓ English 10 ✓ English 11 ✓ 1.0 credit of senior English electives
Social Studies	3 Credits including: <ul style="list-style-type: none"> ✓ World History ✓ U.S. History ✓ Government and Economics ✓ .5 credit of Social Studies elective
Science	2 Credits including: <ul style="list-style-type: none"> ✓ Biology ✓ Physical Science (or Chemistry if approved by instructor) 3 credits beginning w/the class of 2017
Math	2 Credits to include competency in Algebra I and Geometry 3 credits beginning w/the class of 2017
Physical Education	1.5 Credits including: <ul style="list-style-type: none"> ✓ Physical Education 9 ✓ Physical Education 10 *.5 credit of Phy Ed. 11/12 or Life guarding
Health	.5 Credit including: <ul style="list-style-type: none"> ✓ Health
Careers	.5 Credit including: <ul style="list-style-type: none"> ✓ Careers
Personal Finance	.5 Credit including: <ul style="list-style-type: none"> ✓ Personal Finance
Electives	10 Credits—8 beginning w/class of 2017 (to include 1.0 CTE credit)
Total	25 Credits

**Students participating in at least three (3) different seasons of a varsity sport may apply to waive .5 credit of Phy Ed in lieu of taking another core academic class (BOE Policy 345.54)*

4 Year College/University Requirements

Subject	Entrance Requirements for MOST University of Wisconsin Schools** <ul style="list-style-type: none"> ✓ 23-27 Composite ACT score ✓ Rank in top 50% of class ✓ Successful completion of the following subjects:
English	4 Credits
Social Studies	3 Credits
Natural Sciences	At least 3 Credits including: <ul style="list-style-type: none"> ✓ Physical Science ✓ Biology ✓ Chemistry ✓ Physics, Advanced
Math	3 Credits including: <ul style="list-style-type: none"> ✓ Algebra ✓ Geometry ✓ Algebra II
World Languages	Recommended: 2 years of a single world language (UW Madison and UW Eau Claire Require 2 years of a single world language for entrance.) Please verify the entrance requirements for the school(s) you are interested in attending.
Electives	4 Credits
Total Credits	17 Credits

****Please verify admission requirements with the specific school of your choice**

The 16 Career Clusters

	<p>The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.</p>
	<p>Careers in designing, planning, managing, building and maintaining the built environment.</p>
	<p>Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.</p>
	<p>Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.</p>
	<p>Planning, managing and providing education and training services, and related learning support services.</p>
	<p>Planning, services for financial and investment planning, banking, insurance, and business financial management.</p>
	<p>Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.</p>
	<p>Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.</p>
	<p>Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.</p>
	<p>Preparing individuals for employment in career pathways that relate to families and human needs.</p>

	<p>Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.</p>
	<p>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</p>
	<p>Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.</p>
	<p>Planning, managing, and performing marketing activities to reach organizational objectives.</p>
	<p>Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.</p>
	<p>Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.</p>

CAREER PROGRAM OF STUDY

AGRISCIENCES

ANIMAL SYSTEMS

	Grade 9	Grade 10	Grade 11	Grade 12
HIGH SCHOOL	Required Courses <i>English:</i> English I <i>Math:</i> Algebra I <i>Science:</i> Biology <i>Social Studies:</i> N/A Health PE 9	Required Courses <i>English:</i> English II <i>Math:</i> Geometry <i>Science:</i> Chemistry <i>Social Studies:</i> World History C.A.R.E.E.R.S. PE 10	Required Courses <i>English:</i> English III <i>Math:</i> Algebra II <i>Science:</i> Advanced Biology <i>Social Studies:</i> US History PE 11/12 Personal Finance	Required Courses <i>English:</i> 2 Electives <i>Math:</i> tbd <i>Science:</i> tbd <i>Social Studies:</i> Govt/Econ Social Studies Elective PE 11/12
	Related Elective Courses (2.5 Credits) -Plants, Animals and You -Plants, Animals and You II	Related Elective Courses (1.5 Credits) -Animal Science -Small Animal Science	Related Elective Courses (1.5 Credits) - Natural Resources -Equine Science	Related Elective Courses (2.5 Credits) -Agricultural Sales, Marketing & Communication -Agriculture CO-OP -Vet Science

Post-SECONDARY	Wisconsin Technical College System (Career Programs Page)	College/University System (Career Poster)
	<input checked="" type="checkbox"/> Agricultural Science Technician <input checked="" type="checkbox"/> Bioscience Technician <input checked="" type="checkbox"/> Biotechnology Laboratory Technician <input checked="" type="checkbox"/> Dairy Herd Management <input checked="" type="checkbox"/> Dairy Science	<input checked="" type="checkbox"/> Agriculture Education <input checked="" type="checkbox"/> Animal Science <input checked="" type="checkbox"/> Wildlife Ecology

CAREER ENHANCEMENT	Work/School Activities School Activities: ▶ FFA ▶ SAE ▶ CO-OP	Job Shadows/Community Service Community Activities: ▶ Job shadow professionals ▶ Join youth clubs (4-H) ▶ Volunteer in the community ▶ Part-time employment available within this career cluster ▶ Internships available within this career cluster	Youth Apprenticeship ▶ Animal Caretaker ▶ Farm Worker ▶ Feed Mill Laborer ▶ Wildlife Conservationist ▶ Veterinary Assistant
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Potential Occupations:

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> ▶ Agricultural Educator ▶ Animal Caretaker ▶ Animal Nutritionist ▶ Aquaculturalist ▶ AI Technician ▶ Dairy Producer ▶ Equine Manager | <ul style="list-style-type: none"> ▶ Feed Sales Representative ▶ Livestock Buyer ▶ Livestock Geneticist ▶ Livestock Inspector ▶ Livestock Producer ▶ Meat Science Researcher ▶ Physiologist | <ul style="list-style-type: none"> ▶ Wildlife Biologist ▶ USDA Inspector ▶ Veterinarian ▶ Veterinary Assistant |
|--|--|--|

CAREER PROGRAM OF STUDY

AGRISCIENCES

ENVIRONMENTAL SERVICE SYSTEMS

HIGH SCHOOL	Grade 9	Grade 10	Grade 11	Grade 12
	Required Core Courses English: English I Math: Algebra I Science: Biology Social Studies: N/A	Required Core Courses English: English II Math: Geometry Science: Chemistry Social Studies: World History	Required Core Courses English: English III Math: Algebra II Science: Advanced Biology Social Studies: US History	Required Core Courses English: 2 Electives Math: tbd Science: tbd Social Studies: Govt/Econ
	Other Required Courses Health PE 9	Other Required Courses C.A.R.E.E.R.S. PE 10	Other Required Courses PE 11/12 Personal Finance	Other Required Courses Social Studies Elective PE 11/12
Related Elective Courses (2.5 credits) Spanish I Plants, Animals, and You Plants, Animals and You II	Related Elective Courses (1.5 credits) Spanish II Animal Science Small Animal Science	Related Elective Courses (1.5 credits) Horticulture Natural Resources Vet Science	Related Elective Courses (2.5 credits) Horticulture II & Landscaping Agricultural Sales, Marketing & Communication Agriculture CO-OP	

Post-SECONDARY	Wisconsin Technical College System www.witechcolleges.com	College/University System www.uwhelp.wisconsin.edu
	<input checked="" type="checkbox"/> Arboriculture/Urban Forestry Technician <input checked="" type="checkbox"/> Environmental and Pollution Control Tech. Arboriculture/Urban Forestry Technician <input checked="" type="checkbox"/> Bioscience Technician <input checked="" type="checkbox"/> Biotechnology Laboratory Technician <input checked="" type="checkbox"/> Environmental and Pollution Control Tech	<input checked="" type="checkbox"/> Agriculture Education <input checked="" type="checkbox"/> Forestry <input checked="" type="checkbox"/> Reclamation, Environment and Conservation <input checked="" type="checkbox"/> Wildlife Ecology

CAREER ENHANCEMENT	Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
	School Activities: ▶ FFA ▶ SAE ▶ CO-OP	Community Activities: ▶ Job shadow professionals ▶ Join youth clubs (4-H) ▶ Volunteer in the community ▶ Part-time employment available within this career cluster ▶ Internships available within this career cluster	▶ Forestry ▶ Farm Worker ▶ Wildlife Biologist ▶ Wildlife Conservationist ▶ Land Surveyor ▶ Aquaculturalist ▶ Others as related

Potential Occupations:

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> ▶ Agricultural Educator ▶ Biorefinery Technology ▶ DNR Agent ▶ Aquaculturalist ▶ Nuclear Technology ▶ Natural Resources Technician | <ul style="list-style-type: none"> ▶ Environmental Health & Water Quality Technology ▶ Environmental Education Coord./Director ▶ Forester ▶ Limnologist ▶ Wind Energy Technology | <ul style="list-style-type: none"> ▶ Renewable Thermal Technology Technician ▶ Wildland Fire Fighter ▶ Wildlife Biologist ▶ Camp Director ▶ Renewable Electricity Technician ▶ Renewable Energy Specialist |
|---|---|--|

CAREER PROGRAM OF STUDY

AGRISCIENCES

PLANT SYSTEMS

	Grade 9	Grade 10	Grade 11	Grade 12
HIGH SCHOOL	Required Core Courses English: English I Math: Algebra I Science: Biology Social Studies: N/A	Required Core Courses English: English II Math: Geometry Science: Chemistry Social Studies: World History	Required Core Courses English: English III Math: Algebra II Science: Advanced Biology Social Studies: US History	Required Core Courses English: 2 Electives Math: tbd Science: tbd Social Studies: Govt/Econ
	Other Required Courses Health PE 9	Other Required Courses C.A.R.E.E.R.S. PE 10	Other Required Courses PE 11/12 Personal Finance	Other Required Courses Social Studies Elective PE 11/12
	Related Elective Courses (2.5 credits) Spanish I Plants, Animals and You Plants, Animals and You II	Related Elective Courses (1.5 credits) Spanish II Horticulture	Related Elective Courses (1.5 credits) Natural Resources Horticulture II & Landscaping	Related Elective Courses (2.5 credits) Agriculture CO-OP Agricultural Sales, Marketing & Communication

	Wisconsin Technical College System www.witechcolleges.com	College/University System www.uwhelp.wisconsin.edu
Post-SECONDARY	<input checked="" type="checkbox"/> Arboriculture/Urban Forestry Technician <input checked="" type="checkbox"/> Bioscience Technician <input checked="" type="checkbox"/> Biotechnology Laboratory Technician <input checked="" type="checkbox"/> Environmental and Pollution Control Tech. <input checked="" type="checkbox"/> Farm Business and Production Management <input checked="" type="checkbox"/> Farm Management <input checked="" type="checkbox"/> Farm Operation <input checked="" type="checkbox"/> Golf Course Management	<input checked="" type="checkbox"/> Agriculture Education <input checked="" type="checkbox"/> Forestry <input checked="" type="checkbox"/> Landscape Architecture <input checked="" type="checkbox"/> Ornamental Horticulture <input checked="" type="checkbox"/> Reclamation, Environment and Conservation <input checked="" type="checkbox"/> Soil and Crop Science

	Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
CAREER ENHANCEMENT	School Activities: ► FFA ► SAE ► CO-OP	Community Activities: ► Job shadow professionals ► Join youth clubs (4-H) ► Volunteer in the community ► Part-time employment available within this career cluster ► Internships available within this career cluster	► Greenhouse ► Master Gardener ► Forester ► Landscaping ► Land Surveyor ► Environmental work ► Others as related

Some Potential Occupations:

- | | | |
|---|--|--|
| <ul style="list-style-type: none"> ▪ Agronomist ▪ Ornamental Horticulture ▪ Florist ▪ Greenhouse Manager ▪ Plant Geneticist ▪ Plant Breeder | <ul style="list-style-type: none"> ▪ Biotechnology Lab Technician ▪ Production Agriculture ▪ Turf Management ▪ Bioscience Technician ▪ Horticulture Technician ▪ Landscaping | <ul style="list-style-type: none"> ▪ Green Industry Technician ▪ Entomology ▪ Forestry ▪ Agriculture Education ▪ Conservationist ▪ Limnologist |
|---|--|--|

AGRICULTURE

NOTE: IN ORDER FOR STUDENTS TO JOIN THE CAMBRIDGE FFA CHAPTER, THEY MUST BE ENROLLED IN AT LEAST ONE SEMESTER OF AN AGRICULTURE CLASS.

PLANTS, ANIMALS AND YOU I – Elective

Pre-Requisites: None

Grade Levels Offered : 9

Length of Course: Fall Semester

Credit: .5

How does AGRICULTURE affect my life? Learn about the importance of agriculture to everyone! This class will introduce students to many different aspects of agriculture including careers, FFA, leadership skills, animal science, and plant science. Wisconsin agriculture will be a focus, as well as American Agriculture and the Global market. Students will also complete an out of class supervised agricultural experience (SAE) and a class portfolio.

PLANTS, ANIMALS AND YOU II – Elective

Pre-Requisites: Plants, Animals and You I

Grade Levels Offered : 9

Length of Course: Fall Semester

Credit: .5

This course follows Plants, Animals and You I. We will continue on our course of exploring the wide world of agriculture and will take a closer look into agricultural topics such as biotechnology, horticulture, food science, natural resources, and careers. Students will also complete an out of class supervised Agriculture Experience (SAE) and a class portfolio.

SMALL ANIMAL SCIENCE – Elective

Pre-Requisites: None

Grade Levels Offered: 10, 11, 12

Length of Course: Fall Semester

Credit: .5

Small animals and pets are an important part of our economy. We will take a look at common pets, animal rights and welfare, and care and management. Students will learn about various pet breeds, feeding/nutrition, housing and general care. This class will set them up to gain skills that will set them up for a future with pet care, working with small animals, and careers with companion animals. Students will also complete an out-of-class supervised agricultural experience (SAE) and a class portfolio.

LARGE ANIMAL SCIENCE – Elective

Pre-Requisites: None

Grade Levels Offered: 10, 11, 12

Length of Course: Spring Semester

Credit: .5

Dairy production, beef, swine, equine, sheep, aquaculture, and other animal production enterprises will be the focus of this course. A closer look into animal production including anatomy and physiology, correct terminology, economic value, genetics, management and careers are all key components of this course. A field trip will be taken to the World Dairy Expo and local animal production farms. Students will also complete an out of class supervised agricultural experience (SAE) and a class portfolio.

EQUINE SCIENCE – Elective

Pre-Requisites: None

Grade Levels Offered: 10, 11, 12

Length of Course: Spring Semester (Odd years)

Credit: .5

Description: Horses, Horses, Horses. This class covers the history of horses, breeds, horse anatomy, reproduction, nutrition, health, care, management, and other current horse industry topics. Students will take a field trip to the Midwest Horse Fair and will also complete an out of class supervised agricultural experience(SAE) and a class portfolio.

VETERINARY SCIENCE – Elective

Pre-Requisites: Small or Large Animal Science or Equine Science

Grade Levels Offered: 10, 11, 12

Length of Course: Spring Semester

Credit: .5 (Science credit)

Description: This course includes topics in advanced animal anatomy and physiology, structure and function of body systems, animal diseases and health issues, basic vet terms and veterinary practices including suturing, administering medications, giving an animal physical, etc. Students will also complete an out of class supervised agricultural experience (SAE) and a class portfolio. Students must have taken either small, large animal science or equine science to be eligible for this class.

HORTICULTURE I – Elective

Pre-Requisites: None

Grade Levels Offered: 10,11,12

Length of Course: Fall Semester

Credit: .5

Green thumb not required! This course will include careers, environmental requirements for good plant growth, plant naming and identification, plant parts and their functions, seeds, propagation, growing media, and growth stimulants. We will look at careers and work on plant identification. Greenhouse management, interior plantscaping, floral arrangement and hydroponics will all be projects in this course. Students will also complete an out of class supervised agricultural experience (SAE) and a class portfolio.

HORTICULTURE II & LANDSCAPING – Elective

Pre-Requisites: Horticulture I

Grade Levels Offered: 10, 11,12

Length of Course: Spring Semester

Credit: .5

Let's keep GROWING! The topics covered in Horticulture I will be expanded upon and specific projects for this course will include greenhouse management, and the spring plant sale. Growing bedding plants, planning and prepping vegetable and flower beds and landscape design will be included in this course. Other topics include careers, landscape material identification, pruning, and plant identification. Students will also complete an out of class supervised agricultural experience (SAE) and a class portfolio.

