

Hortonville High School
Polar Bears



2010 - 2011
Course Offerings Guide
&
Career Planning

Non-Discrimination Policy

The Hortonville School District does not discriminate against pupils on the basis of sex, race, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap in its educational programs or activities.

Federal law prohibits discrimination in employment on the basis of age, race, color, national origin, sex, religion, or handicap.

Dear Parents and Students:

Welcome!

Hortonville High School offers a large variety of educational activities and opportunities in the hope that all students will have a successful high school experience. This career planning and course offerings booklet should be reviewed carefully by students and parents so courses can be selected that best meet the student’s needs. Only brief descriptions are contained in this booklet and we encourage you to contact guidance counselors, teachers, and administrators to obtain any additional information or to discuss other options you may need to fulfill your educational experience!

Thanks,

Bob McIntosh, Principal Dan Ohlmann, Associate Principal Wendy Neyhard, Associate Principal Jason Hurley, Activities Director

COUNSELORS

Mary Lynn Hermus – Last Names A - G
 Marcia Piette – Last Names H - O

Tiffany Vogel - Last Names P - S
 Joel Newcomb – Last Names T – Z, School-to-Work Coordinator

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REGISTRATION PROCESS

1. Read and study the information contained in the beginning of the registration book. Share this information with your parents.
2. Be certain you have arranged to enroll in all required subjects including the retaking of required classes you may have failed.
3. Check to be certain you will have the credits necessary for graduation.
4. Complete the course selection sheet for the coming school year. Take it home to be approved and signed by your parents.
5. Hand your signed course selection sheet to your counselor or the counseling office.

Student should complete a course selection sheet even if there is some question as to their returning to Hortonville High School next year. The availability of courses cannot be guaranteed at a later date.

While every effort has been made to make this course description book accurate, the counseling office and principal have final say on all scheduling matters.

COURSE FEES

Some courses have enrollment fees to cover the cost of consumable supplies and resources used by students. Fees are listed with the course descriptions. Technology Education and Art fees vary from student to student depending on the cost of materials for the projects the student selects. (The School Board may also raise course fees when adopting the school district budget).

IMPORTANT INFORMATION FOR SCHEDULING

- Know the Graduation Requirements (page 5).
- Students are required to enroll in a minimum of six classes for credit one semester and seven classes for credit the other semester (a minimum of 6.5 credits per school year).
- Many classes have prerequisites that must be taken prior to enrolling in the class.
- Choose your electives carefully.
- Registration Forms must contain all necessary signatures.
- When in doubt, contact a counselor! You can contact your counselor at 779-7934.
- A course may not be used to complete a credit requirement in more than one area.
- Seniors must pass a minimum of five credit classes per semester for graduation.

GRADUATION REQUIREMENTS

Subject	Credits	Required Courses
Language Arts	4 Credits	Grade 9 - English 9 or Honors English 9 (1) Grade 10 - English 10 or Honors English 10 (1)
Mathematics*	3 Credits	Applied Algebra, Algebra, or higher
Science	3 Credits	Grade 9 – Integrated Science or Honors Biology (1) Grade 10 – Biology, Honors Biology, Physical Science or Chemistry (1) Grade 11 or 12 – one credit of Science
Computer Applications	.5 Credit	Computer Applications A (.5) or Computer Applications B (.5)
Wellness	2 Credits	Grade 9 – Physical Education I (.5) Grade 10 – Physical Education II (.5) and Health (.5) Grade 11 or 12 – additional .5 credit of Physical Education (.5)
Social Sciences	4 Credits	Grade 9 – Geography (.5) and Government (.5) Grade 10 – U.S. History (1) Grade 11/12 – one credit of geographical/historical studies (1) and - .5 credit of behavioral/analytical studies (.5) and - .5 credit of additional Social Science (.5)
Occupations	2 Credits	Two credits in one of the following areas: Art, Business Education, Family and Consumer Science, or Technology Education or two credits in Math, Science, or Computer Science beyond the 6.5 credit requirement (2)
Fine Arts/ World Languages**	1 Credit	One credit, in one of the following areas: Art, Band, Chorus, Drama, and World Language (1)
Electives	4.5 Credits	
Youth Service Learning	36 Hours	36 hours of volunteer work are required for graduation
Total	24 Credits	

*Commencing with the class of 2009, Algebra successfully completed at the 8th grade level will count toward the 3 credit math requirement for graduation. The instructor must have been certified by the Wisconsin Department of Instruction in secondary mathematics.

**Commencing with the class of 2009, Foreign Language successfully completed at the 8th grade level will count toward the 1 credit of foreign language/fine arts requirement for graduation. The instruction must have been certified by the Wisconsin Department of Public Instruction in secondary foreign language.

PLANNING FOR THE FUTURE

During the four years of high school, students are establishing an educational foundation for their future. This may include immediate employment after completing high school, enlistment in one of the military services, or post-high school education or training. Factors which are important for each student's future are:

1. The selection of courses while in high school.
2. The grades received which determine the grade point average and the student's rank within the class.
3. The attendance record which includes both absenteeism and tardiness.
4. The activities in which a student has participated, both in and outside of school; the personal recommendations of teachers, counselors, and administrators.

Careful selection of high school courses is essential for students considering post-high school education, which may include colleges, technical schools, and military academies. Please consider carefully the following recommendations as they may affect your future plans.

POST HIGH SCHOOL EDUCATION PLANNING

1. Always check the catalogue or brochure of the school in which you are interested and select courses necessary to meet the entrance requirements of that particular school. This information may be obtained from your counselor. Counselors can also help you interpret admission requirements.
2. College bound students usually take the Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT) as juniors. This examination helps students to assess and compare their verbal and mathematical reasoning abilities. It can also provide students with an estimate of their probable performance on the Scholastic Aptitude Test (SAT) which is a college entrance examination. See your counselor for details.
3. Colleges may require the American College Test (ACT) or the Scholastic Aptitude Test (SAT) as entrance examinations. If either is required, we suggest that you take it in the spring or summer after your junior year or no later than the fall of your senior year. Applications are available from the counselors.
4. English is important for success in post-high school education. Students are strongly encouraged to take additional courses in composition and literature.
5. College bound students should plan to take algebra, geometry, and advanced algebra and are encouraged to take as much mathematics as they can successfully complete. Post high school programs vary in their mathematics requirements.
6. Students should consider taking chemistry and physics. If a scientific or medical field is considered, student should take as much science as possible depending upon interest and school requirements. Always check the catalogue or brochure of the school in which you are interested.
7. Although all colleges do not require a foreign language for admittance, many schools require it for college graduation. These schools usually accept high school foreign language as one way of meeting their foreign language requirement. Students should always consult the specific college catalogue or brochure.
8. If students know what interest areas they are going to pursue, they should take the advanced courses offered in the high school curriculum.
9. Students should be aware and consult with their counselor about opportunities for college credit through:
 - a. Advanced Placement (AP) Courses
These college-level courses taken at Hortonville High School enable students to receive college credit if they elect to take and pass the AP exam.

b. Cooperative Academic Partnership Program (CAPP) Courses

CAPP is an agreement between the University of Wisconsin-Oshkosh and Hortonville High School. It provides students in grades 11 and 12 opportunities to take college level courses at Hortonville High School if they meet UW-Oshkosh requirements. To enroll in CAPP, students need to meet ONE of the following requirements:

- Be in the upper 25% of their class
- Have a 3.25 GPA or higher on a 4.0 scale
- Have an ACT score of 24 or higher and be in the upper 50% of their class

For exceptional students who do not qualify under the above guidelines, a Teacher Recommendation Form may be submitted. By completing introductory college courses, students are often able to move directly to more advanced courses when they get to college. Students will receive dual credit for CAPP coursework – high school credit as well as college credit. High school teachers give the high school grades. The university grade is recorded on the student's university transcript. Credit earned in CAPP is transferable to other institutions which accept regular University of Wisconsin credit. There are, however, schools that do not accept transfer credits. *It is the responsibility of each individual student to inquire at the university he/she is planning to attend as to the transferability of CAPP credits.*

c. Technical College Tech Prep

Hortonville High School has an agreement with Fox Valley Technical College whereby certain classes taken at Hortonville High can provide eligibility for advanced standing for student who pursues an associate degree or technical diploma at FVTC. (See class listing for Hortonville's advanced standing courses with FVTC.) NOTE: Fox Valley Technical College will make the determination of awarding advanced standing. Hortonville High School has also articulated with FVTC for transcribed (dual) credit. In addition to receiving a high school transcript, grades are posted on an official technical college transcript and tabulated in the student's technical college GPA. (See class listing for Hortonville's transcribed credit courses with FVTC.)

d. Youth Options

Youth Options is an opportunity for juniors and seniors to earn credits on-site at a local technical college/university campus. Participating in Youth Options requires approval by the high school guidance counselor, principal and post-secondary school. For four-year college course, students must be in the top 25% of their class. For the WI Technical College system, students must have a minimum of a 2.0 GPA to be considered a student in good standing. See page 40 for additional information.

10. Most colleges and technical schools help qualified students who have financial need by offering scholarships, grants, loans, and employment programs. For further information, see your counselor early in your senior year.
11. Students may have questions about their future educational plans. They are encouraged to make an appointment with their counselors.
12. If you plan to enter college in Fall 2009 or later, the following required courses are the minimum you will need to enter the UW System. Some universities will require more.
 - 4 years of high school English, including 3 credits of composition and literature
 - 3 years of social science/ history
 - 3 years of mathematics, including algebra and geometry or higher math
 - 3 years of natural science, including one or more units of laboratory science, such as biology, chemistry or physics. Courses with a strong laboratory component is strongly recommended and even required by some universities.

You also need FOUR more courses from the above areas (English, social science, mathematics, natural science), foreign language, fine arts, computer science and other areas. Having two years of a single foreign language is required or strongly recommended at some universities (required at UW-Eau Claire & UW-Madison). Remember to see your counselor for up-to-date information and requirements of any university you are thinking of attending.