NATURAL RESOURCES— Elective

Pre-Requisites: None

Grade Levels Offered: 11,12

Length of Course: Fall Semester

Credit: .5

Explore Wisconsin Natural Resources in this class. Topics covered will be forestry, wildlife, outdoor recreation, conservation, environmental science, and careers. Student projects, presentations, and outdoor experiences are a very important part of this course. Students will also complete an out of class supervised agricultural experience (SAE) and a class portfolio.

AG CO-OP/WORK EXPERIENCE – Elective

Pre-Requisites: Consent of Instructor

Co-Requisites: Ag Co-Op classroom must be taken at the same time

Grade Levels Offered: 12

Length of Course: Full Year

Credit: 2.0

This portion of the Co-op program involves an average of 15 hours per week at a work training station. Students will be placed in a structured workplace which relates to their career objectives. A training supervisor will help with on-the-job training based on a plan developed for each individual student. The cooperative education teacher will shadow the student during the school year to assist with training and evaluation. Depending upon hours available, students may be allowed release time from school to complete their work component.

AGRISCIENCE YOUTH APPRENTICESHIP/Level One – Elective

Pre-Requisites: Junior/Senior with an identified Agri-science career major

Co-Requisites: Ag Co-Op classroom must be taken at the same time

Grade Levels Offered: 11, 12

Length of Course: One Semester

Credit: ½ credit per semester; ½ credit for every 180 hours of paid work-based experience

If you are serious about a career in the agri-science area, then this program is for you. This program involves being enrolled in courses that allow the student to gain the competencies needed for Plant or Animal Science. Plant science includes positions in horticulture (landscaping and greenhouse) and Animal science includes vet technician. Students interested in Plant Science need to enroll in Horticulture I and Horticulture II. Students interested in Animal Science need to enroll in Small & Large Animal Science. Students must complete 450 hours of work experience and attain the competencies to obtain the agri-Science Youth Apprenticeship Certificate. Students that are interested in this program must contact the guidance department for an application form to be enrolled initially, pending employment.

AGRISCIENCE YOUTH APPRENTICESHIP/Level Two– Elective

Pre-Requisites: Junior/Senior with an identified agri-science career major

Co-Requisites: Ag Co-Op classroom must be taken at the same time

Grade Levels Offered: 11, 12

Length of Course: One Semester

Credit: ½ credit per semester; ½ credit for every 180 hours of paid work-based experience

Students will need to have completed the competencies of the Level One Youth Apprenticeship. They will then move into an individualized program for production agriculture. To enroll in this program, the student must contact the guidance department for an application form to be enrolled initially, pending employment.

ART

FUNDAMENTALS OF ART AND DESIGN – Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester or full year

Credit: .5/semester

This course introduces students to the materials, techniques, concepts, and processes essential to understanding the visual arts and the role of the artist, through a series of projects. We will focus on the elements and principles of design and how they are essential in artwork. Projects will be created using some of the following materials; pencil, collage, charcoal, acrylic and watercolor paintings, computer generated design, wheel-thrown and hand-built pottery, pastels, paper mache', wire sculpture, relief printing (linoleum), and pen and ink drawings. In addition, students will be introduced to artists who have influenced the art in history, our community and other cultures. Each semester will present students with different projects and materials. This will allow students to join either semester or take Fundamentals of art for the full year.

DRAWING AND DESIGN/Level One – Elective (*Replaces Drawing 1 & 2*)

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester or full year

Credit: .5/semester

This is a first-year course introducing students to basic drawing skills and techniques including concepts such as: line, form, value, composition and perspective. Students learn fundamental techniques of drawing with many of the materials listed below. In these courses, emphasis is placed on developing the student's perceptual capabilities and representational skills, judging proportion, creating volume and depicting the illusion of space while creating realistic representation. Students will be encouraged to use digital media, graphite, charcoal, colored pencil, oil pencil, pen and ink, pastel, and oil pastel. Each semester will present students with different projects and materials. This will allow students to join either semester or take Drawing and Composition for the full year.

DRAWING AND DESIGN/Level Two – Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester or full year

Credit: .5/semester

Level 2 Drawing and Design is an opportunity for students to utilize all the knowledge and experience acquired in their previous art courses, in order to further create a body of work that demonstrates and encourages individuality and creativity. It is also a hope that this class will develop the understanding of artistic expression, critical thinking, and analytical skills, as well as develop and refine drawing techniques and concepts. We will study and research major drawing styles and movements in historical context and create work that promotes the use of mixed medias as well as the more traditional drawing materials.

PAINTING & MIXED MEDIA/Level One—Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester or full year

Credit: .5/semester

This course applies the study of color and composition to the creation of painting with water-based media. Students also prepare painting supports of paper, panel and canvas. Emphasis is on development, use and response to different materials and how one sees and translates color and values using those materials. In order to experience all of the painting processes offered, students should take this course for a full year. Advanced courses are also available. Those courses will build on the fundamental principles, methods and materials in painting. Students will create work using watercolor, acrylic, oil and/or mixed media. Each semester will present students with different projects and materials. This will allow students to join either semester or take Painting and Mixed Media for the full year.

PAINTING & MIXED MEDIA/Level Two—Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester or full year

Credit: .5/semester

Level 2 Painting and Mixed Media is an opportunity for students to utilize all the knowledge and experience acquired in their previous art courses, in order to further create a body of work that demonstrates and encourages individuality and creativity. It is also a hope that this class will develop the understanding of artistic expression, critical thinking, and analytical skills, as well as develop and refine painting techniques and concepts. The goal of the course is to develop the student's capacity to look closer into the visible world around us and transform his/her vision into art.

CLAY STUDIO/Level One—Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester or full year

Credit: .5/semester

Clay Studio is designed to teach the fundamentals of both hand-building and wheel-thrown ceramics. Students develop individual plans to execute their ideas in clay after discussing ideas and options with the instructor. Projects may include various interests such as tableware, sculpture, and tile making. Demonstrations and studio activities include hand building, wheel working and mold making. Students begin with a series of hand building and wheel throwing techniques in order to understand the restrictions and capabilities of clay. Each semester will present students with different projects and materials. This will allow students to join either semester or take Basic Art for the full year.

CLAY STUDIO/Level Two—Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester or full year

Credit: .5/semester

Level 2 Clay Studio course provides a continuation in the development of the functional skills needed in the craft field of clay, which includes limited mass production and one of a kind pieces with emphasis on forming techniques and surface decoration. Intended to build upon the principles of Clay Studio (Level 1), in this class student's focus on refining specific

forming techniques guided by a specific aesthetic design or look they are focusing on. Form, details, surface and slips before bisque and the subsequent glaze firing are all built around work that has a specific appearance.

PRINTMAKING & PHOTO EDITING/Level One—Elective (*Replaces Printmaking I & II*)

Pre-Requisites: None

Grade Levels Offered : 10 - 12

Length of Course: One Semester or full year

Credit: .5/semester

This course is an introduction to basic materials, edition procedures and concepts in the different types of printmaking. Part of the printing process will require students to select and prepare photographs for particular projects and do some basic photo editing using photo editing programs. Printmaking processes that will be covered throughout the year include: Large relief print (Linoleum), Dry Point Engraving, Embossing, Hand-Cut Screen print, Multi-colored Reduction Printing, Direct Film Screen printing, Indirect Film Screen printing, Paper Block Out printing, Collagraph and Monoprints. At the conclusion of the course, students should have a basic knowledge of most printing mediums. In order to experience all of the printing processes offered, students should take this course for a full year. However, it may be taken by semester.

GLASS & METALS—Elective

Pre-Requisites: None

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5/semester

This course encourages students to explore a variety of processes and techniques using glass and metal. The course covers basic cutting, texturing, soldering, finishing and stone setting when working with flatware metals. Other projects include glass mozaic, stained glass, fusing and a possible trip to local shop to create a glass blown piece.

AP STUDIO ART – Elective

Pre-Requisites: Previous High School art experience and consent of instructor

Grade Levels Offered: 11, 12

Length of Course: Full Year

Credit: 1

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year.

The AP Program offers three portfolio course options: Drawing, 2-D Design, and 3-D Design. Each portfolio course share a basic, three-section structure, which requires the student to show a fundamental competence and range of understanding in visual concerns at college level standards.

Qualifying portfolio scores will allow students to earn college credit and/or advanced placement.

CAREER PROGRAM OF STUDY BUSINESS

ADMINISTRATIVE SUPPORT

	Grade 9	Grade 10	Grade 11	Grade 12
HIGH SCHOOL	Required Courses <i>English:</i> English I <i>Math:</i> Algebra I <i>Science:</i> Biology <i>Social Studies:</i> N/A Health PE 9	Required Courses <i>English:</i> English II <i>Math:</i> Geometry <i>Science:</i> Chemistry <i>Social Studies:</i> World History CAREERS PE 10	Required Courses <i>English:</i> English III <i>Social Studies:</i> US History PE 11/12 Personal Finance	Required Courses <i>English:</i> 2 Electives <i>Social Studies:</i> Govt/Econ+ Social Studies Elective
	Related Elective Courses Microsoft Word Microsoft Excel Intro to Business	Related Elective Courses Desktop Publishing Accounting I Marketing I	Related Elective Courses Accounting I or II Business Law International Business Marketing Management	Related Elective Courses Accounting I or II Cooperative Education International Business Business Communications

	Wisconsin Technical College System Administrative Assistant visit: http://www.witechcolleges.com	College/University System (Career Poster) visit: http://uwhelp.wisconsin.edu/majorcareers/majorsposter.pdf
POST-SECONDARY	<ul style="list-style-type: none"> ▶ Administrative Assistant ▶ Office Assistant ▶ Office Manager ▶ Secretary ▶ Medical Records Clerk ▶ Legal Secretary ▶ Legal Assistant ▶ Office Administrator ▶ Program Assistant ▶ Office Assistant ▶ Receptionist 	<ul style="list-style-type: none"> ▶ Blackhawk ▶ Chippewa Valley ▶ Fox Valley ▶ Gateway ▶ Lakeshore ▶ Madison Area ▶ Mid-State ▶ Milwaukee Area ▶ Moraine Park ▶ Nicolet Area ▶ North-central ▶ Northeast Wisconsin ▶ Southwest Wisconsin ▶ Waukesha County ▶ Western Wisconsin ▶ Indianhead

	Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
CAREER ENHANCEMENT	<ul style="list-style-type: none"> ▶ Cooperative Education ▶ Yearbook-writing & photography ▶ Part-time job ▶ FFA (Food For America) ▶ NHS (National Honor Society) ▶ AFS (American Field Service) ▶ Peer Assisting ▶ DECA (Distributive Clubs of America) 	<ul style="list-style-type: none"> ▶ Job Shadows ▶ Youth Clubs ▶ Volunteering (within the cluster) 	<ul style="list-style-type: none"> ▶ Information Processing Apprenticeship

Potential Occupations:

- ▶ Administrative Assistant
- ▶ Billing/Cost and Rate Clerk
- ▶ Bookkeeper/Accounting Assistant
- ▶ Brokerage Clerk
- ▶ Communications Equip. Operator
- ▶ Computer Operator
- ▶ Court Reporter
- ▶ Customer Service Assistant
- ▶ Data Entry Specialist
- ▶ Desktop Publishing
- ▶ Dispatcher
- ▶ Executive Assistant
- ▶ File Clerk
- ▶ General Office Clerk
- ▶ Information Assistant
- ▶ Legal Secretary
- ▶ Library Asst./Order Processor
- ▶ License Clerk
- ▶ Medical Front Office Assistant
- ▶ Medical Transcriptionist
- ▶ Office Manager
- ▶ Paralegal
- ▶ Receptionist
- ▶ Records Processing Assistant
- ▶ Shipping and Receiving Clerk
- ▶ Stenographer
- ▶ Tax Preparer
- ▶ Typist
- ▶ Word Processor

CAREER PROGRAM OF STUDY ARTS, AV TECHNOLOGY AND COMMUNICATION PRINTING TECHNOLOGY

	Grade 9	Grade 10	Grade 11	Grade 12
HIGH SCHOOL	Required Courses <i>English:</i> English I <i>Math:</i> Algebra I <i>Science:</i> Biology <i>Social Studies:</i> N/A Health PE 9	Required Courses <i>English:</i> English II <i>Math:</i> Geometry <i>Science:</i> Chemistry <i>Social Studies:</i> World History CAREERS PE 10	Required Courses <i>English:</i> English III <i>Social Studies:</i> US History PE 11/12 Personal Finance	Required Courses <i>English:</i> 2 Electives <i>Social Studies:</i> Govt/Econ+ Social Studies Elective
	Related Elective Courses Microsoft Word Microsoft Excel Introduction to Business Yearbook Publication	Related Elective Courses Algebra II Marketing I Accounting I Yearbook Publication	Related Elective Courses Art courses—discuss with instructor Business Law Desktop Publishing Yearbook Publication Marketing Management	Related Elective Courses Art courses-discuss with instructor Desktop Publishing Cooperative Education Yearbook Publication Business Communications

	Wisconsin Technical College System AV Technology & Commun. Printing Technology visit: http://www.witechcolleges.com		College/University System (Career Poster) visit: http://uwhelp.wisconsin.edu/majorcareers/majorsposter.pdf	
POST-SECONDARY	<ul style="list-style-type: none"> ▶ Digital Media Technology ▶ Graphic And Web Design ▶ Graphic Communication Technologies ▶ Graphic Design Package And Label Printing Technician ▶ Photography ▶ Printing ▶ Printing And Publishing ▶ Technical Comm. Visual Communication/ Computer Graphics ▶ Visual Communications 	<ul style="list-style-type: none"> ▶ Fox Valley ▶ Gateway ▶ Lakeshore ▶ Madison Area ▶ Milwaukee Area ▶ Moraine Park ▶ Nicolet Area ▶ Northcentral ▶ Northeast ▶ Southwest WI ▶ Waukesha County ▶ Western 	<ul style="list-style-type: none"> ▶ Advertising (Minor only) ▶ Graphic Communication Management ▶ Web & Digital Media Development 	<ul style="list-style-type: none"> ▶ Stout ▶ Stevens Point

	Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
CAREER ENHANCEMENT	<ul style="list-style-type: none"> ▶ Cooperative Education ▶ Yearbook-writing & photography ▶ Part-time job ▶ FFA (Food For America) ▶ NHS (National Honor Society) ▶ AFS (American Field Service) ▶ Peer Assisting ▶ DECA (Distributive Clubs Of America) 	<ul style="list-style-type: none"> ▶ Job Shadows ▶ Youth Clubs ▶ Volunteering (within the cluster) ▶ Assist at Concession Stands 	<ul style="list-style-type: none"> ▶ Business Apprenticeship

Potential Occupations:

- ▶ Account Specialist
- ▶ Advertising Project Coordinator
- ▶ Art Director
- ▶ Assistant Photographer
- ▶ Associate Creative Director
- ▶ Bindery Deliveries/Typesetting
- ▶ Bindery/Prepress Technician
- ▶ Cameraman
- ▶ Communication Assistant
- ▶ Computer Artist
- ▶ Customer Service Representative
- ▶ Desktop Publisher
- ▶ Desktop Publishing Specialist
- ▶ Digital Artist
- ▶ Digital Design
- ▶ Digital Output
- ▶ Documentation Specialist
- ▶ Electronic Pre-Press Operator
- ▶ Screen Room Technician
- ▶ Electronic Producer
- ▶ Flexographic Printing
- ▶ Graphic Artist
- ▶ Graphic Designer
- ▶ Imaging Technician
- ▶ Layout Designer
- ▶ Marketing Assistant
- ▶ Media Technician
- ▶ Multi-Media Designer
- ▶ Prepress
- ▶ Press Assistant
- ▶ Press Operator
- ▶ Pressman
- ▶ Printer
- ▶ Printing Support Worker
- ▶ Production Artist
- ▶ Production Coordinator
- ▶ Production Designer/Artist
- ▶ Production Specialist
- ▶ Project Manager
- ▶ Quality Assurance Manager
- ▶ Senior Technician
- ▶ Technical Communications
- ▶ Technical Consultant
- ▶ Technical Director
- ▶ Technical Writer
- ▶ Web Design Consultant
- ▶ Web Designer
- ▶ Wedding/Portrait Photographer
- ▶ Yearbook Photographer

CAREER PROGRAM OF STUDY -- FINANCE ACCOUNTING

	Grade 9	Grade 10	Grade 11	Grade 12
HIGH SCHOOL	Required Courses <i>English:</i> English I <i>Math:</i> Algebra I <i>Science:</i> Biology <i>Social Studies:</i> N/A Health PE 9	Required Courses <i>English:</i> English II <i>Math:</i> Geometry <i>Science:</i> Chemistry <i>Soc. Studies:</i> World History CAREERS PE 10	Required Courses <i>English:</i> English III <i>Social Studies:</i> US History PE 11/12 Personal Finance	Required Courses <i>English:</i> 2 Electives <i>Social Studies:</i> Govt/Econ+ Social Studies Elective
	Related Elective Courses Microsoft Word Microsoft Excel Introduction to Business	Related Elective Courses Desktop Publishing Marketing I Accounting I Marketing Management	Related Elective Courses Business Law International Business Accounting I or II Marketing Management	Related Elective Courses Accounting I or II International Business Cooperative Education Business Communications

	Wisconsin Technical College System (Accounting)		College/University System (Career Poster)	
POST-SECONDARY	<ul style="list-style-type: none"> ▶ Accountant ▶ Accountant Assistant ▶ Bookkeeper ▶ Accounts Payable Clerk ▶ Cost Accountant ▶ Office Manager 	<ul style="list-style-type: none"> ▶ Blackhawk ▶ Chippewa Valley ▶ Fox Valley ▶ Gateway ▶ Lakeshore ▶ Madison Area ▶ Mid-state ▶ Milwaukee Area ▶ Moraine Park ▶ Nicolet Area ▶ Northcentral ▶ Northeast Wis. ▶ Southwest Wis. ▶ Waukesha County ▶ Western Wisconsin ▶ Wis. Indianhead 	<ul style="list-style-type: none"> ▶ Business/Industry Managers ▶ Financial Institution Mgrs ▶ Controllers ▶ Accountants ▶ Auditors ▶ Tax Preparers ▶ FBI Agents ▶ Statement Clerks ▶ Billing, Cost, and Rate Clerks ▶ Bookkeeping Clerks ▶ Payroll and Timekeeping Clerks ▶ Brokerage Clerks ▶ Budget Analysts ▶ Financial Analysts 	<ul style="list-style-type: none"> ▶ UW-Eau Claire ▶ UW-Green Bay ▶ UW-LaCrosse ▶ UW-Madison ▶ UW-Milwaukee ▶ UW-Oshkosh ▶ UW-Platteville ▶ UW-River Falls ▶ UW-Stevens Pt ▶ UW-Superior ▶ UW-Whitewater

	Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
CAREER ENHANCEMENT	<ul style="list-style-type: none"> ▶ Concession Management ▶ Campaign For An Office ▶ Fundraising Participation ▶ Yearbook Writing & Photography ▶ Cooperative Education ▶ Peer Assisting ▶ FFA ▶ NHS ▶ AFS ▶ DECA (Distributive Clubs Of America) 	<ul style="list-style-type: none"> ▶ Job Shadow Professionals ▶ Join Junior Achievement ▶ Participate in Local Fundraisers ▶ Start A Business ▶ Student Representative On School Board, City Council, or Chamber of Commerce ▶ Volunteer In Community ▶ Part-time Employment Available within this Career Cluster ▶ Internships available within this Career Cluster 	<ul style="list-style-type: none"> ▶ Finance Apprenticeship

Potential Occupations:

- ▶ Abstractor
- ▶ Accountant
- ▶ Actuary
- ▶ Bill And Account Collector
- ▶ Commodities Representative
- ▶ Controller
- ▶ Credit Analyst
- ▶ Debt Counselor
- ▶ Economist
- ▶ Financial Planner
- ▶ Foreign Exchange Manager
- ▶ Fundraiser
- ▶ Insurance Broker
- ▶ Internal Auditor
- ▶ Loan Officer
- ▶ Non-Profit Manager
- ▶ Tax Examiner
- ▶ Title Researcher And Examiner
- ▶ Treasurer
- ▶ Trust Officer

CAREER PROGRAM OF STUDY FINANCE

BANKING & RELATED SERVICES

	Grade 9	Grade 10	Grade 11	Grade 12
HIGH SCHOOL	Required Courses <i>English:</i> English I <i>Math:</i> Algebra I <i>Science:</i> Biology <i>Social Studies:</i> N/A Health PE 9	Required Courses <i>English:</i> English II <i>Math:</i> Geometry <i>Science:</i> Chemistry <i>Social Studies:</i> World <i>History</i> CAREERS PE 10	Required Courses <i>English:</i> English III <i>Social Studies:</i> US History PE 11/12 Personal Finance	Required Courses <i>English:</i> 2 Electives <i>Social Studies:</i> Govt/Econ+ Social Studies Elective
	Related Elective Courses Microsoft Word Microsoft Excel Introduction to Business	Related Elective Courses Marketing I Accounting I	Related Elective Courses Algebra II Accounting I or II Business Law International Business Marketing Management	Related Elective Courses Accounting I or II Cooperative Education Business Communication

POST-SECONDARY	Wisconsin Technical College System Banking Services visit: http://www.witechcolleges.com		College/University System (Career Poster) visit: http://uwhelp.wisconsin.edu/majorcareers/majorsposter.pdf	
	<ul style="list-style-type: none"> ▶ Accounting ▶ Banking and Financial Services ▶ Business Administration ▶ Credit ▶ Finance ▶ Financial Institutions Management ▶ Financial Planning ▶ Financial Services Representative 	<ul style="list-style-type: none"> ▶ Fox Valley ▶ Indianhead ▶ Madison Area ▶ Mid-state ▶ Milwaukee Area ▶ Northeast Wis. ▶ Waukesha County ▶ Western Wisconsin 	<ul style="list-style-type: none"> ▶ Finance 	<ul style="list-style-type: none"> ▶ Eau Claire ▶ Lacrosse ▶ Madison ▶ Milwaukee ▶ Oshkosh ▶ Whitewater

CAREER ENHANCEMENT	Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
	<ul style="list-style-type: none"> ▶ Cooperative Education ▶ Yearbook-writing & photography ▶ Part-time job ▶ FFA (Food For America) ▶ NHS (National Honor Society) ▶ AFS (American Field Service) ▶ Peer Assisting ▶ Assist at Concession Stands ▶ DECA (Distributive Clubs Of America) 	<ul style="list-style-type: none"> ▶ Job Shadows ▶ Youth Clubs ▶ Volunteering (within the cluster) 	<ul style="list-style-type: none"> ▶ Banking Services Apprenticeship

Potential Occupations:

- ▶ Abstractor
- ▶ Accountant
- ▶ Acquisitions Specialist
- ▶ Advisor Assistant
- ▶ Benefits Analyst
- ▶ Bill And Account Collector
- ▶ Branch Manager
- ▶ Compliance Officer
- ▶ Credit Analyst/Specialist
- ▶ Credit Report Provider
- ▶ Customer Service Representative
- ▶ Data Processor
- ▶ Debt Counselor
- ▶ Financial Aid Assistant
- ▶ Financial Manager
- ▶ Financial Planner
- ▶ Financial Sales Representative
- ▶ Internal Auditor
- ▶ Life And Health Records
- ▶ Loan Assistant
- ▶ Loan Officer
- ▶ Loan Processor
- ▶ Member Service Representative
- ▶ Mortgage Broker
- ▶ Operations Assistant
- ▶ Operations Manager
- ▶ Personal Banker
- ▶ Relationship Manager
- ▶ Repossession Agent
- ▶ Teller
- ▶ Title Researcher And Examiner
- ▶ Trust Officer

CAMBRIDGE HIGH SCHOOL

CAREER PROGRAM OF STUDY

Career Cluster: Marketing, Sales & Service



Student Name _____

Career Clusters identify pathways from high schools to two- and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

HIGH SCHOOL

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Required Core Courses English: English 9 Math: Algebra Science: Biology Social Science:	Required Core Courses English: English 10 Math: Geometry Science: Chemistry or Physical Science Social Science: World History	Required Core Courses English: English 11 Math: Social Science: US History	Required Core Courses English: Elective 1 Credit Math: Science: Social Science: Government & Economics and ½ Credit Elective
Other Required Courses PE 9 Health	Other Required Courses PE 10 Careers	Other Required Courses PE 11 Personal Finance	Other Required Courses
Related Elective Courses Marketing I Microsoft Word Introduction to Business	Related Elective Courses Fashion/Housing Careers Marketing Management Microsoft Power Point and Web Page Design	Related Elective Courses Communications Desktop Publishing Accounting I Digital Production I Algebra II	Related Elective Courses Psychology Sociology Marketing Coop Youth Options Courses: Marketing Principles Retail Management Apparel Marketing Fashion Analysis

POST-SECONDARY

Wisconsin Technical College System www.witechcolleges.com	College/University System www.uwhelp.wisconsin.edu
<input type="checkbox"/> Administrative Assistant <input type="checkbox"/> e-Commerce/Web Administration <input type="checkbox"/> Fashion Marketing <input type="checkbox"/> Global Business Specialist <input type="checkbox"/> Hotel & Restaurant Management <input type="checkbox"/> Hotel/Hospitality Management <input type="checkbox"/> Marketing	<input type="checkbox"/> Marketing & Graphic Communications <input type="checkbox"/> Meeting & Event Management <input type="checkbox"/> Recreation Management <input type="checkbox"/> Retail Management <input type="checkbox"/> Small Business Operation <input type="checkbox"/> Technical Communications <input type="checkbox"/> Travel Services <input type="checkbox"/> Web Developer

CAREER ENHANCEMENT

Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
Coop DECA		<input type="checkbox"/> Graphic Arts/Printing <input type="checkbox"/> Hospitality, Lodging, Tourism

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Applications Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Business Education & Information Technology

INTRO TO BUSINESS—Elective

Pre-Requisites: None

Grade Levels Offered : 9, 10, 11

Length of Course: One Semester

Credit: .5

Introduction to Business is a semester-long course where students will have the opportunity to explore marketing careers, learn the fundamentals of marketing that will prepare them for future marketing classes, learn how to develop their creativity, and will be able to set challenging but attainable goals for themselves. Additional units include computer applications for business, banking, economics, entrepreneurship, and an introduction to advertising. They will develop these skills through hands-on projects, class discussion, and group assignments.

YEARBOOK PUBLICATION—Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester

Credit: .5

This is a semester-long course that involves advanced publishing concepts such as: page design, photo editing, and journalism skills. Students will be required to submit photos AND edited copy for their designated pages. Students who have satisfactorily completed the course for the first year will be considered for an editorial position. This course is repeatable for credit.

MARKETING I—Elective

Pre-Requisites: None

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester

Credit: .5

Why do we buy IPODs instead of MP3 players? This course deals with how companies encourage consumers to buy their products. We will discuss how marketing can make a business successful including professional sales, product development, advertising, promotion, retail merchandising, e-marketing and a preview of sports and entertainment marketing. Since over 80% of all jobs have something to do with some aspect of marketing, all students can benefit from this course. Marketing I includes both group and individual projects. Other activities include speakers from local marketing firms, role-playing, and solving realistic cases.

MARKETING II—Elective

Pre-Requisites: Marketing I

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester

Credit: .5

Why do customers make purchases from one particular store versus a competitor's? In Marketing Management we will find the answers through market research. Marketing Management is designed to take the skills and concepts learned in Marketing I and apply them to the field of Marketing Management. The course includes instruction in marketing information management, human resource management, entrepreneurship, retail management, and international marketing. Materials

Business Education, cont'd.

used for instruction are all from the real world of business. Students will have the opportunity to gain real world marketing experience through hands-on projects as well as working in the school store.

MICROSOFT WORD*I—Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester

Credit: .5

MOS Certification
MATC Dual Credit

**This course is aligned with Madison College, allowing those students with a C average or better on the final to earn credit for free at Madison College.*

This hands-on course will focus on the many different features available using the Microsoft Word software program. Students will learn both the core level and the expert level competencies, which would prepare them to pass the MOS (Microsoft Office Specialist) exam. Students completing this class will be well prepared to complete assignments for other classes, to continue their education beyond high school, or to enter the workforce with strong skills in word processing.

MICROSOFT EXCEL*—Elective

Pre-Requisites: Marketing I

Grade Levels Offered : 9 - 12

Length of Course: One Semester

Credit: .5

MOS Certification
MATC Dual Credit

**This course is aligned with Madison College, allowing those students with a C average or better on the final to earn credit for free at Madison College.*

Students in this hands-on course will be introduced to Excel and progress through the very advanced functions of the program. This course will prepare students to earn the MOS (Microsoft Office Specialist) certification. Spreadsheets can be used for many applications, and students will be able to experience both imaginary and real-life projects as they complete the course.

MICROSOFT POWER POINT AND WEB DESIGN*—Elective

Pre-Requisites: MS Word

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester

Credit: .5

MOS Certification
MATC Dual Credit

Have you ever had to give a speech or presentation? Did you ever think of using PowerPoint as your visual aid? This course provides students with the skills necessary to design and present presentations in a professional manner, as well as learn the skills to design and create useful websites. Students will have the opportunity to design and create several PowerPoints as they study to become a certified Microsoft Office Specialist (in Power Point). This optional exam allows students to prove their competency and earn a valuable industry certification. Students will use digital cameras, scanners, and photo editing software to design and create presentations and web pages.

**MOS Certification is offered through the department for a fee.*

DESKTOP PUBLISHING—Elective

Pre-Requisites: Microsoft Word
Grade Levels Offered : 10, 11, 12
Length of Course: One Semester
Credit: .5

Designing creative publications is the main focus of this course. Students will learn design how-to's in creating documents for business as well as personal use. Real-life projects will be a part of this course, where students will be involved with producing both school and community publications. Digital cameras, scanners, and photo-editing software will be integrated into the curriculum. Several different software programs will be used, including Adobe InDesign, Microsoft Word, and Photoshop.

ACCOUNTING I—Elective

Pre-Requisites: None
Grade Levels Offered : 10, 11, 12
Length of Course: Full year
Credit: 1.0

Want to learn more about the language of business? This course provides students an understanding of the basic concepts of double-entry accounting. Topics include the accounting equation, the accounting cycle, transaction analysis, journalizing, posting, end-of-period reporting, banking, payroll, uncollectibles, depreciation, notes and interest, voucher systems, cash controls and inventories. Workbooks containing standard business forms are used including a business simulation and MS Excel to make accounting more realistic. A workbook will be issued to students at no fee. However, if a student drops class at semester, he/she will be required to reimburse the cost of the workbook (approximately \$30).

Note: Accounting is required for all post-secondary education business-related majors.

ACCOUNTING II—Elective

Pre-Requisites: Accounting I
Grade Levels Offered : 11, 12
Length of Course: Full year
Credit: .1.0

Want to continue to explore the language of business? This course provides students with a deeper understanding of the concepts learned in Accounting I while addressing corporate accounting. Topics that expand previous material or that are new include marketable securities, notes, inventories, investments, property/plant/equipment assets and depreciation, mortgages, stockholder's equity, end-of-period activities, analyzing and interpreting financial statements, departmentalized accounting, branch accounting, product costing, and accounting for business decisions. Workbooks containing standard business forms are used including a business simulation and MS Excel to make accounting more realistic. A workbook will be issued to students at no fee. If a student drops at semester, students will be required to reimburse the cost of the workbook (approximately \$30).

BUSINESS LAW—Elective

Pre-Requisites: None

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5

Do you plan to own/operate your own business someday? Are you planning to go on to school to get a degree in any area involving business? Law is an essential part of any business degree program, and this class will introduce you to the laws affecting business owners and operators. As a more informed citizen, you will realize your rights and duties in business transactions. Topics include contract law, landlord-tenant issues, the history of laws, ethics in business, employment laws, union rights and duties, consumer protection, and insurance. This class also participates in a mock trial where each student plays a part, with non-class members serving as the jury.

CAREERS—Required

Pre-Requisites: Required

Grade Levels Offered : 10

Length of Course: One Semester

Credit: .5

A career exploration course designed to assist students with future transition to the world of work. Units will focus on interest determination, researching careers, work ethics and employer expectations, academic preparation, developing a career plan, human relations, employment interviews, life-long learning and life planning.

Note: A portfolio and a job shadow are required to complete this course.

PERSONAL FINANCE—Required

Pre-Requisites: Required

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5

Students in this course will learn to be informed consumers when it comes to their finances. They will learn the basics of making purchase decisions, handling credit and loans, developing investment plans, analyzing their insurance options, and planning for housing, transportation and leisure expenses. Managing money is something that every student will have to deal with after leaving the shelter of their parent's homes (and pocketbooks!).