COURSE OFFERINGS

➤ - Prerequisite

Alternative Education

The Hortonville Alternative High School Program provides direct services to grades 10, 11 and 12. Three full-time teachers staff the program. The instructors are responsible for coordination of the program with the main building, day to day operation, supervision and teaching of students under direction from the high school administration.

Alternative Education uses the PASS program, e2020, and Nova Net as a basis for curriculum along with traditional coursework. PASS (Portable Assisted Study Sequence) combined with computer Nova Net lessons make up individualized classes designed to contribute to positive student growth in attitude, knowledge and skill. Students also take classes at the main building.

Entrance: Students are referred by parents, teachers, or self-referred through the Counseling Department. The Counseling Department and screening committee makes recommendations and monitors the admission criteria. The Alternative Education teachers interview candidates prior to each semester. Enrollment is limited.

Courses offered include:

English - PASS/Nova Net
Social Studies - PASS/Nova Net
Mathematics - PASS/Nova Net
Health Education - PASS/Nova Net
School Supervised Work Experience

Short Stories I & II
18-What Does It Mean?
Science - PASS/Nova Net
Study Skills - PASS/Nova Net
Careers I & II

Art

Art I (5005-06) is a basic introduction to the aesthetic aspects of visual arts. It includes fundamentals in composition, design, drawing, and color. Students will receive experience with a variety of mediums. The work will be done basically in a 2-dimensional format. Students will practice their speaking skills by presenting their works in class during a critique.

- - None (1 credit) All Year 9, 10, 11, 12
-

Art Metals I (5009) is an opportunity for students to work with copper, bronze, and nickel silver. Students will work mainly with flat sheets of metal and learn how to saw, file, form, polish, and torch solder. Copper enamel, beading, polymer clay and various jewelry completion techniques will also be part of this program. Optional: sterling silver and specialty stone will be available for purchase.

- - Art I (.5 credit) Fall Semester Fee: \$15.00 10, 11, 12
-

Art Metals II (5011) is an advanced course that builds upon concepts and techniques learned in Art Metals I. Course work will include an introduction to metal casting, flame work glass bead making and working with silver PMC clay. Optional: sterling silver and specialty stones will be available for purchase.

- - Jewelry I/Art Metals I (.5 credit) Fall Semester Fee: \$15.00 11, 12
-

Drawing I (5019) will be a full semester concentrated on drawing alone. The class will begin with basic drawing skills, building upon concepts learned in Art I. Students will experiment with a variety of drawing techniques. We will work in black and white drawings.

- - Art I (.5 credit) Fall Semester 10, 11, 12
-

Drawing II (5021) is an advanced drawing course that builds upon the concepts learned in Drawing I. This course will encourage students to develop individual style. The coursework will involve the use of various drawing mediums in both color and black and white.

- Drawing I (.5 credit) Fall Semester 11, 12
-

Painting I (5024) is an introductory painting class for students who desire to learn about painting technique. We will work with watercolor and acrylic paints.

- - Drawing I (.5 credit) Spring Semester 10, 11, 12
-

Painting II (5026) is an advanced painting course that builds upon the concepts learned in Painting I. Student work will move towards a more sophisticated and individualized level.

- - Painting I (.5 credit) Spring Semester 11, 12
-

Ceramics I (5030) students will learn various methods of hand building, using the slab and coil technique. Students will be introduced to the potter's wheel. They will glaze their ceramics and learn about the firing process.

- - Art I (.5 credit) Spring Semester 10, 11, 12
-

Ceramics II (5032) will be a strong emphasis on wheel thrown pots, combination wheel, and hand built pots. Considerable experimentation with glazes is expected in Ceramics II.

- - Ceramics I (.5 credit) Spring Semester 11, 12
-

Sculpture (5041) is based on creating three-dimensional form. Students will experiment with plaster, wood, found objects, wire, clay, and more. Students will be required to plan and problem-solve through each process. Students will also analyze and present their work to the class during a critique.

- - Art I (.5 credit) Fall Semester 10, 11, 12
-

Printmaking I (5044) students will be exposed to a variety of techniques involved in transferring images. Some of these techniques are: stamping, mono-printing, rubbing, and block printing. Students will gather a large body of work throughout the semester. They will assess their work and present it to the class for an open critique.

- - Art I (.5 credit) Spring Semester 10, 11, 12
-

Printmaking II (5046) students will re-visit and build upon their knowledge acquired in Printmaking I. The expectation is for them to work at and achieve a higher level of sophistication in concept and product. They will experiment and combine more than one printmaking technique to expand on the printmaking process. They will present their body of work to the class with careful assessment of their completed work.

- - Printmaking I (.5 credit) Spring Semester 11, 12
-

Fibers (5049) is a course that includes creating two and three-dimensional works of art incorporating the use of various fibrous media, handmade paper and jute, objects found in nature and found (junk) objects. It also explores basic stitchery.

- - Art I (.5 credit) Fall Semester 11, 12
-

Advanced Placement Studio Art (5051-52) is a full year of creating artwork and assembling a portfolio at a college level. Slides of the work will be submitted in May for consideration of college credit.

- - Art I, Drawing I, and one or two additional advanced art courses and teacher approval (1 credit) Both Semesters 12
-

Independent Study in Art (5059-60) is for the advanced art student who has demonstrated exceptional ability in other art courses. They must be self-motivated and disciplined to produce a body of work in a concentrated concept or medium. The student may be required to pay for additional supplies depending on the nature of the projects.

- - Art I, two additional advanced Art courses, and Consent of Instructor (.5 credit) Both Semesters 11, 1
-

Business Education

Personal Finance (6105-06) please see page 26.

Keyboarding (6005-06) is designed to teach the students to “touch type” while giving the student a working knowledge of the computer so that they will be able to type letters, reports and other business documents with accuracy and speed.

- - None (.5 credit) Both Semesters 9,10,11,12

Information Processing (6011-12) is designed to refine keyboarding skills using the computer. Students will increase speed and accuracy, while using Microsoft Word to produce business documents. Emphasis is placed on document enhancement using advance features.

- - Keyboarding or teacher recommendation. (.5 credit) Both Semesters 9,10,11,12

Introduction to Business (6015-16) will provide a basic understanding of business concepts and how they are important to our economic system. Topics that will be covered include an introduction to business, international business, economics, management, marketing, business and the consumer, finance, and business careers.

- - None (.5 credit) Both Semesters 9, 10, 11, 12

Business and Law (6022) is a one-semester course dealing with the study of the law and principles of business and their effect on the individual. The student will study contracts, business laws, corporations, proprietorships, partnerships and wills.

- - None (.5 credit) Spring Semesters 11,12

Accounting (6039-40) consists of instruction in keeping a set of books, including the theory of debits and credits, recording transactions, posting, financial reports, etc. Problems in petty cash, payroll, purchase, sales, notes, and interest are surveyed. Practice sets of bookkeeping forms are used.

- - None (1 credit) All Year 12

Consumer Education (6045) is designed to help students become more aware of how to handle everyday situations they will encounter as adult consumers. We will study the free-enterprise system, consumerism, insurance (auto, medical, life and renter’s), money management, banking, budgeting, credit and credits cards, and advertising. Outside speakers in these areas may be utilized.

- - None (.5 credit) Fall Semester 12

Employability Skills (6051-52) is designed to introduce you to the world of work. Choosing an occupation after high school is one of the biggest decisions you will make in your life. You will spend time considering a number of factors that should go into making this decision. You will also go through the process of getting a job, and spend time figuring out how to be successful once you get the job of your dreams.

Not open to students who have taken Vocational Skills.

- - None (.5 credit) Both Semesters 11,12

Computer Applications B (2209-10) will be an overview of computer concepts including hardware, software, information management, networks and societal issues. A review of word processing, spreadsheet, power point, and data base will be provided along with coverage of desktop publishing and the Internet. This class is faster paced and more in-depth than Computer Applications A.

Not open to students who have taken Computer Applications A

- - Recommendation of Middle School Teacher (.5 credit) Both Semesters 9

Computer Programming (2213-14) will familiarize students with the program development process. The QBASIC programming language will be taught. Topics covered include input, output, calculations, selection, looping and modular programming. Structured programming and good style are emphasized.

- - Geometry B & Computer Applications or equivalent (.5 credit) Both Semesters 10,11,12

-Advanced Computer Programming (2221-22) teaches students correct programming structure and style while exploring advanced programming concepts using C++. Topics covered include variables, constants and arithmetic operators, selection, iteration, functions, strings and libraries.

- - Computer Programming (.5 credit) Both Semesters 11,12

-Independent Study in Additional Advanced Programming Topics (2223-24) will review C++ or Java basics, (student/instructor decision) this course will cover functions with references parameters; functions vs members which include overload functions, default arguments, templates and recursion; text files and streams; switch and enum statements; arrays, pointers, and vector classes; and time permitting – searching and sorting.

- - Advanced Programming & Consent of Instructor (.5 credit) Both Semesters 11,12

Multi-Media & Web Design (2227-28) will teach proficiency in digital media. Software includes Flash, Photoshop, Dreamweaver, and Movie Maker. Students will create presentations using videos, animation, graphics and digital images. A significant portion of this class will involve web design. Students will incorporate features learned in Flash, Photoshop, and Dreamweaver to create websites.

- - Computer Applications (.5 credit) Both Semester 10,11,12

Advanced Multi-Media & Web Design (2229-30) will assimilate and adapt concepts from Multi-Media and Web Design. They will learn advanced topics in Flash, Photoshop, and Dreamweaver. The learning will be student directed with students developing project proposals for teacher approval in the areas which interest the student.

- - Multi-Media & Web Design (.5 credits) Both Semesters 11, 12

Drama

Drama Appreciation (0305) emphasizes the exploration of theatrical history and concepts, as well as drama’s influence on society throughout history. This survey is intended to cultivate an appreciation for drama as literature and theater. Therefore, students study classic plays throughout history as well as theatrical techniques in various units. Students are encouraged to take part in a fall production.

Credit for this course can be applied to either the English or Fine Arts requirement, but not both.