INTERNATIONAL BUSINESS—Elective

Pre-Requisites: None

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5

In the fast-paced and ever-changing world we live in, it becomes necessary for all of us to discover the connections and relationships between nations, cultures, and individuals and their effect on business. This course will provide a foundation for becoming informed about the global business environment and will help to develop students into globally conscious citizens, thinkers, and problem solvers. Students will receive hands-on experience by purchasing stock in a simulated

Business Education, cont'd.

business and creating an international business plan. Some of the topics that will be explored include international communications, customs, trade practices, languages, legal systems, currency systems and roles of individuals. Students will leave this class with a greater understanding of the business world in which we live and be better prepared to work with others who may have different backgrounds and customs.

BUSINESS COMMUNICATION—English Elective

Pre-Requisites: None

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 (language arts credit)

This course will facilitate student learning of business communication strategies focusing on 21st Century skills. Units of study will include the communication process, interpersonal communication, effective listening, small group collaboration, office etiquette, resume writing and interviewing skills, business report writing, and public speaking. Students will utilize new technologies, including online collaboration, use of telecommunications, and digital portfolios.

EMERGING TECHNOLOGIES—Elective

Pre-Requisites: MS Word or MS Excel

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester

Credit: .5

In this class, students will explore new technologies used to communicate, collaborate, create, and organize information. Some of the tools that will be explored include Google Docs, Social Bookmarking, Video Conferencing, Online Presentations, and use of online tools to learn new things. The course will focus on how to use tools for business and marketing purposes. For example, students will learn how to use Twitter to increase a product's presence and collect information rather than just telling their friends what they're doing during the weekend. Because of the nature of how quickly technology changes, what we explore in this class will be continually changing in terms of curriculum. iPads received from a grant will be used during this class, and students will learn the value of lifelong learning.

BUSINESS Co-Op/CLASSROOM—Elective

Pre-Requisites: Consent of Instructor

Co-Requisites: Business Co-Op Work Experience must be taken at the same time

Grade Levels Offered : 12

Length of Course: Full year

Credit: 1.0

Students in this class will learn general work skills, attitudes, and traits that are desired by employers. Units include: business ethics, human relations, business protocol, group dynamics, following directions, technology in the workplace, stress management, management, communication, and preparing for future careers. Students enrolled in this program will be required to be enrolled in the Work Experience part of the course as well, and maintain employment during the course of the year. Students must apply and interview to be considered for this program.

BUSINESS Co-Op/WORK EXPERIENCE—Elective

Pre-Requisites: Consent of Instructor

Co-Requisites: Business Co-Op Classroom must be taken at the same time

Grade Levels Offered : 12

Length of Course: Full year

Credit: 2.0

This portion of the Coop program involves an average of 15 hours per week at a work training station. Students will be placed in a structured workplace which relates to their career objectives. A training supervisor will help with on-the-job training based on a plan developed for each individual student. The cooperative education teacher will shadow the student during the school year to assist with training and evaluation. Depending upon hours available, students may be allowed release time from school to complete their work component.

INFORMATION TECHNOLOGY/

YOUTH APPRENTICESHIP Level One & Two—Elective

Pre-Requisites: Consent of Instructor

Grade Levels Offered : 11, 12

Length of Course: Full year or Two years

Credit: .5/180 hours work experience

This youth apprenticeship gives the students the opportunity to receive hands on paid work experience in the computer information career area. Students can enroll for either one or two years. This program can be started in the junior or senior year of high school. Students will start with MS Word, Excel, Power Point and Web Page. The student needs to have a job placement and for a one-year program, needs to be employed 450 hours. For a two-year program he/she will be employed 900 hours. Students receive ½ credit for every 180 hours of work experience.

If the student is interested in the option, he/she need to see the guidance department for an application and to be enrolled. Final enrollment will be done once the student is placed on the job.

FINANCE YOUTH APPRENTICESHIP—Elective

Pre-Requisites: Consent of Guidance Counselor

Grade Levels Offered : 11, 12

Length of Course: Full year / Two years

Credit: .5 /180 hours work experience

If the student is interested in a career in the banking, finance, or accounting industries, this is the youth apprenticeship for him/her. This program involves the student being enrolled in Accounting I and Accounting II.

The program involves 450 hours of work experience in a bank, credit union, accounting firm and/or other financial institution or accounting department of a business. This experience will be paid and the student will have a mentor/trainer. If interested, the student must contact the guidance office for an application to be in the program.

HOSPITALITY YOUTH APPRENTICESHIP—Elective

Pre-Requisites: Hospitality Tourism Career Choice and Consent of Instructor

Grade Levels Offered : 11, 12

Length of Course: Full year

Credit: .5 /180 hours work experience

If the student is serious about a career in the hospitality industry, then this youth apprenticeship is for them. The program involves the student being enrolled in Marketing I and Marketing Management.

The program involves 450 hours of paid work experience over the year with a mentor/trainer. Selection for this program is done through an interview process for the coordinator, instructor and employer. Employment will be in a full service restaurant or other full service food service facility and/or a tourism attraction with retail and food service. If interested, the student must contact the guidance office for an application to this program.

CAREER PROGRAM OF STUDY HEALTH SCIENCES

THERAPEUTIC SERVICES & DIAGNOSTICS SERVICES PATHWAYS

	Grade 9	Grade 10	Grade 11	Grade 12
HIGH SCHOOL	Required Courses <i>English:</i> English I <i>Math:</i> Algebra I <i>Science:</i> Biology <i>Social Studies:</i> N/A Health PE 9	Required Courses <i>English:</i> English II <i>Math:</i> Geometry <i>Science:</i> Chemistry <i>Social Studies:</i> World History C.A.R.E.E.R.S. PE 10	Required Courses <i>English:</i> English III <i>Math:</i> Algebra II <i>Science:</i> Human Anatomy/Physiology <i>Social Studies:</i> US History PE 11/12 Personal Finance	Required Courses <i>English:</i> 2 Electives <i>Math:</i> One additional cr <i>Science:</i> One additional cr <i>Social Studies:</i> Govt/Econ Social Studies Elective PE 11/12
	Related Elective Courses Health Career Exploration (0.5) Microsoft Excel (0.5) Parents & Children (0.5) Spanish I (1.0)	Related Elective Courses Health Career Exploration (0.5) Spanish II (1.0)	Related Elective Courses Medical Terminology (0.5) Advanced Biology (1.0) Working with Children (0.5) Contemporary Living (0.5) Business Law (0.5) Spanish III (1.0)	Related Elective Courses Medical Terminology (0.5) Psychology (0.5) Sociology (0.5) Physics (1.0) Coop Classroom (1.0) Ed.for Employment 0.5)

	Wisconsin Technical College System (Marketing and Service)	College/University System (Career Poster)
Post-SECONDARY	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Anesthesia Technology <input checked="" type="checkbox"/> Biomedical Electronics <input checked="" type="checkbox"/> Biomedical Informatics Technician <input checked="" type="checkbox"/> Cardiovascular Technology <input checked="" type="checkbox"/> Central Service Technician <input checked="" type="checkbox"/> Chiropractic Technician <input checked="" type="checkbox"/> Clinical Lab Technician <input checked="" type="checkbox"/> Diagnostic Medical Sonography <input checked="" type="checkbox"/> Disability Support Specialist <input checked="" type="checkbox"/> Electroneurodiagnostic Technology (ENDT) <input checked="" type="checkbox"/> Facility Caregiver <input checked="" type="checkbox"/> Fire Medic <input checked="" type="checkbox"/> Healthcare Business Services <input checked="" type="checkbox"/> Health Information Technology <input checked="" type="checkbox"/> Health Unit Coordinator <input checked="" type="checkbox"/> Medical Assistant, Coding Specialist <input checked="" type="checkbox"/> Nuclear Medicine Technologist <input checked="" type="checkbox"/> Nursing – Associate Degree <input checked="" type="checkbox"/> Nursing Assistant <input checked="" type="checkbox"/> Occupational Therapy Assistant <input checked="" type="checkbox"/> Optician Science <input checked="" type="checkbox"/> Paramedic Technician <input checked="" type="checkbox"/> Pharmacy Technician-Community <input checked="" type="checkbox"/> Physical Therapist Assistant <input checked="" type="checkbox"/> Practical Nursing-Technical Diploma <input checked="" type="checkbox"/> Radiography <input checked="" type="checkbox"/> Speech Language Pathologist Assistant <input checked="" type="checkbox"/> Surgical Technology 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Art Therapy <input checked="" type="checkbox"/> Athletic Training <input checked="" type="checkbox"/> Biomedical Science <input checked="" type="checkbox"/> Community Health Education <input checked="" type="checkbox"/> Communicative Disorders <input checked="" type="checkbox"/> Clinical Lab Science Program <input checked="" type="checkbox"/> Cytotechnology <input checked="" type="checkbox"/> Dietetics <input checked="" type="checkbox"/> Environmental Public Health <input checked="" type="checkbox"/> Exercise & Sport Science <input checked="" type="checkbox"/> Fitness Management <input checked="" type="checkbox"/> Health Care Administration <input checked="" type="checkbox"/> Health Science Major <input checked="" type="checkbox"/> Kinesiology <input checked="" type="checkbox"/> Medical Technology Major/Clinical Lab Science <input checked="" type="checkbox"/> Music Therapy <input checked="" type="checkbox"/> Nuclear Medicine Technology <input checked="" type="checkbox"/> Nursing <input checked="" type="checkbox"/> Nutritional Science <input checked="" type="checkbox"/> Occupational Studies <input checked="" type="checkbox"/> Radiation Therapy <input checked="" type="checkbox"/> Rehabilitation Psychology/Technology <input checked="" type="checkbox"/> Therapeutic Recreation <input checked="" type="checkbox"/> Vocational Rehabilitation <input checked="" type="checkbox"/> Pre-Professional Studies: <i>Chiropractic, Dentistry, Medicine, Occupational Therapy, Optometry, Osteopathic Medicine, Pharmacy, Physical Therapy, Radiological Technology, Physicians Assistant, Medical Informatics, Gerontology, Cardiovascular Studies, Speech Language Pathology</i>

CAREER ENHANCEMENT	<i>Work/School Activities</i>	<i>Job Shadows/Community Service</i>	<i>Youth Apprenticeship</i>
	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Apprenticeship <input checked="" type="checkbox"/> Coop <input checked="" type="checkbox"/> FCCLA <input checked="" type="checkbox"/> CAP (Cambridge Activity Program) 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> CAP employee working with public <input checked="" type="checkbox"/> Summer camp counselor <input checked="" type="checkbox"/> CNA (Certified Nursing Assistant) <input checked="" type="checkbox"/> First Responder/EMT <input checked="" type="checkbox"/> Hospice Volunteer <input checked="" type="checkbox"/> Veterinary Clinic <input checked="" type="checkbox"/> Animal shelter volunteer 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Health Sciences <input checked="" type="checkbox"/> Pharmacy Technician

Potential Occupations:

► Therapeutic Services

Acupuncturist
 Anesthesiologist Assistant
 Art/Music/Dance Therapist(s)
 Athletic Trainer
 Audiologist
 Certified Nursing Assistant
 Chiropractor
 Dental Assistant/Hygienist/Technician
 Dentist
 Dietician
 Dosimetrist
 EMT
 Exercise Physiologist
 Home Health Aide
 Kinesiotherapist
 Licensed Practical Nurse
 Massage Therapist
 Medical assistant
 Mortician
 Occupational Therapist/Assistant
 Ophthalmic Medical Personnel
 Optometrist
 Orthotist/Prosthetist
 Paramedic
 Pharmacist/Pharmacy Tech
 Physical Therapist/Assistant
 Psychologist
 Recreation Therapist
 Registered Nurse
 Respiratory Therapist
 Speech Language Pathologist
 Surgical Technician
 Veterinarian/Vet Tech

► Diagnostics Services

Cardiovascular Technologist
 Clinical Lab Technician
 Computer Tomography (CT) Tech
 Cytogenetic Technologist
 Diagnostic Medical Sonographers
 Electrocardiographic (ECG) Technician
 Electronic Diagnostics (EEG) Tech
 Exercise Physiologist
 Geneticist
 Histotechnician
 Histotechnologist
 Magnetic Resonance (MR) Tech
 Mammographer
 Medical Technologist/Clinical Laboratory Scientist
 Nuclear Medicine Technologist
 Nutritionist
 Pathologist/Assistant
 Phlebotomist
 Positron Emission Tomography (PET) Technologist
 Radiologic Technologist/Radiographer
 Radiologist

► Support Services

Biomedical/Clinical Engineer
 Biomedical/Clinical Technician
 Central Services
 Environmental Health and Safety
 Environmental Services
 Facilities Manager
 Food Service
 Hospital Maintenance Engineer
 Industrial Hygienist
 Materials Management
 Transport Technician

► Health Informatics

Admitting Clerk
 Applied Researcher
 Community Service Specialists
 Data Analyst
 Epidemiologist
 Ethicist
 Health Educator
 Health Information Services
 Health Care Administrator
 Medical Assistant
 Medical Biller/Patient Financial Services
 Medical Information Technologist
 Medical Librarian/Cybrarian
 Patient Advocates
 Public Health Educator
 Reimbursement Specialist
 Risk Management
 Social Worker
 Transcriptionist
 Unit Coordinator
 Utilization Manager

► Biotechnology Research & Development

Biochemist
 Bioinformatics Associate/Scientist
 Biomedical Chemist
 Biostatistician
 Cell Biologist
 Clinical Trials Research Associate
 Geneticist
 Lab Assistant – Genetics
 Lab Technician
 Microbiologist
 Molecular Biologist
 Pharmaceutical Scientist
 Quality Assurance Technician
 Quality Control Specialist
 Regulatory Affairs Specialist
 Research Assistant/Associate/Scientist
 Toxicologist

CAREER PROGRAM OF STUDY

HOSPITALITY & TOURISM

RESTAURANTS AND FOOD/BEVERAGE SERVICES

	Grade 9	Grade 10	Grade 11	Grade 12
HIGH SCHOOL	Required Courses <i>English</i> <i>Math</i> <i>Science</i> <i>Social Studies: N/A</i> <i>Health</i> PE 9	Required Courses <i>English: English II</i> <i>Math: Geometry</i> <i>Science: Chemistry</i> <i>Social Studies: World History</i> C.A.R.E.E.R.S. PE 10	Required Courses <i>English: English III</i> <i>Math: Algebra II</i> <i>Science: Advanced Biology</i> <i>Social Studies: US History</i> PE 11/12 Personal Finance	Required Courses <i>English: 2 Electives</i> <i>Math: One additional cr</i> <i>Science: One additional cr</i> <i>Social Studies: Govt/Econ</i> Social Studies Elective PE 11/12
	Related Elective Courses Foods 1 Foods 2 Intro to Business & Marketing	Related Elective Courses Foods 1 Foods 2 ProStart 1 Accounting 1 Microsoft Excel Spanish 2	Related Elective Courses ProStart 1 ProStart 2 Leadership Seminar Contemporary Living Business Law Accounting 1 Microsoft Excel	Related Elective Courses ProStart 2 ProStart 1 Leadership Seminar Contemporary Living Business Law Desktop Publishing Coop Classroom Multi-Program Coop Work Experience Education for Employment Field Study Experience

Post-SECONDARY	Wisconsin Technical College System www.witechcolleges.com	College/University System www.uwhelp.wisconsin.edu
	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Baking Production <input checked="" type="checkbox"/> Baking/Pastry Arts <input checked="" type="checkbox"/> Culinary Arts <input checked="" type="checkbox"/> Culinary Management <input checked="" type="checkbox"/> Facilities Maintenance <input checked="" type="checkbox"/> Food and Beverage Prod. <input checked="" type="checkbox"/> Food Service Aide <input checked="" type="checkbox"/> Food Service Production <input checked="" type="checkbox"/> Hotel and Restaurant Management <input checked="" type="checkbox"/> Hotel/Hospitality Management <input checked="" type="checkbox"/> Marketing and Graphic Communications <input checked="" type="checkbox"/> Meeting and Event Management <input checked="" type="checkbox"/> Quality Assurance Tech <input checked="" type="checkbox"/> Recreation Management <input checked="" type="checkbox"/> Retail Management <input checked="" type="checkbox"/> Security Loss Prevention <input checked="" type="checkbox"/> Travel Services 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Hotel, Restaurant, and Tourism Management <input checked="" type="checkbox"/> Marketing <input checked="" type="checkbox"/> Graphic Communication Management <input checked="" type="checkbox"/> International Business <input checked="" type="checkbox"/> Marketing Communications

	Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
CAREER ENHANCEMENT	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Apprenticeship <input checked="" type="checkbox"/> Coop <input checked="" type="checkbox"/> FCCLA 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Job Shadow possibilities in hotel, restaurant, and tourism business <input checked="" type="checkbox"/> Volunteer possibilities and Fundraising 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Hospitality and Tourism

Potential Occupations:

► Listed Occupations from Career

General Manager
Food and Beverage Manager
Kitchen Manager
Candy Maker
Dietary Aide
Food Inspector
Catering and Banquets Manager
Service Manager
Maitre'd
Restaurant Owner
Baker
Laboratory Assistant
Sous-Chef
Dietitian
Diet Center Director
Food Chemist
Quality Assurance Technician
Quality Control Director
Sanitation Supervisor
Travel Writer
Meat Cutter

►

Brewer
Caterer
Executive Chef
Cook
Pastry and Specialty Chef
Bartender
Restaurant Server
Banquet Server
Cocktail Server
Banquet Set-up Employee
Bus Person
Food Development Specialist
Food Scientist
Food Technologist
Health Inspector
Health Education Coordinator
Nutritionist
Product Development Specialist
Cruise Director
Personal Grocery Shopper
Food Stylist

►

Room Service Attendant
Kitchen Steward
Counter Server
Wine Server
Host
Bed and Breakfast Manager
Camp Director
Travel Consultant
Country Club Director
Hotel/Resort Owner or Manager
Short-Order Cook
Host/Hostess
Menu Planner
School Foodservice Director
Personal Fitness Trainer
Sports Nutritionist
Business Travel Specialist
Tour Director/Guide
Convention Manager
Caterer
Party Planner

Knowledge and skills needed to succeed in this career cluster: academics, communications, problem solving and critical thinking, information technology applications systems, safety, health and environment, leadership and teamwork, ethics and legal responsibilities, employability and career development, and technical skills.

CAREER PROGRAM OF STUDY HUMAN SERVICES

EARLY CHILDHOOD DEVELOPMENT & SERVICES

	Grade 9	Grade 10	Grade 11	Grade 12
HIGH SCHOOL	Required Courses <i>English:</i> English I <i>Math:</i> Algebra I <i>Science:</i> Biology <i>Social Studies:</i> N/A Health PE 9	Required Courses <i>English:</i> English II <i>Math:</i> Geometry <i>Science:</i> Chemistry <i>Social Studies:</i> World History C.A.R.E.E.R.S. PE 10	Required Courses <i>English:</i> English III <i>Math:</i> Algebra II <i>Science:</i> Advanced Biology <i>Social Studies:</i> US History PE 11/12 Personal Finance	Required Courses <i>English:</i> 2 Electives <i>Math:</i> One additional cr <i>Science:</i> One additional cr <i>Social Studies:</i> Govt/Econ Social Studies Elective PE 11/12
	Related Elective Courses Parents & Children Foods 1 Contemporary Living	Related Elective Courses Parents & Children Foods 1 Contemporary Living Leadership Seminar	Related Elective Courses Parents & Children Foods 1 Contemporary Living Working With Children (ACCT) Leadership Seminar	Related Elective Courses Parents & Children Foods 1 Contemporary Living Working With Children (ACCT) Leadership Seminar Education for Employment Field Study Experience Psychology

Post-SECONDARY	Wisconsin Technical College System www.witechcolleges.com	College/University System www.uwhelp.wisconsin.edu
	<input checked="" type="checkbox"/> Child Care Services	<input checked="" type="checkbox"/> Early Childhood Education, teaching minor <input checked="" type="checkbox"/> Early Childhood-Middle Childhood Education, area of licensure <input checked="" type="checkbox"/> Middle Childhood-Early Adolescence Education, area of licensure

CAREER ENHANCEMENT	Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
	<input checked="" type="checkbox"/> CHS Service Credit <input checked="" type="checkbox"/> Leadership Seminar <input checked="" type="checkbox"/> 4-H Youth Leadership Development Opportunities <input checked="" type="checkbox"/> Boys/Girls Clubs <input checked="" type="checkbox"/> Big Brother/Big Sister Program <input checked="" type="checkbox"/> Boy Scouts/Girl Scouts of America <input checked="" type="checkbox"/> FCCLA	<input checked="" type="checkbox"/> Grade 8 Success Quest Job Shadowing <input checked="" type="checkbox"/> Pleasantime Child Care Center <input checked="" type="checkbox"/> Cambridge Elementary School	<input checked="" type="checkbox"/> Cambridge High School Multi-Program Coop Work Experience <input checked="" type="checkbox"/> Cambridge CAP (Community Activities) Intern

Potential Occupations:

► Listed Occupations from Career Cluster

Elementary School Teacher
Social Worker/Caseworker
Owner/Manager of District/Regional Child Care Center
Child Care Center Director
Child Care Center Assistant Director
Child Care Center Head Teacher



Assistant Child Care Teacher
Nanny
Cook
Custodian
Bus Driver
Youth Coach
Nursery School Aide
Playground Assistant
Activities/Recreation Director



Camp Counselor
Family Service Worker
Child Guidance Counselor
UW-Extension Youth Agent
Drug and Alcohol Counselor
Child Advocate
Peace Corps Volunteer
Recreational Therapist
Youth Counselor

Family And Consumer Science Education

HEALTH CAREER EXPLORATION—Elective

Pre-Requisites: None
Grade Levels Offered : 11, 12
Length of Course: One Semester
Credit: .5

**MATC
Dual Credit**

This course provides students with an overview of the health care field. The basic entry-level information that is covered serves as a solid foundation for all students pursuing a career in health sciences or health occupations. Units include: diversity, medical abbreviations, ethics, vital signs, infection control, and first aid. This course is recommended for anyone interested in becoming a Certified Nursing Assistant (CNA) or planning to attend nursing or medical school. The CNA course also serves as the basis for Co-op placement during their senior year. **-This course can provide 2 college credits at Madison College.**

MEDICAL TERMINOLOGY—Elective

Pre-Requisites: A or B average in Health Occupations or Instructor Approval
Grade Levels Offered : 11, 12
Length of Course: One Semester
Credit: .5

**MATC
Dual Credit**

Medical Terminology is a course which uses the parts of language to identify structures of the body. Students will learn structure location as well as pronunciation. This is a self paced class with weekly tests. This course is strongly encouraged for any student planning a career in the health care field and can earn 3 credits at Madison College as well as high school credit. There will be a fee assessed to the student for the textbook.

CERTIFIED NURSING ASSISTANT—Elective

Pre-Requisites: Health Care Career Exploration & Youth Options Form
Grade Levels Offered : 11, 12
Length of Course: One Semester
Credit: .75

**CNA
Certification Available**

This course is offered through MATC. It usually runs in the morning from 7:00 – 9:00 a.m. Students wishing to take this course must have transportation to MATC-Fort Atkinson, must have applied for Youth Options, and must have successfully completed the Health Career Exploration course. Students wishing to take this course must complete the Youth Options form available from the guidance office.

PARENTS AND CHILDREN—Elective

Pre-Requisites: None
Grade Levels Offered : 9 - 12
Length of Course: One Semester
Credit: .5 credit

This course will cover basic prenatal care, how to prepare for childbirth and basic parenting skills. Students will learn how the role of the parent changes from birth through adolescence and basic child-rearing psychology.

Family And Consumer Sciences, cont'd.

WORKING WITH CHILDREN—Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester

Credit: .5 credit

(Note: If you plan to earn ACCT Certificate, you must be a junior and/or age 17 and have successfully completed Parents And Children class.)

Assistant Child Care
Certification Available

This course will study how the preschool child develops physically, intellectually, socially and emotionally. Practical experience will be obtained through planning and working in a preschool setting for 10 to 15 hours.

CHS is currently approved by the State of Wisconsin to certify students as an Assistant Child Care Worker. Anyone planning to pursue a career involving children will find this course a necessity. M.A.T.C. accepts this class toward credit in their child care program. This class would serve as the basis for a Co-Op placement during the senior year.

FOODS I—Elective

Pre-Requisites: \$15 Lab Fee

Grade Levels Offered : 9 - 12

Length of Course: One Semester (Offered odd-numbered years)

Credit: .5 credit

This course explores and examines food and its impact on our families, our society and our global community. Throughout the semester we will discuss food-related issues and practice preparation techniques that will prepare you for living on your own. Class will plan and carry-out food-related service projects.

FOODS II—Elective

Pre-Requisites: \$15 Lab Fee

Grade Levels Offered : 9 - 12

Length of Course: One Semester (Offered even-numbered years)

Credit: .5 credit

This course takes a look at the importance of nutrition and wellness. Athletes will be one focus as we look at how different foods affect performance. Students will prepare foods that offer good nutrition, and learn how to modify standard recipes to be healthier. Fast food and convenience products will also be analyzed. Learn how what we eat today can help us to have a healthy tomorrow. Serve Safe Certification Available

PRO-START I—Elective

Pre-Requisites: Either Foods I or Foods II and \$15 Lab Fee

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester (Offered odd-numbered years)

Credit: .5 credit

Pro Start is the National Restaurant Association (NRA) program developed to train young professionals in the classes of the food service industry. Units include: soups, sauces, fruits and vegetables, potatoes and grains, food service, professionalism, successful customer relations, creating menus, and more.

Family And Consumer Sciences, cont'd.

Class work may be used towards National Pro Start Certification, NRA scholarships, and State of Wisconsin Food Service Skills Certificate.

PRO-START II—Elective

Pre-Requisites: Either Pro-Start I, Foods I or Foods II and \$15 Lab Fee

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester (Offered even-numbered years)

Credit: .5 credit

Food Prep. Certification Available

Pro Start II prepares students for careers in hospitality and tourism while improving food prep skills. Pro Start II units include: desserts, purchasing and inventory control, meats/poultry/seafood, marketing and the menu, baked goods and pastries, salads and garnishing, basic accounting practices, plus global cuisines.

Pro Start is the National Restaurant Association program to train young professionals for a career in the food service industry. Class work may be used towards National Pro Start Certification, NRA scholarships and State of Wisconsin Food Service Skills Certificate.

FASHION/HOUSING CAREERS—Elective

Pre-Requisites: None

Grade Levels Offered : 9 -12

Length of Course: One Semester

Credit: .5 credit

In this course, students will create projects in interior design or clothing design. Units include: design elements and principles, using color effectively, textiles, accessories, redesigning rooms/apartments and wardrobe makeovers.

FACS CO-OP/CLASSROOM—Elective

Pre-Requisites: Consent of instructor, signed contract w/student, parent & school district. Completion of one course w/career focus in FACS.

Grade Levels Offered : 12

Length of Course: Full Year

Credit: .1.0 credit

FACS COOP is a work experience program covering career interests in: Culinary arts, tourism & lodging, child care services, interior design, fashion and human services occupations. Students who sign up for FACS COOP Classroom Instruction must also sign up for FCE COOP supervised Work Experience.

FACS CO-OP/CLASSROOM—Elective

Pre-Requisites: Consent of instructor, signed contract w/student, parent & school district. Completion of one course w/career focus in FACS.

Co-Requisites: FACS CO-Op Classroom Course

Grade Levels Offered : 12

Length of Course: Full Year

Credit: .2.0 credit

This course offers a work-based experience that compliments the co-op classroom experience.

Family And Consumer Sciences, cont'd.

HOSPITALITY YOUTH APPRENTICESHIP—Elective

Pre-Requisites: Marketing I & II, Consent of Instructor, Identified Hospitality/Tourism Career

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit per semester / .5 per 180 hours of work experience

Students in this program must also be enrolled in Marketing I and Marketing II.

The program involves 450 hours of paid work experience over the year with a mentor/trainer. Selection for this program is done through an interview process by the coordinator, instructor and employer. Employment will be in a full service restaurant or other full service food service facility and/or a tourism attraction with retail and food service. If interested, the student must contact the guidance department for an application.

HEALTH SERVICES YOUTH APPRENTICESHIP—Elective

Pre-Requisites: Exploring Health Careers, CAN, Identified Health Services Career

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit per semester for tech core / .5 per 180 hours of work-based core

If you are serious about a career in the health care industry, then this program is for you. This program requires that the student has successfully completed Intro to Health Occupations. The apprenticeship requires 10 hours paid work experience per week with a mentor/trainer. Selection for this program is done through an interview process by the coordinator, instructor and employer. Work situations cannot be guaranteed. Students are referred to positions and they need to apply, interview successfully and be hired to become part of this program. If interested the student must contact the guidance department for an application.

Foreign Language

SPANISH I—Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: Full year

Credit: 1.0

The four basic language skills of reading, writing, speaking and comprehension are developed through interactive classroom activities, cultural readings, CDs, videos, workbook exercises, and other additional handouts. At the conclusion of the course, a student should be able to express himself/herself in Spanish on basic everyday subjects such as family, school, personal interests etc.

SPANISH II—Elective

Pre-Requisites: C or better in Spanish I, or consent of instructor

Grade Levels Offered : 9 - 12

Length of Course: Full year

Credit: 1.0

Language competency is developed by continuation of the four language skills as stated under Spanish I (see Spanish I). More attention is placed on writing skills and grammatical concepts in preparation for the advanced levels. However, the course is still highly communicative as was Spanish I. Upon completion of this level, students will have completed most of the basic grammatical concepts which promote minimum fluency for the basic communication and comprehension skills.

SPANISH III—Elective

Pre-Requisites: B- or better in Spanish II, or consent of instructor

Grade Levels Offered : 10, 11, 12

Length of Course: Full year

Credit: 1.0

Spanish III is a continuation of the four language skills as stated in Spanish I using the same methods, but at a higher level. This course promotes creativity and thinking skills, which allows for expressing oneself more freely regarding a variety of topics. This course is more cultural in nature and includes readings and short literary selections. Grammatical skills are more highly developed at this level. At the end of the course students should feel comfortable communicating and expressing themselves in Spanish in many topics areas.

SPANISH IV—Elective

Pre-Requisites: B or better in Spanish III, or consent of instructor

Grade Levels Offered : 11, 12

Length of Course: Full year

Credit: 1.0

Spanish IV consists of a review and expansion of grammatical concepts in preparation for UW placement/standardized language exams. Spanish IV students read many styles of literary selections in the form of short stories. These students are involved in community service projects as needed, such as tutoring and doing translations. Depending upon class size, these groups can be combined. In this combination or individually, short presentations are made and a variety of projects are assigned. Both groups have periodic discussions and cultural presentations. At the end of these courses, students should be prepared for the UW placement/standardized language exams and should have a good command of the spoken and written language.

AP SPANISH—Elective

Pre-Requisites: B or better in Spanish IV, or consent of instructor

Grade Levels Offered : 12

Length of Course: Full year

Credit: 1.0

AP Spanish is designed to prepare students for the Advanced Placement exam. Students will master the four modes of communication such as listening, reading, speaking and writing through various authentic activities. Students will read excerpts of short stories to novels in the target language. In addition, students will integrate previous grammatical skills learned in the previous levels in more complex ways to communicate student ideas. Students will also learn about art, music, customs and current event in various Spanish-speaking countries as part of the culture standard. AP Spanish will be the equivalent to a second year Spanish class at the university level. The entire class will be conducted in Spanish.

Health

HEALTH--Required

Pre-Requisites: None

Grade Levels Offered : 9

Length of Course: One Semester

Credit: .5 credit

This is a required course for all freshman students. The focus of this course will be on the personal choices that students make and the short and long term consequences that those choices can have upon both their individual health, and the health of others. Students will develop an understanding of how to use responsible decision making skills, based on whether the decision is safe, healthful, legal, respectful, shows good character and follows parental guidelines. The impact of personal choices upon quality of life will be covered. High risk behaviors and the consequences of such behaviors will be discussed. Students will develop and practice refusal skills that will help them avoid situations involving high risk behaviors. Personal hygiene, personal wellness and mental/emotional health will also be covered.