- - None (.5 credit) Fall Semester 10,11,12

Acting Fundamentals (0312) helps students develop/refine acting and interpretation skills through an on-going workshop approach. Students use vocal techniques and principles of interpretation/acting and apply those skills to various forms of literature throughout the duration of the class. Acting Fundamentals workshop students are encouraged to participate in forensics and other productions. Students may take this course for one semester or one year. Likewise, they may repeat the course in subsequent years because the work is individualized. **However, students may only receive Fine Arts credit once for 1/2 credit.**

- - None (.5 credit) Spring Semester 10,11,12

Driver Education

Driver Education (3075-76) is required in Wisconsin for any individual under the age eighteen. This requirement includes taking both the classroom and behind-the-wheel phase of driver education. Behind-the-wheel instruction consists of at least six individual lessons dealing with the basic skills of driving. The classroom deals with learning to drive and driving in different environments as well as subjects such as qualifying physically, attitudes and emotions, alcohol and drugs and buying and insuring a car.

If you were born on or before Feb. 29, 1995, take the fall semester of driver education. If you were born on or after March 1, 1995, take the spring semester of driver education. (These dates may be changed depending on the size of classes.)

*9th graders may take this class, **if** room is available, **if** they turn 15 **before** the first day of school 2010.

- - None (.5 credit) Both Semesters Fee: \$200.00 9, 10, 11, 12

English

English 9 (0005-06) is required for all freshmen. Students will study the main elements of the short story, the novel, the poetry, and drama. Mastery of the writing process will be emphasized: students will write a short story, literary essays, a research paper and other works. Students will also work to improve spelling and vocabulary.

➤ - None (1 credit) All Year 9

English 9 Honors (0007-08) can be taken in place of English 9 for those students who want an additional challenge in the language arts. Students will study the elements of a short story, the novel, non-fiction essays poetry, and drama. In addition, the class will include a study of speaking skills and emphasize both creative writing and writing about literature.

➤ - None (1 credit) All year 9

English 10 (0011-12) is required for all sophomores. Students will survey American Literature chronologically, from exploration to modern literature. Essays, short stories, novels and plays will be covered. The writing process, as well as thinking, speaking, listening and vocabulary skills, will be emphasized.

➤ - None (1 credit) All Year 10

English 10 Honors (0013-14) can be taken in place of English 10 for those students who want an additional challenge in language arts. Students will survey American Literature chronologically, from exploration to modern lit. Essays, poetry, short stories, and novels will be covered. The class will emphasize the writing process, especially literary analysis based on assigned readings.

➤ - None (1 credit) All Year 10

Oral Interpersonal Communication (0023-24) focuses upon developing speaking, verbal and nonverbal communications, and listening skills through individual presentations, group activities, and other projects.

➤ - Honors/English 9 & Honors/English 10 (.5 credit) Both Semesters 11, 12

Composition (0031-32) is a writing course designed to meet the needs of students who plan on attending technical school or who are going to enter the workforce. The students will be exposed to a variety of written assignments from paragraph development to full papers. The development of logical thought processes and an organized approach to problem solving is an integral part of this class. Grammar will be reviewed in response to student errors. The major goal of this course is to increase student ability to communicate clearly and enhance their capability to express their ideas creatively and effectively.

➤ - None (.5 credit) Both Semesters 11, 12

Honors Composition (0033-34) is a course designed to meet the needs of college bound students. Students in this course will have already developed promising written and analytical skills. In this course, the students will be exposed to a variety of written assignments from various essays to critical analysis of reading. Through such exposure, students will sharpen their awareness of literature, cognitive thought processes and a deeper understanding of the written word. Grammar will be reviewed in response to student errors. The major goal of this course is to further develop student ability to write clearly and enhance their capability to express and support their ideas precisely, creatively and effectively.

- - Honors English 9 and/or Honors English 10 or Consent of Instructor

(.5 credit)

Both Semesters

11, 12

Writing for Media (0037-38) is a communications class designed to cover the basics of news reporting with an emphasis on style and word usage. Students will learn to write lead paragraphs, techniques of writing transitions, the body of a news story, patterns of story organization, and newspaper style. Students writing skills will expand to cover feature stories, sport stores, and editorials, stressing accuracy, style, and deadlines. Written articles will be eligible for publication in the Bear Facts, the high school newspaper and for the possible production of a school newscast when appropriate.

Note -Some four year colleges will not accept this class as one of your four English credits.

Not open to students who have taken Media Applications or Writing for Publication.

- - None

(1 credit)

All Year

11,12

American Literature I (0041) is designed for the college-bound student. Focus is on the idea of the American hero, as depicted by writers including Eudora Welty, Theodore Dreiser, and James F. Cooper. Students are required to read extensively, learn disciplined writing, and develop skills in critical thinking.

- - None

(.5 credit)

Fall Semester

11, 12

American Literature II (0042) is designed for the college-bound student. Students will explore the writings of American romantics, including Ayn Rand, Hemingway, F. Scott Fitzgerald, and Toni Morrison. Students are required to read extensively, learn disciplined writing, and develop skills in critical thinking.

- - None

(.5 credit)

Spring Semester

11,12

Advanced Placement English - Literature and Composition (0045-46) is designed for the college-bound student with an above-average command of composition and reading skills. It focuses on the careful reading and mature analysis of a variety of literature and the study and application of the writing process to literature. Student growth will be evaluated primarily through the use of class discussion, individual and group oral presentations, and through written essays. Students who elect to take and pass the Advanced Placement exam have the opportunity to receive college credit.

Summer reading is assigned and required for success in this course. Please see the course instructor for the work before leaving for your summer break.

- - One or more of the following: American Literature I or II, British Literature I or II, Honors Composition or Science Fiction. Any of these classes passed with a grade lower than C for the semester will require consent of instructor.

(1 credit)

All Year

12

Mythology (0048) will concentrate on Greek and Roman myths and culture. Homer’s classic epic, The Iliad, will be read. Smaller units will deal with the mythology of other cultures, including Norse and German. American Indian mythology will be included if time permits. A unit on mythology and the sky is a standard, practical aspect of the course study. Reading will be the main source of learning in this course, but research papers and projects, as well as oral presentations of these reports will also be required. A course in mythology should enable students to recognize and understand references to mythological characters frequently found in literature, music, art, and advertising.

➤ - Consent of Instructor (.5 credit) Spring Semester 11,12

Science Fiction (0050) will be traced from its early beginnings in England to contemporary writings. The course is designed to be a study of the classics such as Orwell’s 1984 and Bradbury’s Fahrenheit 451. Various themes in a variety of short stories will also be explored. In addition, a number of creative science fiction writing projects will be required.

➤ - Consent of Instructor (.5 credit) Spring Semester 11,12

Written Communications (0051-52) teaches the writing process which includes pre-writing, drafting, and revising. Through writing assignments, students analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Classes, sessions and assignments involve giving oral presentations and using computers. This course may not be accepted by all four-year colleges and universities as a college-prep English course.

This course is articulated for Advanced Standing with FVTC for Written Communications. To be eligible for Advanced Standing at a WI Technical College, a student must earn a grade of B or better and enroll in a technical college diploma or degree program. Students must present appropriate documentation of the completion of the high school course which meets the conditions stated in the advanced standing agreement.

➤ - None (.5 credit) Both Semesters 11,12

English Survey 12 (0056-57) is a course based on various themes anchored by selected books and movies. All areas of English, including listening, speaking and writing will be covered. The ability to understand, manipulate, and judge ideas will be strengthened. Before selecting this class, students should determine which English class best meet their needs. This course may not be accepted by all four-year colleges and universities as a college-prep English course. Students may enroll in this class for the entire year or for either semester.

➤ - Consent of Instructor (.5 credit or 1 credit) Both Semesters 12

World Literature I (0061) students will read a wide variety of literature from around the world representing the history of human civilization from the most remote ancient cultures through present day. Class writing activities will also include some informal, personal narrative and creative writing to help clarify ideas and stimulate discussions about the readings. The writings will stem directly from the reading and provide students the opportunity to improve analytical, critical, and persuasive skills. The thematic units will be Individual, Family and Society, Loss of Innocence and Tolerance/Intolerance. One main objective is for students to learn information about history, the writers, their works and literary movements.

➤ - Honors/English 9 and Honors/English 10 (.5 credit) Fall Semester 11, 12

World Literature II (0062) students will read a wide variety of literature from around the world representing the history of human civilization from the most remote ancient cultures through present day. Class writing activities will also include some informal, personal narrative and creative writing to help clarify ideas and stimulate discussions about the readings. The writings will stem directly from the reading and provide students the opportunity to improve analytical, critical, and persuasive skills. The thematic units will be Metamorphoses, The Power of Love and Coping with Death. One main objective is for students to learn information about history, the writers, their works and literary movements.

- - Honors/English 9 and Honors/English 10
(.5 credit) Spring Semester 11, 12

Family Consumer Sciences

FCS Quest (7003-04) is an activity based course designed to provide students with an introduction to the Family & Consumer Science Pathways which are: Architecture & Design, Education & Training, Health Science, Hospitality & Tourism, and Human Services. Exposure to career possibilities in each area will allow students to successfully integrate their own interest into future concentrated studies. Participation in Family, Career and Community Leaders of America (FCCLA) activities will provide students with the opportunities for leadership development, personal growth, and school/community involvement.

- - None (.5 credit) Both Semesters 9, 10, 11, 12

Clothing Design (7011-12) allows students to investigate a conventional sewing machine and serger, clothing construction terms and techniques, historical perspectives and design and career opportunities in the apparel & textile industry. Students will then apply this knowledge by constructing a variety of samples and apparel/home fashion projects (1 individual, 1 recycled, and 1 group).

- - FCS Quest (.5 credit) Both Semesters 9, 10, 11, 12

Foods & Nutrition (7013-14) students will acquire basic knowledge and skills necessary to be confident in the kitchen. The areas of study will reflect safety and sanitation, meal planning, and the nutritional recommendations of the food pyramid. Food labs will include breakfast foods, cookies, cakes, pies, breads and soups. Demonstrations, experiments, and food preparation labs will enhance the learning process. Home cooking will be a requirement.