Language Arts

*PRE-REQUISITES FOR LANGUAGE ARTS COURSES ARE LISTED BELOW. PRE-REQUISITES MAY BE WAIVED UNDER SPECIAL CIRCUMSTANCES ONLY AND IF THE CONSENT OF ALL INVOLVED INSTRUCTORS IS GIVEN. ALL STUDENTS SHALL BE COUNSELED BY AN ENGLISH TEACHER BEFORE SIGNING UP FOR ANY ELECTIVE ENGLISH COURSE

ENGLISH 9--Required

Pre-Requisites: None

Grade Levels Offered : 9

Length of Course: Full Year

Credit: 1.0 credit

This course is required for graduation. Its major emphasis includes the importance of basic skills needed in all higher level language courses and an introduction to basic literature concepts and types. Skills or units will be taught in:

- | | | | |
|---------------------|--------------------|-------------------------------|---------------------------|
| 1) Reading/BSQ5R | 5) Poetry | 9) Research Paper | 13) Shakespeare |
| 2) Spelling | 6) The Short Story | 10) Study Skills | 14) Drama- <u>Trifles</u> |
| 3) Vocabulary | 7) Novels** | 11) <u>Romeo and Juliet</u> | |
| 4) Library Research | 8) Grammar | 12) Biography & Autobiography | |

****That Was Then, This Is Now and A Day No Pigs Would Die**

ENGLISH 10--Required

Pre-Requisites: Passing grade in English 9, or consent of instructor

Grade Levels Offered : 10

Length of Course: Full Year

Credit: 1.0 credit

The emphasis in the first semester will be on composition skills, including an intensive review of grammar and usage. Poetry, a novel, short stories and a Shakespearean play (Julius Caesar) will also be read and discussed. Compositions relating to the poetry, play and novel will be expected.

The texts will be the McDougal, Littel Literature Series 10 and Basic Skills in English 10 and Night by Elie Wiesel.

The emphasis in the second semester will be on speech, the development of listening skills and the development of research skills, with an emphasis on grammar and usage skills. The following types of speeches will be given by each student: biographical speech, informative speech, demonstration speech, persuasive speech and a speech using audio-visual materials.

ENGLISH 11--Required

Pre-Requisites: Passing grade in English 9 and 10, or consent of instructor

Grade Levels Offered : 11

Length of Course: Full Year

Credit: 1.0 credit

In a quest to understand the human experience, we will explore a variety of novels, poems, short stories, essays, expository texts, and current media. Recurrent themes and motifs found in canonical literature will inform our discussions on modern life...and popular culture will in turn shed light on these great works. Students will be required to actively read and respond to the texts and discuss their responses in a variety of forums, working both individually and collaboratively to complete

Language Arts, cont'd.

tasks. Students will further develop their ability to critically analyze, interpret, judge and respond to works of literature through essays, presentations, and projects.

COMMUNICATIONS--Elective

Pre-Requisites: Consent of instructor

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester

Credit: .5 credit

This course will explore the different aspects of human communication. The course will focus on effective communication through speaking and writing. Topics covered will include: grammar and basic writing skills, listening skills, etiquette for different writing and speaking situations, and vocabulary. Vocabulary will be studied and tested on a weekly basis.

A core text of the course will be *The Freedom Writers Diary*. Students will read the book, discuss it, and participate in various activities related to the text and its theme of tolerance and acceptance. Some supplemental readings will be included to enhance study of the text. Other activities will vary throughout the semester.

ADVANCED COMMUNICATIONS--Elective

Pre-Requisites: Passing grade in English 9 and 10

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit

This course will focus on the internet and technical writing. Students will learn how to appropriately use the internet to research and how to responsibly conduct their digital selves. Students will learn to comprehend a variety of technical readings and will produce clear technical writing, emphasizing vocabulary, grammar, and structure. Students will be required to actively read and respond to the texts and discuss their responses in a variety of forums, working both individually and collaboratively to complete tasks. Students will further develop their ability to critically analyze, interpret, judge, and respond to texts through essays, presentations, and projects.

AMERICAN LITERATURE--Elective

Pre-Requisites: Passing grade in English 9 and 10

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit

This course presents an overview of American literature from the colonial period to contemporary American literature. Authors studied during this overview include: Franklin, Jefferson, Poe, Hawthorne, Irving, Emerson, Thoreau, Twain and Crane. Each period of American literature is studied as to major works, important authors, and important literary movements.

The second portion of the class consists of a critical reading of 20th century American novels and the dramas including: *The Great Gatsby*, *Of Mice and Men*, *Ordinary People* and *The Glass Menagerie*.

After completing the course students should have an understanding of our literary heritage and the predominant themes in American literature.

LITERATURE OF THE IMAGINATION--Elective

Pre-Requisites: Passing grade in English 9 and 10

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit

This course focuses on four distinct literacy types of imaginative literature: Horror, Gothic, science fiction, and fantasy. The special characteristics of each group will be defined and applied to specific literary works. Readings will include: *Dracula*, *The Hobbit*, *The Martian Chronicles*, *Frankenstein*, and other short stories.

Students will be required to read on a nightly basis, participate in class, and write several papers throughout the course of the semester in addition to other projects and assignments.

After completing the course, students should have an understanding of the structure, style, and components of the different genres of literature.

POLITICAL NOVELS--Elective

Pre-Requisites: Passing grade in English 9 and 10

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit

This course offers novels, or fictional material, which make a statement about different forms of government: democracy, dictatorship, Communism, etc. Present day politics are not studied directly, but only in their relationship to the novels read. The following novels are read: *Brave New World*, *1984*, *Fahrenheit 451*, *Anthem*, *Lord of the Flies* and other independent or literature circle selections. Students will be required to read on a nightly basis, participate in class, and write several papers throughout the course of the semester in addition to other projects and assignments.

Some of the material read in this course may be considered objectionable to some students and their parents. Individual taste should be taken into consideration before the student elects to take Political Novels.

COLLEGE PREP ENGLISH--Elective

Pre-Requisites: B or better in English 10 & 11, and consent of instructor

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit

This class is designed to prepare students to enter into AP English or a freshman college English course. Students will learn the foundations of literature from mythology and legends and will examine novels, focusing on the historical setting, the author's craft, and connections to modern day themes and events. This writing-intensive course focuses on preparing students for college-level writing, including argumentative essays, timed essays, and research papers. Students will be required to actively read and respond to the texts and discuss their responses in a variety of forums, working both individually and collaboratively to complete tasks. Students will further develop their ability to critically analyze, interpret, judge and respond to works of literature through essays, presentations, and projects.

AP ENGLISH LITERATURE AND COMPOSITION--Elective

Pre-Requisites: B or better in English 11

Grade Levels Offered : 12

Length of Course: Full Year

Credit: 1.0 credit

This is a college-level English course. Students taking this course will be required to complete advanced level writing and reading assignments throughout the year. Students taking this course will be required to take the AP exam upon completion of the course.

Mathematics

The graduation requirement for mathematics, as established by Chapter PI 18 of the Wisconsin Administrative Code is as follows: *"Two credits of mathematics which incorporate instruction in the properties, processes and symbols of arithmetic and elements of algebra, geometry and statistics."*

This requirement may be attained by earning the following combinations: 1 credit Algebra I & 1 credit Geometry. The Cambridge Board of Education requires one credit in Geometry for graduation in addition to the two credits required by the state.

For those students planning on post-secondary education the following is recommended: Algebra I; Geometry; Algebra II; Pre-Calculus, AP-Calculus or Statistics.

ALGEBRA A--Required

Pre-Requisites: Consent of instructor

(Note—Credit in this course combined w/Algebra B will fulfill the Algebra credit required by the B.O.E).

Grade Levels Offered : 9, 10, 11

Length of Course: Full Year

Credit: 1.0 credit

The course covers basic Algebra with practical applications. Students are placed in this course by the student's 8th grade math teacher. This course is designed for students who have had difficulty in mathematics during their educational career and only covers the first half of the Algebra book. Algebra A is the first part of a two-part sequence that concludes with Algebra B the following year.

ALGEBRA B--Required

Pre-Requisites: Algebra A

(Note—Credit in this course combined w/Algebra B will fulfill the Algebra credit required by the B.O.E).

Grade Levels Offered : 10, 11, 12

Length of Course: Full Year

Credit: 1.0 credit

The course covers basic Algebra with practical applications. Algebra B is the second part of a two-part sequence that starts with Algebra A. Algebra B only covers the second half of the Algebra textbook. Upon completion of Algebra B, students will enroll in Geometry to fulfill their math credit requirements.

ALGEBRA I--Required

Pre-Requisites: Successful completion of 8th grade math

Grade Levels Offered : 9, 10, 11, 12

Length of Course: Full Year

Credit: 1.0 credit

The course covers basic Algebra with practical applications. Topics include: the use of formulas, linear equations, properties of the real number system and graphing of linear equations.

ALGEBRA II--Elective

Pre-Requisites: Algebra I and Geometry

Grade Levels Offered : 10, 11, 12

Length of Course: Full Year

Credit: 1.0 credit

The course reviews and expands upon topics from Algebra and Geometry. It delves into more verbal problems designed for everyday life situations. It is required by many universities for entrance.

GEOMETRY--Required

Pre-Requisites: Algebra I

Grade Levels Offered : 9, 10, 11, 12

Length of Course: Full Year

Credit: 1.0 credit

The course covers an exploration of sets of points and lines, offering an opportunity to learn about the nature of mathematics and how it is created. Topics include: Points and Lines, Conditional Statements, Angles and Lines, Reflections, Polygons, Transformation and Congruence, Triangle Congruence, Measurement Formulas, 3-Dimensional Figures, Volume and Surface Area, Coordinate Geometry, Similarity Logic and Indirect Reasoning, and a brief section of Trigonometry.

PRE-CALCULUS--Elective

Pre-Requisites: Math sequence through Algebra II—Not recommended for students w/less than a B- average in Algebra II

Grade Levels Offered : 11, 12

Length of Course: Full Year

Credit: 1.0 credit

Pre-Calculus is an advanced course designed for strong math students as a preparation for calculus. Topics include: functions and models, rational functions, power functions, exponential functions, logarithmic functions, trigonometric functions, circular functions, sequences, series, polynomial functions, systems of equations and limits.

AP CALCULUS AB--Elective

Pre-Requisites: Pre-Calculus

Grade Levels Offered : 12

Length of Course: Full Year

Credit: 1.0 credit

This course is designed to provide you with a knowledge of college-level, first semester calculus. Topics include: limits, the derivative and its application, integration and its application, logarithmic and exponential functions and an introduction to differential equations. The subject matter is designed to enable the student to be prepared to and take the AP Calculus exam in May. Students are responsible for all AP exam fees.

STATISTICS--Elective

Pre-Requisites: Algebra II—Not recommended for students w/less than a C average in Algebra II

Grade Levels Offered : 11, 12

Length of Course: Full Year

Credit: 1.0 credit

The course covers topics in statistics and probability with emphasis on practical applications. Topics include: interpreting data, measures of central tendency, correlation and regression, probability, combinations, binomial distributions, and the standard normal curve. Knowledge of Excel is highly recommended.

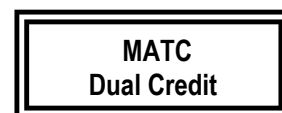
MATH CONCEPTS AND ANALYSIS--Elective

Pre-Requisites: Geometry, students who successfully complete Algebra II will NOT be allowed to enroll

Grade Levels Offered : 11, 12

Length of Course: Full Year

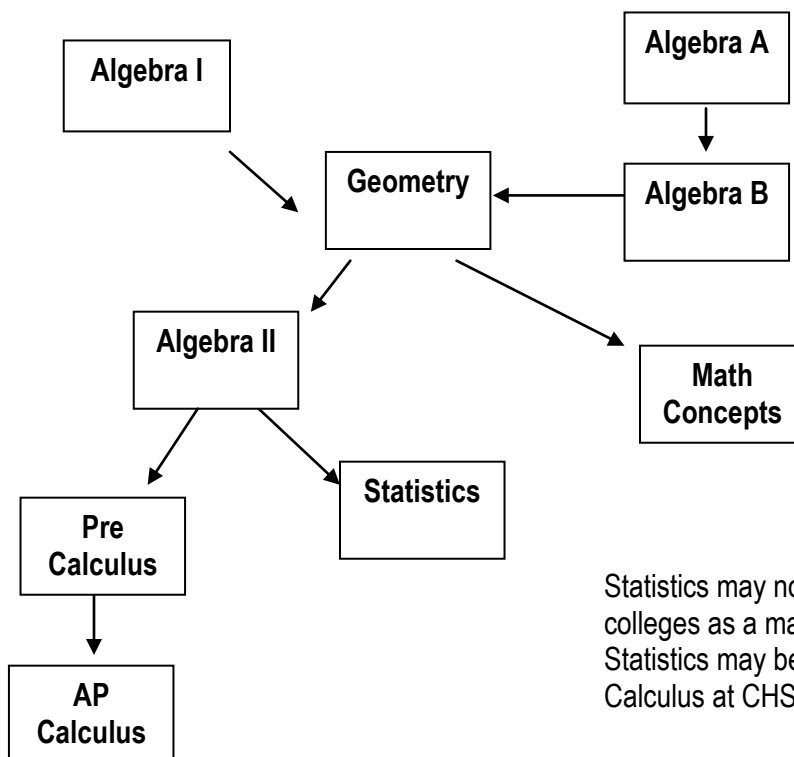
Credit: 1.0 credit



Concepts and Analysis provides a thorough coverage of beginning algebra with an emphasis on problem solving for real world applications. Topics covered include applying the order of operations to simplify numeric and algebraic expressions, applying the laws of exponents to operate with polynomials, factoring quadratic expressions, simplifying and solving linear and quadratic equations in one variable, solving 2x2 systems of equations, graphing linear equations in two variables, simplifying and solving equations containing a square root and simplifying and solving rational expressions. This course offers dual credit with Madison College and prepares students to take the math placement test at Madison College.

PROGRESSION OF MATH COURSES

The natural progress of math is
Algebra I—Geometry—Algebra II—Pre-Calculus—Calculus



Statistics may not be accepted at some 4 year colleges as a math credit. Statistics may be taken concurrently with Pre Calculus at CHS.

Music—Instrumental/General/Vocal

Instrumental

CONCERT BAND--Elective

Pre-Requisites: Previous experience

Grade Levels Offered : 9 - 12

Length of Course: Full Year

Credit: 1.0 credit

Concert Band provides activities in performance, marching, pep band, and fundamentals of music theory. Emphasis is placed on the development of intelligent musicianship, technical training and extensive repertoire. The band gives several public concerts a year as well as performances at all home football games, home conference basketball games, Homecoming and Memorial Day parades. Attendance at all performances is required. Students will learn and play many types and styles of music with a focus on rhythm, articulations, tone and overall musicianship. Students will be graded on performances, lessons, playing ability and participation, including attitude, effort and work ethic.

NOTE: Students participating in the band program at Cambridge High School are required to participate in a summer marching band camp, which typically takes place during the month of August. Students may earn lesson credit towards 1st quarter based on their participation during camp. Information on camp dates will be sent home during the spring semester of each year.

WIND ENSEMBLE--Elective

Pre-Requisites: By audition only

Grade Levels Offered : 9 - 12

Length of Course: Full Year

Credit: 1.0 credit

Wind Ensemble is an advanced band that involves upper level high school to entry level college band music. Students in this group are expected to participate in the same events as the concert band. Auditions for this course will take place in the spring for the following year. Students are committing themselves to the entire year of membership and full participation. Once auditioned and selected to be in Wind Ensemble, students are unable to drop at anytime during the year without full consent of the director. Early audition materials are available from band director. All members of Wind Ensemble must also enroll in Concert Band for the first quarter in order to rehearse for marching band. This course may require some early morning rehearsals (7:00 a.m.), or sectionals.

NOTE: Students participating in the band program at Cambridge High School are expected to participate in a summer marching band camp, which typically takes place during the month of August. Students may earn lesson credit towards 1st quarter based on their participation during camp. Information on camp dates will be sent home during the spring semester of each year.

COLOR GUARD--Elective

Pre-Requisites: By audition only

Grade Levels Offered : 9 - 12

Length of Course: First Quarter plus spring parades

Credit: .25 credit

Color Guard is a performance ensemble open to all Cambridge High School students. No experience is necessary. Students will learn the art of creating and performing a visual routine with the use of flags. Color Guard members perform a visual routine with the Cambridge High School Marching Band at all home football games, Homecoming Parade and other

Music/Instrumental, cont'd.

spring parades. Participation in this ensemble may require rehearsals outside normal school hours. Students who audition and are accepted into this ensemble are committing themselves to the entire year of membership and full participation.

Auditions will take place during the spring semester of each year. Once auditioned and selected to be in Color Guard, students are unable to drop at anytime during the year without full consent of the director. Participation in a summer marching band camp is required. Students selected as Color Guard members will be required to schedule this course the period that Concert Band is offered.

JAZZ ENSEMBLE--Elective

Pre-Requisites: Previous experience / consent of instructor

Grade Levels Offered : 9 - 12

Length of Course: Full Year

Credit: .25 credit

The High School Jazz Ensemble is a performing ensemble open to students interested in studying jazz music. Many styles of jazz music are studied including swing, Latin, rock and blues. Emphasis will be placed on learning how to play in a jazz style (i.e., jazz articulations, how to swing, etc.). There will also be time devoted to studying the history of jazz through listening to jazz music. Rehearsals will take place every Monday, Tuesday, & every other Friday from 7:00am to 7:40am. Students will be graded on attendance, participation and performances. Students may not be absent from rehearsals for any reason that would not otherwise be acceptable during the school day. Jazz Ensemble also has many performances outside of school concert performances. Students are expected to participate in these performances as well, some of which fall both during and outside of the school day.

General

MUSIC KEYBOARDING--Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester

Credit: .5 credit

This is a nonperformance general music course that will focus on basic piano technique as well as basic theory and beginning composition. While no public performance is required, students will be expected to play in front of the class and the instructor. Class size is limited. No prior experience is necessary.

MUSIC HISTORY--Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester

Credit: .5 credit

This course will provide students with a better understanding of music. Units of study will focus on famous composers, music of other cultures, Jazz, the evolution of Rock-n-Roll, musicals, and music styles of the 90's. The class will contain large-scale projects, papers, group work, and lots of listening to different types of music.

MUSIC THEORY--Elective

Pre-Requisites: Music Keyboarding preferred

Grade Levels Offered : 9 - 12

Length of Course: One Semester

Credit: .5 credit

This course will begin with basic theory. The primary focus, however, will be for students to create their own musical compositions using many of the fundamentals that have been introduced. **Anyone with a genuine interest in writing music should not be intimidated by the subject matter, or their previous familiarity with it.** This class will provide you with the tools to be productively creative when both writing music by hand, and using a computer program.

Vocal

VARSITY CHOIR--Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: Full Year

Credit: 1.0 credit

Cambridge High School Varsity Choir is a performing group open primarily to freshmen and sophomores. Many types and styles of music will be studied and performed. Attendance at scheduled concerts and festivals is mandatory. Students are also required to participate in lessons. Only vocalists who participate in choir are eligible to participate in the annual Conference Solo and Ensemble contest. Students will be trained in and study proper vocal techniques, basic music theory and sight reading as it relates to the music being studied.

Students will be graded on participation, quizzes, lesson attendance, knowledge, skill set, and concert performance participation, including attitude and work ethic.

CONCERT CHOIR--Elective

Pre-Requisites: Consent of instructor

Grade Levels Offered : 11, 12

Length of Course: Full Year

Credit: 1.0 credit

Cambridge High School Concert Choir is a performing group open to juniors and seniors. Many types and styles of music will be studied and performed. Attendance at scheduled concerts and festivals is mandatory. Lessons will also be given. Only vocalists who participate in choir are eligible to participate in the annual Conference Solo and Ensemble contest. Students will be trained in and study proper vocal techniques, basic music theory and sight reading as it relates to the music being studied.

Students will be graded on participation, quizzes, lesson attendance, knowledge, skill set, and concert performance participation, including attitude and work ethic.

SHOW CHOIR--Elective

Pre-Requisites: Audition / Consent of instructor

Grade Levels Offered : 9 - 12

Length of Course: Full Year

Credit: .5 credit

The High School Show Choir is an audition-only singing and dancing performing ensemble. Many styles of music will be studied including vocal jazz, swing, madrigal, pop, classical, etc. Students will be trained in and study proper vocal and dance technique and terminology as it relates to the music being studied. Show Choir meets outside the school day. All rehearsals are mandatory and scheduled two to three mornings per week from 7:00 to 7:45 a.m., as well as from 7:00-9:00 p.m. on Monday evenings. Students may not be absent from rehearsals for any reason that would not otherwise be acceptable during the school day. Show Choir also has many performances outside of our regular concert performances.

Students are expected to perform in these performances as well, some of which fall both during and outside of the school day. Students will be expected to purchase some of their own attire, such as dance shoes, bloomers, etc.

Students will be graded on participation, quizzes, knowledge, skill set, and concert performance participation, including attitude and work ethic. Show Choir expects each member to be at rehearsals and performances even more than usual as it is a select, vocal and visual performing ensemble.

By auditioning for Show Choir, students are committing themselves to the entire year of membership and full participation. Once auditioned and selected to be a Show Choir member, students are unable to drop at anytime during the year without full consent of the director. Students who are struggling with truancy issues in Show Choir may be dismissed from the ensemble as an "F-drop" grade due to the nature of its effectiveness on the entire ensemble.

Physical Education

PHYSICAL-EDUCATION 9--Required

Pre-Requisites: None

Grade Levels Offered : 9, 10

Length of Course: One Semester

Credit: .5

The physical education program is designed to teach various strategies and techniques for an assortment of activities. Focus will be placed on individual and team sports, as well as lifetime activities. Units will be approximately one month in length, with emphasis on participation and cooperation. Activities will include but are not limited to: Volleyball, soccer, handball, weight training, badminton, inline skating, golf, and swimming.

PHYSICAL-EDUCATION 10--Required

Pre-Requisites: Phy-Ed 9

Grade Levels Offered: 10

Length of Course: One Semester

Credit: .5

The physical education program is designed to teach various strategies and techniques for an assortment of activities. Focus will be placed on individual and team sports, as well as lifetime activities. Units will be approximately one month in length, with emphasis on participation and cooperation. Activities will include but are not limited to: ultimate football, volleyball, soccer, badminton, strength training, basketball/swim games, matball, bowling (fee of \$21-\$30 will apply).

PHYSICAL-EDUCATION 11/12--Required

Pre-Requisites: Phy-Ed 9

Grade Levels Offered: 10, 11, 12

Length of Course: One Semester

Credit: .5

This intense physical education program is designed to improve students overall fitness as well as teach various strategies and techniques for an assortment of activities. Students will learn about different training techniques and the different training zones associated with exercise as well as their benefits for weight loss and overall health. Technology (heart rate monitors) will be introduced and used by students to assess their overall performance on a daily basis. Individual activities include, but are not limited to: distance running, speed training, swimming, weight training, aerobics, badminton and bowling (There is a fee for bowling). Team activities include, but are not limited to: volleyball, lacrosse and soccer.

LIFEGUARDING--Elective

Pre-Requisites: 16 years or older and possess advanced swimming skills

Grade Levels Offered: 11, 12

Length of Course: One Semester

Credit: .5

This is a very intense and physically demanding course leading to an American Red Cross Lifesaving Certificate. Basic rescue and water safety skills will be taught along with first aid and CPR. Students who successfully complete this course will be eligible for employment as a lifeguard at area beaches and pools. This is an excellent way to earn extra cash while going to school. The student must have advanced swimming skills (able to swim 500 yards nonstop) to successfully pass

this course. The student will be responsible for any course fees and materials/books. Each student completing this class will receive an Employability Certificate.

WATER SAFETY INSTRUCTOR--Elective

Pre-Requisites: 16 years or older and possess advanced swimming skills

Grade Levels Offered: 11, 12

Length of Course: One Semester

Credit: .5

This is a very intense and physically demanding course leading to certification as an American Red Cross Swimming Instructor. This is an instructional certificate only. Students who successfully complete this course will be eligible for employment as a Red Cross swimming instructor. Students wishing to secure employment as a swimming instructor and lifeguard must also have a life guarding certificate. The student must have advanced swimming skills (able to swim 500 yards nonstop) to successfully pass this course. The student will be responsible for any course fees and textbooks. Each student completing this class will receive an Employability Certificate.

**.5 Credit Physical Education Exemption -- Board Policy #345.54
POLICY TO TAKE EFFECT BEGINNING WITH THE 2013/14 SCHOOL YEAR**

A student who meets all of the following requirements shall be eligible to complete an additional one-half credit in an elective mathematics, science, English, social studies, health education, or music course in lieu of one-half credit of physical education for the purposes of meeting high school graduation requirements.

1. The student must complete three full seasons of participation in one or more WIAA sanctioned Junior Varsity, Varsity, or other district sponsored sports before becoming eligible for this exemption. In addition, the student must be actively participating in a sport the year that this exemption is granted. -The student must not have had any activity code violations, must have maintained academic eligibility, and must have been a team member in good standing in each activity or sport that s/he participated in.
2. The exemption utilized under this policy must be completed prior to the second semester of the student's senior year.
3. Eligible students must file an exemption request with the Counselor and Athletic Director for review and approval after meeting the three season eligibility. For graduation purposes, the athletic director and counselor will keep a record of those students receiving this waiver, and the academic elective chosen in lieu of the Physical Education requirement. The deadline for applications will be the end of the junior year.
4. Any student injured and determined unable to perform during the course of his/her sanctioned season may ask for an exemption based upon medical verification of the injury and recommended time off. The request must be made in writing, with supporting documentation, to the principal's office. A review committee consisting of the Athletic Director, counselor, principal, and affiliated coach will review the appeal and render a decision. The student may appeal the decision to the superintendent within 5 working days. The review and decision by the superintendent will be final.
5. A student with a disability, who is not able to meet the requirements for participation in any of the school's WIAA or other school sponsored sports programs due to his/her disability, but who has participated in another organized physical activity approved by the Athletic Director and the Director of Special Education under similar conditions as outlined above, may also be eligible for this physical education credit option.

The application form can be obtained in the guidance office.

Science

GENERAL BIOLOGY—Required for 9th grade

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: Full Year

Credit: 1.0 credit

The general biology course will focus on four major areas of biology. Students will investigate the cell as the basic unit of life and be introduced to Mendelian genetics. Students will learn the importance of microbial organisms in the cycle of life. Students will survey complex organisms and complete a classical mammalian dissection as a comparative anatomy tool. Students will study field biology through project-based learning activities at the school forest.

PHYSICAL SCIENCE—Required for 10th grade

Pre-Requisites: Biology

Grade Levels Offered : 10, 11, 12

Length of Course: Full Year

Credit: 1.0 credit

The physical science course presents a well balanced science course, stressing processes and activities of science. Subject areas stressed are matter, energy and it's effect on environment, the electromagnetic nature of matter, the basic chemical activities of matter, and how each is related to the individual.

HUMAN ANATOMY/PHYSIOLOGY--Elective

Pre-Requisites: Biology, Chemistry or con-current enrollment in Chemistry

Grade Levels Offered : 11, 12

Length of Course: Full Year

Credit: 1.0 credit

This course will benefit students who have a strong interest in human biology and/or plan to pursue a career in the medical field, veterinary science or other related health science fields. Human Anatomy and Physiology will be the focus of the course. Students will gain an in depth understanding of the structure and processes involved in each of the major human body systems. In the fourth quarter, students will explore the causes, characteristics and impacts of various diseases and disorders through a study of Pathophysiology. In addition, each student will be involved in designing and conducting an ongoing research project based on authentic inquiry questions that have been derived from the study and discussion of human anatomy and physiology.

EARTH SCIENCE--Elective

Pre-Requisites: Physical Science

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit

How large is the universe? Will California drop into the ocean? Where is Wisconsin's "tornado alley"? When is our next snow day? How can you help solve the climate puzzle? The answers, more questions and the information surrounding natural phenomena can be found in this class. Recommended for those who have had only two years of science.

The following topics will be covered: 1) astronomy and space science; 2) geology and plate tectonics; 3) meteorology.

CHEMISTRY--Elective

Pre-Requisites: Biology, Physical Science and consent of instructor

Grade Levels Offered : 10, 11, 12

Length of Course: Full Year

Credit: .1.0 credit

The chemistry course is designed to prepare students for college chemistry as well as to provide a basic working knowledge of chemistry for those students not going on in science. Laboratory techniques and problem solving are stressed.

ADVANCED CHEMISTRY--Elective

Pre-Requisites: Chemistry

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit

Advanced Chemistry will continue to develop and expand your understanding of your effect and place in our chemical based society. Topics will include organic chemistry, thermo chemistry, kinetics and equilibrium. Lab techniques will be used to illustrate each area of discussion.

PHYSICS--Elective

Pre-Requisites: Algebra I, Geometry, Algebra II or con-currents enrollment w/Algebra II
(Not recommended for students with less than a C average in the above classes)

Grade Levels Offered : 11, 12

Length of Course: Full Year

Credit: 1.0 credit

Physics is a course of preparation for students who plan to enter any of the scientific professions or technical fields. The topics that will be covered in varying degrees include mechanics, heat, energy conservation, acoustics, electricity, and modern physics.

ENVIRONMENTAL SCIENCE--Elective

Pre-Requisites: Two science courses (Biology & Physical Science or Chemistry)

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit

Environmental Science will present a basic overview of ecology as it applies to local, regional and worldwide environmental issues. One water ecology service learning project and one forest ecology service learning project will be incorporated into the curriculum.

Social Studies

SOCIAL STUDIES 9--Elective

Pre-Requisites: None

Grade Levels Offered : 9

Length of Course: One Semester

Credit: .5 credit

This course is designed to build skill-sets and critical thinking abilities, it will include a broad focus of geography, human relations, culture, social history, conflict and cause and effect, as it relates to our world today and in the past. A project and research-based focus will reinforce skills and prepare students for deeper learning in the social sciences for the remainder of their high school studies.

WORLD HISTORY--Required

Pre-Requisites: None

Grade Levels Offered : 10

Length of Course: Full Year

Credit: 1.0 credit

This course chronicles the development of man from prehistory to the turn of the twentieth century. It examines the impact of history's greatest civilizations on the development of human beings. Emphasis is placed on all the great cultures of antiquity, along with the development of those cultures which directly shape our world today.

U.S. HISTORY--Required

Pre-Requisites: None

Grade Levels Offered : 11

Length of Course: Full Year

Credit: 1.0 credit

Through the study of United States History our nation's brightest moments and darkest days will be remembered. Beginning with the birth of our American democracy and proceeding on through war, growth, struggle and reform to contemporary events. A special focus will be placed upon geography, problem solving, diversity, political history and social history.

SOCIAL PSYCHOLOGY--Elective

Pre-Requisites: None

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit

Social Psychology explores the human as an individual, it's content and activities search how humans develop individual personalities, how we learn, and how we are motivated. It can offer a glimpse into the frontier that is the brain; in disorder, in sleep and at it's creative best. In practical terms Social Psychology deals with the mind, emotions, and abilities, in the pursuit of becoming more fully human.

GOVERNMENT & ECONOMICS--Required

Pre-Requisites: None

Grade Levels Offered : 12

Length of Course: One Semester

Credit: .5 credit

This course will explore the fundamental rights and responsibilities of the individual in our democracy. Through reading and interpreting the Constitution our government's legal, legislative and executive levels will be experienced. Time is devoted to the link between government and economics. A focus on theories and markets will be tied to the personal economics of finances and investments.

SOCIOLOGY--Elective

Pre-Requisites: None

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit

Sociology is the study of societal groups and the individual's role. Facts and theories are inspected in areas such as human relations, discrimination, cultural anthropology, gender roles, marriage and family, religion and cults and social problems. Research, discussion and activities are core elements of the course.

AP PSYCHOLOGY--Elective

Pre-Requisites: Consent of instructor

Grade Levels Offered : 12

Length of Course: Full Year

Credit: 1.0 credit

Advanced Placement Psychology is a one semester course that focuses on the study of the human brain and human behaviors. This class studies the history, psychological theories, concepts, and ethics of the field. Students also learn the methodology of psychological research through summaries and creating experiments to further the learning experience. Course content and skills are mastered with the goal of obtaining college credit.

AP GOVERNMENT--Elective

Pre-Requisites: Consent of instructor

Grade Levels Offered : 12

Length of Course: Full Year

Credit: 1.0 credit

Advanced Placement Government and Politics is a one semester course that focuses on the government systems of the United States. Topics included are constitutional beliefs, political beliefs, political parties, government institutions, public policy and civil rights. Case studies and primary source documents are used to further enhance understanding of each concept. Course content and skills will be mastered with the goal of obtaining college credit.