- - FCS Quest (.5 credit) Both Semesters 9, 10, 11, 12

Health Careers (7021-22) exposes students to a variety of health occupations in the support services, biotechnology and research development, information, diagnostic, and therapeutic health services career clusters. The course focuses on health careers exploration, healthcare systems, leadership, employability, and medical terminology. Speakers will be brought in from the community to share their work experiences in the health field. Students may experience health occupations firsthand as they job shadow a healthcare professional in a career that interests them. Students may qualify for transcribed credit at MPTC. Transcribed credit agreements mean that an actual technical college course, using college textbooks and materials, is being taught at Hortonville High School. You will earn high school credit and, if you meet the conditions of the agreement, will be awarded college credit at the same time. The college grade and credits will be recorded on both a HHS transcript and a technical college transcript.

➤ - None (.5 credit) Both semesters 10, 11, 12

Parents and Children (7026) answers the questions: Am I capable of being a good parent? Am I really interested in being a parent? How can I become a nurturing person? What effects could nurturing have on my life over time? Why do people parent the way they do? This course deals with the stages of development from the decision to parent through early childhood. Students have an opportunity to observe birth to age five. Also discussed are discipline, the importance of play and playthings, childcare, common childhood problems, and careers related to child development.

➤ - None (.5 credit) Spring Semester 11, 12

Early Childhood (7030) is an exploration and preparation course for students who have a potential career interest either in working with children within a childcare industry or in a professional or technical career. Possibilities include Day Care Worker, Elementary Teacher, Day Care Director, Head Start Director, or Child Psychologist. The curriculum includes learning centers, curriculum planning, teaching techniques, health, safety, nutrition, and creating developmentally appropriate activities. The Child Care industry is explored using lessons on staffing, licensing, room arrangements, safety, and center relations. A preschool simulation and off-campus observations will give students opportunities to investigate related careers. This course will benefit any student interested in working with children or being in everyday situations with young children. Students may qualify for transcribed credit at FVTC. Transcribed credit agreements mean that an actual technical college course, using college textbooks and materials, is being taught at Hortonville High School. You will earn high school credit and, if you meet the conditions of the agreement, will be awarded college credit at the same time. The college grade and credits will be recorded on both a HHS transcript and a technical college transcript. **This course is a two period block.**

➤ - Foundations of ECE (.5 credit) Spring Semester 11, 12

Foundations of Early Childhood Education (7033) is a Fox Valley Technical College class that introduces you to the early childhood profession. Course competencies include: integration of strategies that support diversity and anti-bias perspectives, investigation in the history of early childhood education, summarization of types of early childhood education settings, identification of the components of a quality early childhood education program, summarization of the responsibilities of early childhood education professionals and exploration of early childhood curriculum models. Students may qualify for transcribed credit at FVTC. Transcribed credit agreements mean that an actual technical college course, using college textbooks and materials, is being taught at Hortonville High School. You will earn high school credit and, if you meet the conditions of the agreement, will be awarded college credit at the same time. The college grade and credits will be recorded on both a HHS transcript and a technical college transcript.

➤ - None (.5 credit) Fall Semester 10, 11, 12

Housing and Interior Design (7038) students will learn about architectural styles, furniture arrangements, floor and wall coverings, and the principles and elements of design. Each student will develop design boards and a detailed floor plan using available technology and resources. A design tour field trip will be part of this course.

❖ - None (.5 credit) Spring Semester 10, 11, 12

LEADERS (Leadership, Education and Development in Equity, Respect and Socialization) (7051-52) is a unique opportunity to develop friendships between students with and without disabilities in a safe and nurturing environment. Students work with a partner to learn valuable life skills and participate in community outings. Regular education students will gain an awareness of individuals with special needs, experience working with special education students and career exploration in related fields. Regular education students will plan and conduct teaching units throughout the semester. Students in this program must complete an application process.

➤ - Application Process (.5 credit) Both Semesters 11, 12

Linking Generations (7055-56) offers students the opportunity to learn about the adolescent and senior population, practice human service skills, and create a more compassionate and caring community and society. Part of the curriculum will highlight how we understand the process of aging, communicate with others, and develop intergenerational relationships in our lives.

➤ - None (.5 credit) Both Semesters 10, 11, 12

Health

Health (3081-82) is a one-semester course required for all sophomores. Enroll in health the semester you do not enroll in physical education. Topics covered in health include: mental health, stress management, drug/alcohol education, nutritional awareness, chronic, infectious and sexually transmitted diseases; safety topics, human growth and development and lifelong health.

➤ - None (.5 credit) Both Semesters 10

Mathematics**Optional calculator rental fee - \$10-\$15**

Applied Algebra A (2005) is the first semester course in a two year (four semesters) sequence in the study of introductory algebra. The topics include: variables; order of operation; real number properties; integers; rational numbers; equations and formulas; and solving linear equations. Statistics integration topics include: stem-and-leaf plots and measures of central tendency.

➤ - Consent of Middle School Instructor (.5 credit) Fall Semester 9, 10

Applied Algebra B (2006) is the second semester course in a two year (four semesters) sequence in the study of introductory algebra. The topics include: ratio and proportion; percents; direct and inverse variation; graphing relations and functions; slope, writing and graphing linear equations; solving linear inequalities; and graphing linear inequalities in two variables. Statistics integration topics include: probability and odds; measures of variation; scatter plots and best fit lines; and box-and-whisker plots. Geometry integrations topics include; similar triangles; trigonometric ratios; parallel and perpendicular lines; and the midpoint formula.

➤ - Applied Algebra A (.5 credit) Spring Semester 9, 10

Applied Algebra C (2007) is the third semester course in a two year (four semesters) sequence in the study of introductory algebra. The topics include: solving systems of equations; polynomials; scientific notation; greatest common factors; factoring via distributive property; and factoring polynomials.

➤ - Applied Algebra B or Algebra A & Consent of Instructor (.5 credit) Fall Semester 10, 11

Applied Algebra D (2008) is the fourth semester course in a two year (four semesters) sequence in the study of introductory algebra. The topics include: graphing quadratic equations; solving quadratic equations by factoring, graphing, and the quadratic formula; solving rational equations; and solving radical equations. Geometry integration topics include: the Pythagorean Theorem and the Distance Formula.

➤ - Applied Algebra C (.5 credit) Spring Semester 10, 11

Algebra A (2013) is the language in which all higher mathematics is written. This is the first semester of a two-semester course in the study of algebra. This course studies algebraic symbols and expressions, solving mathematical problems by the use of variables and the rules that govern our number system and the structure of algebra.

➤ - Consent of Middle School Instructor (.5 credit) Fall Semester 9, 10, 11, 12

Algebra B (2014) is the second semester of a two-semester course in the study of algebra. This course continues the development of the topics in Algebra A as well as studying linear functions, graphing, and systems of equations and radical expressions.

➤ - Algebra A (.5 credit) Spring Semester 9, 10, 11, 12

Applied Geometry A (2023) focuses on the language of geometry, construction of Euclidean figures, and the properties of lines, angles and triangles. Emphasis will be placed on the practical application of geometry.

➤ - Applied Algebra D or Algebra B & Consent of Instructor (.5 credit) Fall Semester 10, 11, 12

Applied Geometry B (2024) focuses on the practical application of geometry. Students will discover the basic properties of geometry, including geometric constructions, with an emphasis on problem solving in area, volume, the Pythagorean Theorem, and similarity.

- - Applied Geometry A or Geometry A & Consent of Instructor (.5 credit) Spring Semester 10, 11, 12
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Geometry A (2031) is a course designed to teach students to think in a logical manner. This is the first semester of a two-semester course in the study of Geometry. This course studies the topics of points, lines, planes, angles, triangles, polygons, congruence, reflections, and transformations.

- - Algebra B or Applied Algebra D or Consent of Instructor (.5 credit) Fall Semester 9, 10, 11, 12
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Geometry B (2032) is the second semester of a two-semester course in the study of geometry. This course continues the development of logical thinking, dealing with the topics of measurement, three-dimensional figures, area, volume, coordinate geometry, similarity, indirect reasoning, and circles.

- - Geometry A (.5 credit) Spring Semester 9, 10, 11, 12
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Honors Geometry A (2033) is a fast-paced course designed to teach students the elements of geometry and to think in a logical manner. This is the first semester of a two semester course in the study of geometry. This course is designed to teach logical thinking dealing with the topics: points, lines, plane, angles, triangles, polygons, circles, congruence, reflections and transformations.

- - Algebra B & Consent of Instructor (.5 credit) Fall Semester 9, 10
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Honors Geometry B (2034) is the second semester of a fast-paced two semester course designed to teach students the elements of geometry and to think in a logical manner. This course continues the development of thinking, dealing with topics of solid figures, area, volume, coordinate geometry, similarity, indirect reasoning, triangle trigonometry, and geometric proofs.

- - Honors Geometry A (.5 credit) Spring Semester 9, 10
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Advanced Algebra A (2041) is the first semester of a two-semester course that emphasizes facility with algebraic expressions and forms, especially linear forms. Students study functions for their abstract properties as well as modeling real life situations.

- - Geometry B or Applied Geometry B & Consent of Instructor OR Honors Geometry B and Consent of Instructor (.5 credit) Fall Semester 10, 11, 12
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Advanced Algebra B (2042) is a continuation of Advanced Algebra A. Students will study power and roots, quadratic, logarithmic, and exponential trigonometric and polynomial functions. These functions will be studied for their abstract properties and their use for modeling real-world situations.

- - Advanced Algebra A or Honors Advanced Algebra A & Consent of Instructor (.5 credit) Spring Semester 10, 11, 12
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Honors Advanced Algebra A (2043) is the first semester of a two-semester course. This course is designed for those students who are interested in a math career. This course will emphasize facility with algebraic expressions and forms, especially linear and quadratic forms. Students will study functions for their abstract properties as well as modeling real-world situations. The pace of this course will be faster than Advanced Algebra A and will study the topics in more detail.