CAREER PROGRAM OF STUDY

ARCHITECTURE & CONSTRUCTION

DESIGN/PRE-CONSTRUCTION

	Grade 9	Grade 10	Grade 11	Grade 12
HIGH SCHOOL	Required Courses <i>English:</i> English I <i>Math:</i> Algebra I <i>Science:</i> Biology <i>Social Studies:</i> N/A Health PE 9	Required Courses <i>English:</i> English II <i>Math:</i> Geometry <i>Science:</i> Chemistry <i>Social Studies:</i> World History C.A.R.E.E.R.S. PE 10	Required Courses <i>English:</i> English III <i>Math:</i> Algebra II <i>Science:</i> Advanced Biology <i>Social Studies:</i> US History PE 11/12 Personal Finance	Required Courses <i>English:</i> 2 Electives <i>Math:</i> tbd <i>Science:</i> tbd <i>Social Studies:</i> Govt/Econ Social Studies Elective PE 11/12
	Related Elective Courses Introduction to Technology & Engineering	Related Elective Courses Engineering Digital Production & Design Basic Electricity Materials & Processes	Related Elective Courses Metals Technology Woods Technology Engineering Digital Production & Design Basic Electricity Manufacturing Technology Small Engines	Related Elective Courses Engineering Digital Production & Design Basic Electricity Metals Technology Woods Technology Construction Technology Manufacturing Technology Digital Productions Small Engines

POST-SECONDARY	Wisconsin Technical College System (Marketing and Service)	College/University System (Career Poster)
	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Architectural Drafting <input checked="" type="checkbox"/> Architectural Residential Design <input checked="" type="checkbox"/> Civil Engineering Technician <input checked="" type="checkbox"/> Mechanical Drafting <input checked="" type="checkbox"/> Electrical/Electronic Drafting 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Architect <input checked="" type="checkbox"/> Civil Engineering <input checked="" type="checkbox"/> Industrial Engineering <input checked="" type="checkbox"/> Electrical Engineering <input checked="" type="checkbox"/> Structural Engineering

CAREER ENHANCEMENT	Work/School Activities	Job Shadows/Community Service	Youth Apprenticeship
	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Apprenticeship <input checked="" type="checkbox"/> Coop 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Architectural & Engineering Type Jobs <input checked="" type="checkbox"/> Construction Type Jobs 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Construction Type Jobs

Potential Occupations:

► Listed Occupations from Career Cluster
Architect
Building Code Official
Building Designer
Civil Engineer
Code Official

Cost Estimator
Drafter
Electrical Engineer
Electronic Engineer
Environmental Designer
Environmental Engineer
Fire Prevention & Protection Engineer
Industrial Engineer

Interior Designer
Landscape Architect
Materials Engineer
Regional & Urban Planner/Designer
Safety Director
Specification Writer
Structural Engineer
Surveying & Mapping Technician

Technology & Engineering

INTRODUCTION TO TECHNOLOGY & ENGINEERING--Elective

Pre-Requisites: None

Grade Levels Offered : 9, 10

Length of Course: One Semester

Credit: .5 credit

This is a hands-on course involving the exploration of the four major subject areas of Technology & Engineering: Communications, Woods, Metals, and Transportation. This is the introductory course of the Technology and Engineering department. This course will include:

- Bookshelf (Woodworking)
- Welding and Sheet Metal Projects (Metals)
- Research and Design
- Problem Solving

This is a great course to find out what Technology & Engineering offers and introduction into a future career for you.

Communications

ENGINEERING DESIGN--Elective

Pre-Requisites: None

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester

Credit: .5 credit

This course introduces students to the basic skills required to create and read industrial drawings. Units covered include sketches, 2-D graphics, 3-D computer solid modeling, and computer architecture drafting. From these four areas, students will have a better understanding of drafting communications, as well as many other related course opportunities. CAD software will be used in this course.

DIGITAL PRODUCTION I—Elective (Digital Photography and Video Production

Pre-Requisites: None

Grade Levels Offered : 9, 10, 11, 12

Length of Course: One Semester

Credit: .5 credit

This course is an introduction to the concepts and practices of digital imaging techniques and associated equipment. This course is a project based application of digital media as it relates to the industry. A variety of tools will be explored including:

- Video equipment
- Digital photography equipment
- Editing software

Possible projects developed may include:

- Commercials
- Advertising
- Movies
- Video Game Production
- Web Page Design

While there is not a prerequisite for this course a basic working knowledge of computers and associated equipment is recommended.

Manufacturing/Construction

BASIC ELECTRICITY--Elective

Pre-Requisites: None

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester

Credit: .5 credit

This course is intended to give students a broad overview of basic electricity as seen in all areas of residential and commercial applications. The majority of the course is centered on DC circuits. Students will be using the NIDA electronics trainer along with NIDA's computer software curriculum to accomplish this. Areas that will be studied are:

- Introduction to Electricity
- Multimeter Measurement
- Soldering
- Basic DC Circuits
- Complex DC Circuits.
- Residential Wiring

WOOD TECHNOLOGY--Elective

Pre-Requisites: None

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester

Credit: .5 credit

This course is an introduction to the woods industry and operations in woodworking. Hand tools, portable power tools and woodworking machines will be used to make projects. Safe practices and techniques for proper handling and care of all tools will be required. A lab fee will be required. Project materials will be paid for by the student.

METALS TECHNOLOGY--Elective

Pre-Requisites: None

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester

Credit: .5 credit

This is a hands-on course which introduces students to many types of tools, equipment and machines used in the metals industry. Three areas will be studied:

- Sheet metal
- Machining
- Welding

Students will be given individual packets on each area and will work at their own pace. Project materials will be paid for by the student.

MANUFACTURING TECHNOLOGY--Elective

Pre-Requisites: Introduction to Technology & Engineering

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester

Credit: .5 credit

The Materials and Processes Technology course provides students with an introduction to: (1) properties of industrial materials, (2) production of standard stock or industrial materials, and (3) transformation of standard stock into finished products. The emphasis of the course is on activity-centered study of the types and characteristics of engineering materials and concepts common to processing polymeric, metallic, ceramic and composite materials. A lab fee will be required

CONSTRUCTION TECHNOLOGY--Elective

Pre-Requisites: Introduction to Technology & Engineering and Wood Technology

Grade Levels Offered : 12

Length of Course: One Semester

Credit: .5 credit

This is a hands-on course which introduces students to many different aspects of the construction industry. Buildings are divided into systems and are examined from the planning stages to completion. Tools, materials, design and construction techniques are covered. Activities will be centered on individual and group activities. A lab fee will be required.

Energy, Power & Transportation

GREEN TECHNOLOGY--Elective

Pre-Requisites: None

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester

Credit: .5 credit

This course provides the student with a technological overview of green energy topics that include; bio-diesel, wind, hydroelectric, photovoltaic, nuclear, and transportation fuels. Students will study and construct models that show the impact of the green energy in the following areas:

- Solar Car & Solar Cell
- Hydroelectricity
- Wind Energy

The field of green is expanding. New careers are being added every day. This course will give you an overview of the possibilities. A lab fee will be required.

SMALL ENGINES--Elective

Pre-Requisites: Intro to Technology & Engineering

Grade Levels Offered : 10, 11, 12

Length of Course: One Semester

Credit: .5 credit

This course in part is an in depth study of the design and principles of operation of the internal combustion engine. Students will have the opportunity to work on a Kohler Courage Engine. The student will:

- disassemble a small engine
- make critical measurements
- diagnose common engine wear problems
- reassemble the engine.

The second segment deals with the common accessories attached to an internal combustion engine. Accessories explored include the carburetor, starter systems, and both the secondary and primary ignition systems. Students will review four-stroke and two-stroke engines, followed by lab time where they will bring in their own engines to perform common maintenance tasks.

MANUFACTURING YOUTH APPRENTICESHIP--Elective

Pre-Requisites: Identified Manufacturing Career Major

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit per semester
.5/180 hours of work experience

This program involves 450 hours of paid work experience over the year with a mentor/trainer. Selection of this program is done through an interview process for the coordinator, instructor and employer. If interested, the student must contact the guidance department for an application.

AUTOMOTIVE TECHNOLOGY YOUTH APPRENTICESHIP--Elective

Pre-Requisites: Small Engines and Identified Automotive Career Major

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit per semester
.5/180 hours of work experience

This program involves being enrolled in Small Engines in the junior year. The senior year involves enrollment in the Dane County AYES Automotive Technology program and being involved in the youth apprenticeship Level 2 program. The program involves 450 hours of paid work experience for a Level 1 program and 900 hours of paid work experience for a Level 2 program with a mentor/trainer. Selection for this program is done through an interview process by the coordinator, instructor and employer. If interested the student must contact the guidance department for an application.

Careers

EDUCATION FOR EMPLOYMENT--Elective

Pre-Requisites: Successful student interview and approval by the school-to-work team

Grade Levels Offered : 11, 12

Length of Course: One Semester

Credit: .5 credit

Students will research and pursue a career choice. They will complete a job portfolio and get practical work experience in job shadowing, mentorship and actual work. This course is an independent study experience. Enrolled students will meet periodically with the Education for Employment coordinator to monitor progress and obtain assistance. Unless directly related to career goals, all work experience will be scheduled outside of the school day.

Service Credit

SERVICE CREDIT--Elective

Pre-Requisites: Consent of school counselor

Grade Levels Offered : 12

Length of Course: 1 Credit Maximum

This is a pass/fail credit being offered for senior students who have already earned credits in the peer assistant program. The course involves volunteering time either out of study hall or outside the school day to help with community activities. This could involve volunteering as an elementary/middle school peer assistant, as an aide at Woven Hearts, teaching Sunday school, scouting, etc. A minimum of 45 hours satisfactory work is required to earn credit per quarter (180 hours per credit). This program will be supervised by the school to work coordinator. These hours cannot count towards the Silver Cord Program.

ON-LINE CLASSES

CHS has the availability to many on-line classes. If you have interest in a particular field and would like to explore the possibility of an on-line class, please see the school counselor.

ON-LINE/AP COURSES

All AP courses require pre-approval from the teacher and your school counselor. Submit completed Advanced Placement Request Form found at the end of this book to your school counselor. The following list includes but is not specifically limited to the more popular on-line courses:

AP ART HISTORY I and II--Elective

Pre-Requisites: None

Grade Levels Offered : 9 - 12

Length of Course: One Semester/each

Credit: .5 credit/semester

In Art History students will take an exciting journey back through time, and across the globe to discover important works of art and the cultures in which they were made. In this course, innovation and creativity in the world of art will be explained and explored. Key pieces of art will be identified and discussed, and students will have the opportunity to see a variety of cultures and events through the lens of visual art. The course starts with a look at art from the Prehistoric Age. The shift to permanent dwellings is explored next in the Ancient cultures of Mesopotamia and Egypt with the architecture that signals humanity's need to influence the environment. The works of Ancient Greece and Rome are examined along with a look outside Europe to Africa and the Americas. The course ends with a look at Medieval and Renaissance Art, and how new techniques and focus influence art all over the globe.

AP ENGLISH LANGUAGE & COMPOSITION--Elective

Pre-Requisites: At least a B- in most recent English course

Grade Levels Offered : For qualified AP students

Length of Course: Full Year

Credit: 1.0 credit

Students learn to understand and analyze complex styles of writing by reading works from a variety of authors. They'll explore the richness of language, including syntax, imitation, word choice, and tone. They'll also learn about their own composition style and process, starting with exploration, planning, and writing, and continuing through editing, peer review, rewriting, polishing, and applying what they learn to a breadth of academic, personal, and professional contexts. The equivalent of an introductory college-level survey class, this course prepares students for the AP Exam and for further study in communications, creative writing, journalism, literature, and composition.

AP STATISTICS--Elective

Pre-Requisites: Algebra II

Grade Levels Offered : For qualified AP students

Length of Course: Full Year

Credit: 1.0 credit

Students have hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results from another poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP Exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

AP BIOLOGY--Elective

Pre-Requisites: Biology or Chemistry
Grade Levels Offered : For qualified AP students
Length of Course: Full Year
Credit: 1.0 credit

Students build the conceptual framework necessary to understand science as a process. The course is divided into three sections with correlating laboratory exercises: molecules and cells; heredity and evolution; and organisms and populations. Students will also explore evolution, energy transfer, continuity and change, the relationship of structure to function, regulation, interdependence in nature, and the balance of science, technology, and nature. Ten wet labs are required. Lab sessions will be scheduled on two Saturdays by the teacher and will be held at a central location. The equivalent of an introductory college-level biology course, AP Biology prepares students for the AP Exam and for further study in health sciences.

AP CHEMISTRY--Elective

Pre-Requisites: Chemistry and Algebra II
Grade Levels Offered : For qualified AP students
Length of Course: Full Year
Credit: 1.0 credit

This course builds students' understanding of the nature and reactivity of matter. After studying the structure of atoms, molecules, and ions, students move on to solve quantitative chemical problems and explore how molecular structure relates to chemical and physical properties. Students will examine the molecular composition of common substances and learn to predictably transform them through chemical reactions. Twelve wet labs are required. Lab sessions will be scheduled by the teacher on 2-3 Saturdays at a central location. The equivalent of an introductory college-level chemistry course, AP Chemistry prepares students for the AP Exam and for further study in science, health sciences, or engineering.

AP MACROECONOMICS--Elective

Pre-Requisites: Algebra II
Grade Levels Offered : For qualified AP students
Length of Course: One Semester
Credit: .5 credit

AP Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP Exam and for further study in business, political science and history.

AP MICROECONOMICS--Elective

Pre-Requisites: Algebra II
Grade Levels Offered : For qualified AP students
Length of Course: One Semester
Credit: .5 credit

This course studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior

On-Line/AP Courses, cont'd.

under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The equivalent of a 100-level college course, AP Microeconomics prepares students for the AP Exam and for further study in business, history, and political science.

AP U.S. HISTORY--Elective

Pre-Requisites: At least a B- in most recent social studies course

Grade Levels Offered : For qualified AP students

Length of Course: Full Year

Credit: 1.0 credit

This course analyzes and explores the economic, political, and social changes in America since Columbus. Student's master historical knowledge and critical analysis, build reading, writing, and communication skills, and discover how historical events have contributed to American culture. In the process, they'll learn how decisions and events of the past continue to have profound effects on the world today and how knowledge of the causes behind past events can influence future decisions. By the end of the course, students will be ready to put their factual knowledge to work by weighing evidence and interpreting problems presented by historians. The equivalent of an introductory college-level course, AP U.S. History prepares students for the AP Exam and for further study in history, political science, economics, sociology, and law.

AP SPANISH & COMPOSITION--Elective

Pre-Requisites: 3-4 years of Spanish AND recommendation of Spanish teacher

Grade Levels Offered : For qualified AP students

Length of Course: Full Year

Credit: 1.0 credit

Students practice perfecting their Spanish speaking, listening, reading, and writing skills. They study vocabulary, grammar, and cultural aspects of the language, and then apply what they've learned in extensive written and spoken exercises. By the end of the course, students will have an expansive vocabulary and a solid, working knowledge of all verb forms and tenses. The equivalent of a college-level language course, AP Spanish Language prepares students for the AP Exam and for further study of Spanish language, culture, or literature.

AP Courses are subject to possible revisions by the College Board and may not be available in any given year.

Other on-line courses are available upon consent of the counselor and TAG Coordinator.

Advanced Placement Course Request

STUDENT NAME: _____ DATE: _____

GRADE: (circle one) 10 11 12

Please check one of the following:

_____ This is my first Advanced Placement Course Request

_____ I have previously completed an Advanced Placement Course with a grade of “B” or better

The following is a list of the more popular Advanced Placement courses:

- AP Art History I & II
- AP Studio Art—Drawing
- AP Studio Art—2-D Design
- AP Studio Art—3-D Design
- AP Biology
- AP Calculus AB
- AP Chemistry
- AP English Language & Composition
- AP Government and Politics –United States (One Semester)
- AP Macroeconomics (One Semester)
- AP Microeconomics (One Semester)
- AP Spanish & Composition
- AP Statistics
- AP US History

_____ Other course(s) you would like to take?

First AP Choice: _____

Second AP Choice: _____

NOTE: Online AP courses require a student to be an independent and autonomous learner. Students enrolling should demonstrate a great deal of self-motivation and discipline. Courses require an eight-hour average commitment per week. Students should have a strong interest in the subject matter as well as high level reading and writing skills.

**ALL AP COURSE REQUESTS ARE SUBJECT TO APPROVAL BY
SCHOOL COUNSELOR/TAG COORDINATOR**