- - Honors Geometry B or Geometry B & Consent of Instructor (.5 credit) Fall Semester 10, 11, 12
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Honors Advanced Algebra B (2044) is a continuation of Honors Advanced Algebra A. Students will study power and roots, quadratic, logarithmic, exponential, trigonometric and polynomial functions. The functions will be studied for their properties and their use for modeling real-world situations.

➤ - Honors Advanced Algebra A (.5 credit) Spring Semester 10, 11, 12

Functions (2049) is a one semester course in mathematical relations and functions. Topics include: linear relations and functions, quadratic functions, composition of functions, piecewise functions, system of linear equations and in-equalities, polynomial and rational functions. Properties of the graphs including symmetry, families of graphs, nonlinear inequalities, continuity and end behavior, discontinuities, critical points and extrema. Modeling data with functions and matrices are included.

➤ - Advanced Algebra B or Honors Advanced Algebra B & Consent of Instructor (.5 credit) Fall Semester 10, 11, 12

Trigonometry (2052) is a semester long course on trigonometry and its applications. Topics covered include right triangle trigonometry, trigonometric functions, the unit circle, graphs of trigonometric functions, inverse trigonometric functions, trigonometric identities, trigonometric equations and vector and trigonometry. Taking this class, followed by the one semester precalculus class, will enable a student to take calculus the following year.

➤ - Functions (.5 credit) Spring Semester 10, 11, 12

Honors Trigonometry (2054) is a semester long course on trigonometry and its applications. Topics covered include right triangle trigonometry, trigonometric functions, the unit circle, graphs of trigonometric functions, inverse trigonometric functions trigonometric identities, trigonometric equations and vector and trigonometry. Taking this class, followed by the one semester pre-calculus class, will enable a student to take calculus the following year.

➤ - Honors Advanced Algebra B or Advanced Algebra B & Consent of Instructor (.5 credit) Fall Semester 10, 11, 12

Pre-Calculus (2061) is a one semester course in advanced functions and discrete mathematics with an introduction to Calculus. Topics include: Exponential and logarithmic functions with data modeling, arithmetic and geometric sequences and series, combinations and permutations, derivatives and anti-derivatives.

➤ - Trigonometry (.5 credit) Fall Semester 11, 12

Honors Pre-Calculus (2062) is a fast-paced, intensive one-semester course in Pre-Calculus topics. Topics covered will include advanced linear, quadratic, polynomial, rational, exponential, and logarithmic functions; systems of equations; coordinate geometry; the binomial theorem; sequences and series; mathematical induction; limits and continuity; and polar coordinates.

➤ - Honors Trigonometry (.5 credit) Spring Semester 11, 12

Statistics and Probability (2065) is one semester class covering topics in statistics and probability. Students will collect, display, analyze and interpret data using statistical measurements. Students will calculate measures of central tendency, spread, distributions, and regression equations. Students will calculate basic probability, permutations and combinations from a sample space.

- Advanced Algebra B or Honors Advanced Algebra B (.5 credit) Fall Semester 11, 12

Analytic Geometry (2066) approaches geometry algebraically. It includes the study and application of coordinate systems in two and three dimensions, vectors in two dimensions, and the conic sections. Emphasis is placed on problem solving skills and visual perceptions.

- - Pre-Calculus or Honors Pre-Calculus (.5 credit) Spring Semester 11, 12

Business Calculus A (2073) is the first semester class in a year course in high school calculus. This class provides a complete review of basic functions with applications in business, economics, and the social and behavioral sciences. Basic functions include: linear, quadratic, power, rational, radical, exponential, logarithmic, and logistics functions. Business Calculus makes heavy use of the regression capabilities of the graphics calculator providing a data modeling flavor to the course. Calculus topics include: limits; the derivative; concavity and non-differentiability; composite functions and the chain rule; differentiation rules of the basic functions; implicit differentiation and related rates; linear approximation; marginal analysis; measuring rates and errors; and the elasticity of demand. This course does not include the calculus of trigonometric functions.

- - Pre-Calculus or Honors Pre-Calculus & Consent of Instructor (.5 credit) Fall Semester 12

Business Calculus B (2074) is the second semester class in a year course in high school calculus. It is a continuation of Business Calculus A. The class makes heavy use of the regression capabilities of the graphics calculator providing a data modeling flavor to the course. Calculus topics include: derivatives and graphs; optimization of functions; the indefinite integral; area and the definite integral; the Fundamental Theorem of Calculus; integrations by u-substitution; First order differential equations; separation of variable and growth and decay; area between two curves; integration by parts; numerical integration; and improper integrals. This course does not include the calculus of trigonometric functions.

- - Business Calculus B (.5 credit) Spring Semester 12

AP Calculus A B (2081-82) covers the basic topics of a beginning calculus course including limits and continuity, derivative and differentiation, the definite integral and integration, and the applications of derivatives and integrals. Students who elect to take and pass the Advanced Placement exam have the opportunity to receive college credits.

- - Honors Pre-calculus or Pre-Calculus & Consent of Instructor (1 credit) All Year 12

Math for the Trades (2095) covers practical applications of whole numbers, fractions, percents and proportions to the various trade areas. There also are units on the metric system, conversions, practical geometry, and applications of measurement, signed numbers and formula equations. Extra units on micrometers, solving equations, and measurement with the standard rule are included for specific program students. Use of a scientific calculator is introduced as needed. Students who have successfully completed Advanced Algebra are not eligible for this course without consent of the Mathematics department.

- - Geometry B or Applied Geometry B (.5 credit) Fall Semester 12

Personal Math (2096) will focus on topics of everyday living such as: interest, banking, borrowing, investments, payroll, budgeting, insurance, housing, and taxes with an emphasis on the mathematics behind them.

Students who received a grade of C or better in Advanced Algebra B are not eligible for this course.

- - None (.5 credit) Spring Semester 12

Music

Freshman Band (5105-06) students will need to show a basic understanding of one standard band instrument. Students will learn a large variety of musical styles such as pop, rock, classical, and jazz. Students will be expected to participate in daily rehearsals and perform in all scheduled concerts and required performances. Other parts of the course include a yearly band clinic and a minimum of five individual lessons per quarter. Curriculum content includes: street and field marching techniques, basic “band-key” scales, chorale books, rhythm studies, various types of concert music, festival music used for solos, small ensembles, and instrumental choirs. Required performances include: all home football games and half-time shows, homecoming, and Memorial Day parades, Christmas concert, winter and pops concert, and graduation.

➤ - None (1 credit) All Year Fee – \$45.00 9

Concert Band (5111-12) is designed primarily to prepare students for eligibility in the Wind Ensemble by providing them with suitable, satisfying musical experiences. These fundamental skills in performance are incorporated and developed: tone, intonation, ear training, phrasing, expression, posture, and other related skills necessary for good musicianship. Curriculum content includes: street and field marching techniques, basic “band-key” scales, chorale books, rhythm studies, various types of concert music, festival music used for solos, small ensembles, and instrumental choirs. Required performances include: all home football games and half-time shows, homecoming, and Memorial Day parades, Christmas concert, winter and pops concert, and graduation. Other parts of the course include a yearly band clinic and a minimum of five individual lessons per quarter.

➤ - One year of playing experience and Consent of Instructor (1 credit) All Year Fee - \$45.00 10, 11, 12

Wind Ensemble (5119-20) is a band designed for students ready to perform advanced level music. Students are admitted by audition only. Members should expect to learn a wide variety of musical styles and be prepared to expand their understanding of their instrument and the musical ensemble. Curriculum content includes: advanced street and field marching techniques, advanced keys, scales, rhythms, dynamics, and articulations through increasing challenging music. Typically there are a maximum of two students per part with everyone providing a vital role in the concert group. Students quickly develop a keen understanding of how their part directly relates to others around them. Students perform for all scheduled half-time shows, parades, pep band, one concert per quarter, local/away festivals, and yearly scheduled trips. Students from this group may also be selected to participate in the musical pit orchestra, German band, and various community events. Students are highly encouraged to participate in solo/ensemble and required to attend a minimum of 5 lessons per quarter.

➤ - Audition and/or Consent of Instructor (1 credit) All Year Fee - \$45.00 10, 11, 12

Freshmen Choir (5201-02) concentrates on learning basic choral singing techniques, especially those relating to changing and changed voices. A wide variety of music will be sung in 2, 3, and 4 parts which may include Baroque, Renaissance, Classical, Romantic, Modern, folk music and popular styles. Class work consists of basic theory, history, sight-reading, and proper vocal techniques. Small group lessons and concert and classroom performances are required. Field trips and solo/ensemble opportunities are available.

➤ - None (.5 or 1 credit) Both Semesters or All Year 9

Women’s Choir (5207-08) is for Soprano and alto range voices who have demonstrated excellent singing and music reading skills. Music will be selected from Baroque, Renaissance, classical and modern periods as well as international selections, vocal jazz and pop music .Class work will include music history, theory, sight-reading, and proper singing techniques. Small group lessons and concert performances are required. Performance at the madrigal dinner is also required for this group. Treble Choir festival at UW Whitewater is often a required performance fieldtrip. Other field trips, travel and solo/ensemble opportunities are available.

- - Audition or consent of the instructor (1 credit) All Year 10, 11, 12

Concert Choir (5211-12) concentrates on learning more advanced choral singing skills through the use of a variety of 4 part music. Class work consists of music theory, history, sight singing and proper vocal techniques, which relates to the selections being studied. In addition to in-class preparations, individual lessons and concert performances are required. Field trips, travel, and solo/ensemble opportunities are available.

- - None (1 credit) All Year 10, 11, 12

Treble Choir (5221-22) is a group that will sing music in two and three part harmony in soprano and alto range. Emphasis will be on learning basic and intermediate choral singing skills, intermediate music theory, history, and sight-reading. Lessons, concert, and classroom performances are required. Field trips and solo-ensemble opportunities are available.

Note: Treble Choir will only be offered if Concert Choir exceeds the limit of 55 students.

- - None (.5 or 1 credit) Both Semesters or All Year 10,11, 12

Honors Choir (5231-32) is for advanced choir students who have demonstrated exceptional singing and music reading skills. Music will be chosen from Baroque, Renaissance, classical and modern periods as well as international selections and pop styles. Class work will include music history, theory, sight reading and singing techniques. Individual or small group lessons and concert and classroom performances are required. Performance at the Madrigal dinner is required. Other performances may be added as requirements during the year such as the Annual Choral Festival at the Appleton Performing Arts Center, choir clinics and festivals and visiting clinicians. Field trips and solo/ensemble opportunities are available.

- - Audition or Consent of Instructor (1 credit) All Year 10, 11, 12

Personal Finance

Personal Financial Management (6105-06) prepares students for their financial future. Topics include developing an understanding of financial planning, budgeting, personal banking, credit, income taxes, investing, retirement, and insurance. Students may not enroll in this class if they have successfully completed Dollars & Sense, Independent Living, or Personal Math. **This is a required course starting with the Class of 2013.**

- - None (.5 credit) Both Semesters 11, 12

Physical Education

State Law mandates that one and one half credits of Physical Education needed to meet the graduation requirements must be taken in three different years. Students may take Physical Education all four years to benefit from the physical activity.

Physical Education I (3005-06) emphasizes on developing and improving fundamental individual skills, game skills, rules, and game techniques in team sports and individual activities. Skills, safety, courtesy, rules and strategies will also be taught. Included are the following activities: aerobics, flag football, conditioning, volleyball, soccer, basketball, speedball, softball, fitness testing, floor hockey, pickle ball, badminton and field hockey. Socks and tennis shoes are required. Shorts and shirt are purchased from the school. Locks are provided.

➤ - None	(.5 credit)	Both Semesters		9
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Physical Education II (3011-12) continues the development of skills practiced in Physical Education I. Safety, courtesy, rules, and strategy will also be taught. Activities include aerobics, flag football, conditioning, volleyball, soccer, basketball, speedball, softball, fitness testing, floor hockey. Socks and tennis shoes are required. Shorts and shirt are purchased from the school. Locks are provided.

➤ - Physical Education I	(.5 credit)	Both Semesters		10
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Active Team Sports (3019-20) emphasizes offensive and defensive strategies with a review on skills in each unit. Advanced skills and highly competitive game play will make up a large portion of each unit. The activities include flag football, volleyball, soccer, basketball, floor hockey, pickle ball, softball, speedball, conditioning, and badminton.

➤ - Physical Education I & II	(.5 credit)	Both Semesters		11, 12
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Lifetime Sports I (3023-24) is designed for students who will enjoy learning and playing badminton, pickle ball, golf, Frisbee, softball, bowling, volleyball, curling, tennis, self-defense, angling, cross country skiing, snow shoeing, hiking, lawn games and CPR. An approximate \$40 fee will be paid at the beginning of the semester.

➤ -Physical Education I & II	(.5 credit)	Both Semesters	Fee: \$40.00	11, 12
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Lifetime Sports II (3027-28) will focus on intermediate and advanced skills and strategies for a variety of activities that include archery, backpacking, biking, bowling, dance, golf, lawn games, personal defense, snow shoeing, tennis, and team challenges. An approximate fee will be paid at the beginning of the semester.

➤ - Lifetime Sports I	(.5 credit)	Spring Semester	Fee: \$40.00	12
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Weight Training Fitness (3033-34) is designed for the student who wants to increase his or her strength and flexibility through the use of weights and aerobic exercise. Both upper and lower body exercises will be stressed.

➤ - Physical Education I & II	(.5 credit)	Both Semesters		11, 12
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Aerobics I (3041-42) is designed for those students who want to begin or maintain a fitness program through aerobic exercise. Emphasis will be on activities such as exercises, rope jumping, walking, bicycling, video tapes, weight training, step aerobics, and skiing.

- - Physical Education I & II (.5 credit) Both Semesters 11, 12

Aerobics II (3043-44) is an advanced course in aerobics. Not only will students exercise, but they will assess their own fitness tests results and nutritional intake and develop a program to help strengthen their individual needs and diet.

- - Aerobics I (.5 credit) Both Semesters 11, 12

Body Conditioning (3047-48) is designed for the student who wants to increase his/her total body condition. This course will help improve a person's speed, foot quickness, reactions, flexibility, jumping ability, strength and explosive power through the use of plyometrics, medicine balls, speed training, quickness and reaction drills, weights and stretching

- - Physical Education I & II (.5 credit) Both Semesters 11, 12

School Supervised Work Experience

School Supervised Work Experience (9207-08) is to provide students with an opportunity to develop positive attitudes, knowledge, skills and linkages that will empower the successful transition from HHS to post secondary options. Curriculum study units will include: assessment, transition, Covey's 7 Habits of the Highly Effective People, core abilities, job writing, college survival, etc. The course is a work/learn program, which requires positive class attendance and commitment to the student's work site. College Survival Skills is taught during the second semester of the SSWE curriculum. This course is articulated for Advanced Standing with FVTC for Business Career Development and College Survival Skills. To be eligible for Advanced Standing at a WI Technical College, a student must earn a grade of B or better and enroll in a technical college diploma or degree program. Students must present appropriate documentation of the completion of the high school course which meets the conditions stated in the advanced standing agreement.

- - Employed by start of semester (.5 credit\1 credit) Both Semesters or All Year 12

Science

Integrated Science (4005-06) is required for all freshmen unless recommended for Honors Biology. This course is designed to give freshmen an introduction to Earth Science, Chemistry and Physics. Students in this course will be exposed to many of the Wisconsin model academic standards in Earth and Physical Science. This course also incorporates the application of basic math skills.

➤ - None (1 Credit) All Year 9

Earth Science (4009-10) will be a study of the earth including the following topics: astronomy, geology, oceanography, volcanism, glaciation, mountain building, earthquakes, erosion, and man's impact on his environment. This course will also take an introductory look at physics, chemistry, and ecology.

➤ - None (1 credit) All Year 11, 12

Biology (4011-12) explores the fundamental characteristics of living matter from the molecular level to the ecological community with the continual emphasis being placed on the unifying themes of biology (cellular structure, reproduction, metabolism, homeostasis, heredity, evolution, and interdependence).

➤ - None (1 credit) All Year 10

Honors Biology (4015-16) is based on structure and function of life. Honors Biology uses the molecular approach to study cells, obtaining and using energy, cell reproduction and genetics, evolution theories, and the interdependence of living things and the environment.

➤ - Consent of Instructor based on Middle School Science or Integrated Science and/or overall 3.0 G.P.A. (1 credit) All Year 9, 10

AP Biology (4017-18) is designed to be the equivalent of a two semester college introductory biology course usually taken by biology majors during their first year. AP Biology will include topics such as cell structure and function, genetics and evolution, plant and animal biology and ecology. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Students who elect to take and pass the Advanced Placement exam have the opportunity to receive college credits.

➤ - Honors/Biology or Honors/Chemistry (1 credit) All Year 11, 12

Human Anatomy & Physiology (4023-24) is a course that studies a detailed structure and function of major systems of the human body. It also studies the coordination of those systems in the functioning of the whole human. This course is recommended for students interested in biology or health related careers.

➤ - Strongly recommended students receive a C or better in Biology (1 credit) All Year 10, 11, 12

Zoology (4040) is the study of the Animal Kingdom. This course will survey the invertebrate and vertebrate animals. Emphasis on dissection will show the increasing complexity of systems in various representative animal groups. Students will also apply the economic importance of animal biology to man. The course is recommended for students interested in biology, health-related careers, and environmental studies.

➤ - Biology (.5 credit) Spring Semester 11, 12

Plant Biology (4045) is the study of the Plant Kingdom. This course will survey green plants from simple to complex. Students will study the structure and functions of the flowering plants and factors affecting their growth. They will also study plant biology as it applies to agriculture and forestry. The course is recommended for students with interests in biology, horticulture, and environmental studies.

- - Biology & Consent of Instructor (.5 credit) Fall Semester 11, 12
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Chemistry (4051-52) will focus on the study of matter, its composition and changes in the composition. This course's five goals are to help students: develop an understanding of chemistry, cultivate problem-solving and critical-thinking skills related to chemistry, apply chemistry knowledge to decision-making about scientific and technological issues, recognize the importance of chemistry in daily life, and understand the benefits and limitations of science and technology.

- - Strongly recommended students receive a C or better in Honors/Biology or Physical Science and Algebra or Applied Algebra (1 credit) All Year 10, 11, 12
-

Honors Chemistry (4053-54) will cover topics of atomic structure, chemical formulas, states of matter, solutions, chemical reactions, and an introduction to organic chemistry. Many of these topics are covered through the use of laboratory experiments as well as the textbook. Students who plan on taking science courses in post-secondary institutions with the goal of working in the health or science field should take this course.

- - Consent of Instructor (1 credit) All Year 10, 11, 12
-

Advanced Placement Chemistry (4055-56) is designed to be taken after successful completion of high school Chemistry. Topics such as the structure of matter, kinetic theory of gases, chemical equilibrium, chemical kinetics and the basic concepts of thermodynamics are presented in considerable depth. Students who elect to take and pass the Advanced Placement exam have the opportunity to receive college credits.

- - Honors/Chemistry with B or better or Consent of Instructor (1 credit) All Year 11, 12
-

Organic Chemistry (4057-58) is designed for the college-bound or technical school-bound student in any field of science. It is a continuation of topics covered in first year chemistry. Some additional topics will include analytical chemistry (stressing laboratory work) and organic chemistry.

- - Chemistry (.5 credit) Both Semesters 11, 12
-

Physical Science (4061-62) is a basic chemistry and physics class and how it relates to our everyday lives and industry. Students will need to be able to handle basic mathematics for the physics sections. Emphasis will be on chemistry and physics, but other subjects such as electricity and nuclear chemistry and nanotechnology will be covered.

Not open to students who successfully completed Chemistry, Honors Chemistry, or Physics.

- - Consent of Instructor (1 credit) All Year 10, 11, 12
-

Meteorology (4072-73) is for students who have an interest in meteorology and who would like to develop skill sin forecasting weather changes. Topics will include such things as: the structure of weather systems; the composition of Earth's atmosphere; air masses and the development of severe storms; the variations of precipitation, clouds and humidity; and different forecasting techniques. Projects will involve conducting investigations, collecting and analyzing data, and presenting results. Opportunities will be sought to link with local and regional weather stations.

It is strongly recommended that the student have a "C" or better in previous science class.

- - Integrated Science & Consent of Instructor (.5 credit) Both Semesters 11, 12
-

Conservation (4081-82) is designed to help students understand the concept of “wise use” of natural resources. The course covers a wide range of topics especially dealing with Wisconsin outdoors. Subjects are covered in phenologic order.

Any students who receive a C or better in Biology or Honors Biology cannot use Conservation to meet their junior science requirement.

- - None (1 credit) All Year 11, 12

Taxidermy I (4085-86) is designed to provide students with the basics of the art of taxidermy. Each student is required to bring in a fish, bird, and a small mammal to work on. Students are also required to complete an outside project.

This course is an elective and does not satisfy any part of the Science graduation requirements.

- - Consent of Instructor (.5 credit) Fall Semester Fee: \$30.00 11, 12

Taxidermy II (4088) is designed to provide students with advanced techniques for the art of taxidermy. Students will be using technologies to research and develop their projects and occupations. Students will need to be creative and innovative in their projects.

- -Biology, Taxidermy & Consent of Instructor (.5 credit) Spring Semester 11, 12

Environmental Science (4091-92) is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternate solutions for resolving and/or preventing them.

Not open to students who have taken Conservation.

- - Consent of Instructor (1 credit) All Year 11, 12

Physics (4103-04) course is designed to understand the principles of motion, mechanics, electricity, and optics. The use of laboratory experiments and problem solving techniques gain the understanding of these principles.

- - Trigonometry or Algebra & Consent of Instructor (1 credit) All Year 11, 12

Advanced Placement Physics (4105-06) is a college level course designed to give the student an understanding of physical theory and principles. The subject matter includes the interaction of matter and energy, fluid mechanics, thermal physics, electricity, magnetism, and nuclear and atomic physics. It is designed for the student who intends to select a career in science, engineering, or the applied sciences. Students who elect to take and pass the Advanced Placement exam have the opportunity to received college credits.

- - Physics (1 credit) All Year 12

Aquatic Ecology (4111-12) is a hands-on, project-based investigation of the Black Otter Watershed. It is designed to improve problem solving processes of high school students by integrating classroom discussion with field and laboratory experiences. Students apply acquired knowledge and technological skills to a community service project. The course will help students present and defend their thoughts in a logical, scientific manner.

- - C- or better average in Honors/Biology (.5 credit) Both Semesters 11, 12

Independent Study/Science (4121-22) would require a student to complete a comprehensive project and present it to an audience appropriate for the research and level of instruction. The student may assist the supervising teacher by being an integral part of laboratory preparation and tear down. Students who take this course would participate in and complete trial runs to ensure viability and results on new labs. Projects that affect community members would be presented to town councils, or boards, projects that affect future teaching methods or classes would be presented to the school board or the appropriate grade level classes.

Student must have a strong science background and must have teacher’s permission before taking the credit. The class must have labs during the semester.

- - None (.5 credit) Both Semesters 9, 10, 11, 12

Social Sciences

Social Studies 9 - Government (1001-02) is a graduation requirement. All 9th graders must take 1 semester of Social Studies 9-Government and 1 semester of Social Studies 9-Geography. This “government” semester will consist of U.S. Constitutional History to 1800. Topics important to being a citizen in a democratic society will be included in participatory lessons and activities.

- - None (.5 credit) Both Semesters 9

Social Studies 9 - Geography (1005-06) addresses the physical and cultural patterns of Europe and the Western Hemisphere. The course will cover basic map skills, historical background, physical features, and political organizations, and the area’s involvement in current issues.

- - None (.5 credit) Both Semesters 9

U.S. History (1009-10) is required for all 10th graders. The course will cover the period of U.S. History from 1800 to the present. Units of study include Jacksonian Democracy, Manifest Destiny, the Civil War, Reconstruction, Industrial Revolution, Westward Expansion, Imperialism, the Progressive Movement, WWI and its aftermath, the 1920’s, the Depression, WWII and its aftermath to current history. The study of basic economic concepts and current significant events will be covered.

- - None (1 credit) All Year 10

Advanced Placement United States History (1011-12) is a college level course that will prepare students with the analytical skills and knowledge necessary to deal with problems in U S History. Opportunities will be offered to prepare for the Advanced Placement United States History test. Students who elect to take and pass the AP exam have the opportunity to receive college credits.

- - U.S. History (1 credit) All Year 11, 12

World History I (1017) is offered every other year alternating with World History II. This course is the study of the history of mankind from recorded history (5000 BC) to the completion of the Middle Ages (1500 AD). The major areas of emphasis will be Egypt, Fertile Crescent, Greece, Rome and Europe during the Middle Ages, plus their cultural, political and economic accomplishment.

Offered in the 2010-2011 school year.

- - None (.5 credit) Fall Semester 10, 11, 12

World History II (1019) is offered every other year alternating with World History I. This course is the study of the history of man from the Renaissance to the present. Basic attention will be on their development of strong national status, for example -Europe. It will survey their political, intellectual, and economic accomplishments during this period.

Not offered in the 2010-2011 school year.

- - Junior or senior status (.5 credit) Spring Semester 10, 11, 12

Social Problems A (1021) is a class that combines elements of various social studies disciplines to help high school students study and evaluate current problems of society including causes, definitions, and solutions. This is a class that continues to evolve as society changes and new issues emerge. Issues studied in Social Problems A include Environment, Poverty, Populations, Crime, and War. Students will study these issues using textbooks, outside readings, newspapers, videos, guest speakers, class discussions, debates, simulations, and written essays.

Students enrolling in Social Problems A or B should not enroll in or have been enrolled in Sociology.

- - Social Studies 9 & U.S. History (.5 credit) Fall Semester 11, 12

Social Problems B (1022) is a class that combines elements of various social studies disciplines to help high school students study and evaluate current problems of society including causes, definitions, and solutions. This is a class that continues to evolve as society changes and new issues emerge. Issues studied in Social Problems B include problems of racism and ethnic issues, drugs and society, gender issues, family and divorce issues and its impact on society and current events and current controversies in the world. Students will study these issues using textbooks, outside readings, newspapers, videos, guest speakers, class discussions, debates, simulations, and written essays.

Students enrolling in Social Problems A or B should not enroll in or have been enrolled in Sociology.

- -Social Studies 9 & U.S. History (.5 credit) Spring Semester 11, 12

Sociology I (1025-26) is the study of interactions between humans in a particular setting. The course will examine culture, society and socialization through several theoretical frameworks. Special emphasis will be given to a discussion of current social problems. Students enrolling in Sociology I and Sociology II should not enroll or have been enrolled in Social Problems A or B.

- -None (.5 credit) Both Semesters 11, 12

Sociology II (1028) is a continuation of the foundation established in Sociology I. Sociology II studies stratification in society while examining various social institutions. Special emphasis will be given to a discussion of current social problems.

This course, along with completion of Sociology I, is articulated for Advanced Standing with FVTC for Introduction to Sociology. To be eligible for Advanced Standing at a WI Technical College, a student must earn a grade of B or better and enroll in a technical college diploma or degree program. Students must present appropriate documentation of the completion of the high school course which meets the conditions stated in the advanced standing agreement.

Students enrolling in Sociology I or Sociology II should not enroll or have been enrolled in Social Problems A or B.

- -Sociology I (.5 credit) Spring Semester 11, 12

Cultural Geography A (1031) is a study of cultural and physical diversities within world cultures. The topography of the country will be addressed as well as the cultural, historical, political, religious, economic, and current problems of each country. Countries studied: The Middle East, Africa, Southeast Asia, and Latin America. This course does not have to be taken in sequence with Cultural Geography B.

➤ - None (.5 credit) Fall Semester 11, 12

Cultural Geography B (1032) is a study of cultural and physical diversities within world cultures. The topography of the country will be addressed as well as the cultural, historical, political, religious, economic, and current problems of each country. Countries studied: India, China, Japan, and those formerly known as the Soviet Union. This course does not have to be taken in sequence with Cultural Geography A.

➤ - None (.5 credit) Spring Semester 11, 12

Psychology I (1035-36) is a general survey of the field of psychology with units in the areas of history, foundations, and techniques of psychological study. The field of developmental psychology in terms of many of the human behavioral areas will be briefly examined. The human processes of learning, memory, and thinking are explored. The basis of behavioral study in terms of the brain, especially as it relates to perception and consciousness, is discussed. A written journal has been added to translate class principles to “real life”.

➤ - None (.5 credit) Both Semesters 11, 12

Psychology II (1037-38) continues the survey in psychology with the additional topics of personality, psychopathology, human relations, and social psychology. Emphasis will be placed on college prep skills such as research, projects, and discussion and use of college seminars to discuss key topics and trends in psychology. This course, along with completion of Psychology I, is articulated for Advanced Standing with FVTC for Introduction to Psychology. To be eligible for Advanced Standing at a WI Technical College, a student must earn a grade of B or better and enroll in a technical college diploma or degree program. Students must present appropriate documentation of the completion of the high school course which meets the conditions stated in the advanced standing agreement.

➤ - Psychology I (.5 credit) Both Semesters 11, 12

Economics and Society (1053-54) is a semester-long course is designed to examine the social and historical factors that affect the economy. It will examine the various principles of macroeconomics and microeconomics within the various economic systems with emphasis on American capitalism. The microeconomic section will address the role and function of individual decision makers, both consumers and producers with the economics system; while the macroeconomics approach will focus on the components of the national economy, its interaction with foreign markets and methods of measuring economic performance. Moreover, students will analyze current and historical issues that influence economics policy and challenge economics, fiscal and monetary theory. This course is articulated for Advanced Standing with FVTC for Economics. To be eligible for Advanced Standing at a WI Technical College, a student must earn a grade of B or better and enroll in a technical college diploma or degree program. Students must present appropriate documentation of the completion of the high school course which meets the conditions stated in the advanced standing agreement.

➤ -None (.5 credit) Both Semesters 11, 12

Advanced Placement American Government & Politics (I & II) (1101-02) is a year-long course taught at a freshman-sophomore college level in preparation for the College Board’s AP Exam in the spring. The course addresses the American political system, its foundations, and is designed to give students a critical perspective on politics and government in the United States. The class involves both the study of general concepts used to interpret American politics and the analysis of specific case students. AP American Government and Politics is composed of six major themes: Constitutional Underpinnings of U.S. Government; Political Beliefs and Behaviors; Political Parties, Interest Groups, and Mass Media; Institutions of National Government; Public Policy; and Civil Rights and Civil Liberties. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, debating skills, and interpretation of original documents. Students who elect to take and pass the Advanced Placement exam have the opportunity to receive college credits.

- - Consent of Instructor (1 credit) All Year 11, 12

Advanced Placement Comparative Government & Politics (1110) is a semester-long course taught at a freshman-sophomore college level in preparation for the College Board’s AP Exam in the spring. The course addresses the political systems of Brazil, China, France, Germany, Great Britain, India, Iran, Japan, Mexico, Nigeria, and Russia. AP Comparative Government and Politics is composed of six major themes: Introduction to Comparative Politics; Sovereignty, Authority, and Power; Political Institutions; Citizens, Society, and the State; Political and Economic Change; and Public Policy. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, debating skills, and interpretation of original documents. Students who elect to take and pass the Advanced Placement exam have the opportunity to receive college credits.

- - Enrolled in or have completed AP American Government and Politics and Consent of Instructor (.5 credit) Spring Semester 11, 12

Advanced Placement Human Geography (1112) will introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth’s surface while preparing them to take the AP Human Geography exam. Students who elect to take and pass the Advanced Placement exam have the opportunity to receive college credits.

- - Consent of Instructor (.5 credit) Spring Semester 11, 12

Technology Education

Students wishing to enroll in more than one credit of Technology Education per year must receive approval of the Technology Education Department.

Manufacturing/Construction (9001-02) is a semester course in which the student will spend nine weeks in each unit. The manufacturing course is designed to teach students the basic components of producing a product. It will include a brief history of manufacturing systems, what materials are used and how they are processed to make a product, designing a custom production product, and manufacturing in the 21st century. The construction aspect of the course is designed to teach students the basic components of residential and industrial construction. This unit will consist of basic types of construction, construction planning and preparation, construction materials, machine safety and operation, construction processes and construction systems.

- - None (.5 credit) Both Semesters Fee - \$8.00 9, 10, 11

Communication/Transportation (9005-06) is a semester course in which the student will spend nine weeks in each unit. The communication portion is designed as an overview of communications systems and will include what technologies exist, how they work and practical applications. On the communications side of the course, students will gain experiences in CAD, photography, and graphic communications. The transportation aspect of the course is designed as an overview of the methods and systems of the transportation of people and goods; to include highway, air, water, pipeline, space, and rail. This unit will include a variety of hands on transportation projects that put the modes of transportation technologies into practical terms.

- - None (.5 credit) Both Semesters Fee -\$9.00 9, 10, 11

Materials & Processes (9011-12) is a yearlong class that will teach students the basic principles of how raw materials (wood and metal) are fabricated into usable consumer goods. The student will study basic hand tools and machine operations in woodworking and metalworking. There will be strong emphasis on safety procedures in all areas. Class fees will be charged to the individual student as such materials are used in class. All bills will be sent through the High School Office. The course will include the following units:

Metalworking – blueprint reading, basic math (adding and subtracting fractions), reading a ruler to sixteenth of an inch, micrometer reading, hand threading, sheet metal fabrication, welding (Arc, MIG, & TIG), machine tool (operating an engine lathe, drill press, milling machine, and hydraulic shears) and basic CNC machining.

Woodworking – planning and designing wood joints, gluing, hand tool (identification, usage & safety), machinery (planer, table saw, radial-arm saw, jointer, wood lathe, router, panel saw, sanders and various machine power tools), clamping, furniture construction, sanding and preparing for a finish and wood finishing.

- - Manufacturing/Construction (1 credit) All Year Fee - \$85.00 10, 11, 12

Architectural Design (9015-16) is designed for students with a serious interest in learning the information and skills to design, draw plans for and estimate the cost of a typical residential structure. Students will design and construct a model for a single family dwelling. Areas covered include: architectural design, construction methods and materials, cost estimates, building codes, SoftPlan Design Software, floor plans, elevations, wall sections, plot plans, detail drawings, and pictorial drawings.

- - Communications/Transportation & Auto CAD I (1 credit) All Year Fee - \$10.00 11, 12

Auto CAD I (9021-22) is an introduction into the AutoCAD program. The following are typical units in CAD: coordinate entry system, document creation, controls, tools, layers, constraints, drawing protocol, and printing drawing.

- - Communications/Transportation & Consent of Instructor (5 credit) Both Semesters 10, 11, 12

CAD II (9023-24) is designed for the student who would like to gain a working understanding of 3-dimensional concepts and drawings using AutoDesk programs. These programs will include AutoCad, Mechanical Desktop, and AutoDesk Inventor. Some of the topics that will be covered are shading, rendering, and solid modeling. Students who are considering a career in engineering, mechanical design or any technology related field is strongly recommended to take this course.

- - AutoCAD I (.5 credit) Both Semesters 11, 12

DC Fundamentals (9031-32) is the study of the basics of electricity, electronic theory, electronic component identification, resistor color code, Ohm’s law and power formulas, series and parallel circuits, schematic diagrams, and circuit assembly. Students may qualify for transcribed credit at FVTC. Transcribed credit agreements mean that an actual technical college course, using college textbooks and materials, is being taught at Hortonville High School. You will earn high school credit and, if you meet the conditions of the agreement, will be awarded college credit at the same time. The college grade and credits will be recorded on both a HHS transcript and a technical college transcript.

- - Communications/Transportation & Algebra B (.5 credit) Both Semesters Fee - Varies 10, 11, 12

Photography (9035-36) is a course designed to introduce the basics of photography. Students will study the parts and operation of 35mm SLR cameras; principles of design as related to photographic composition, dry mounting; darkroom techniques for Black & White film development and projection printing. Other photo projects include: Pinhole Photography, and Photograms.

- - Communications/Transportation or for seniors (.5 credit) Both Semesters Fee - \$30.00 10, 11, 12

Small Engine Technology (9041) is a semester course that deals with the theory of operation, disassembly, parts checking/measuring for limitations, repairing, re-assembly, testing and adjusting of small 4 stroke cycle engines used in gardening type equipment. Time will also be spent on 2-stroke cycle engines. Units to be covered include: fuel, lubrication, cooling, and electrical systems; trouble shooting, repair and parts manual use, measurement and tools testing. The major portion of the lab work will be on school owned Briggs and Stratton 3.75 HP engines. Students may also bring in similarly sized small engines to work on. Costs: any parts broken or lost on school engines or any parts or materials for student-owned engines. **This course is being submitted for consideration and approval for Advanced Standing at FVTC for the 2010-2011 school year.**

- - Communications/Transportation (.5 credit) Fall Semester 10, 11, 12

Machine & Metal Fabrication (9045) provides students an opportunity to continue to develop their technical skills in the metal working field. This course will provide midline training for skill trades and will deal with welding (gas and electric), sheet metal fabrication, and machine tool. Students will do various projects in each of the subject areas listed.

- - Materials & Processes (.5 credit) Fall Semester Fee for Project 11,12

Cabinet & Furniture Making (9048) provides students an opportunity to continue to develop their technical skills in the woodworking field. Wood processing techniques and safety will be emphasized. The student will first make a small demonstration cabinet to simulate the various building techniques used in the cabinet making field. A completed project of the student's choosing using a variety of building materials and fastening techniques taught in class is required to pass the course. A portfolio will also be part of the coursework. Students are expected to pay for all project materials.

- - Materials & Processes (1 credit) Spring Semester Fee for Project 11, 12

Residential Construction (9050) is designed for students who would like to gain a working understanding of the basics of building design, construction and remodeling for their personal use as well as students who would like to learn the knowledge and skills necessary for entering the building trades at the apprenticeship level. Typical units include: safe use of hand tools for carpentry; operation and use of transit/level for building layout; reading and interpreting blueprints; building materials for use today; cost estimates for construction; framing of floors, walls, ceilings, and roofs, masonry and building codes. This course will include several hands-on exercises as well as a full size framing project.

- -Materials & Processes & Consent of Instructor (1 credit) Spring Semester Fee - \$15.00 11, 12

Graphic Communications (9053-54) will be a semester course where the basics of graphics will be covered. Graphic areas would include: basic methods of printing, layout and composition; desktop publishing; plate making, prepress, press operations; screen printing applications and design; binding; digital photography; airbrushing; etc. Safety in the graphics lab will also be included. The graphic course is designed to educate students about the basics of graphic communications and procedures used in today’s graphics industry. This course is articulated for Advanced Standing with FVTC for Graphic Reproduction Methods. To be eligible for Advanced Standing at a WI Technical College, a student must earn a grade of B or better and enroll in a technical college diploma or degree program. Students must present appropriate documentation of the completion of the high school course which meets the conditions stated in the advanced standing agreement.

➤ - Communications/Transportation (.5 credit) Both Semesters Fee - \$25.00 10, 11, 12

Millwright (9063-64) students taking this course will be getting experience in the operation and maintenance of all equipment in the labs and helping the instructor maintain the facilities. The course will also include the designing of jigs, and set-up and repair of equipment. This course will only be open to those students who have demonstrated a career interest in vocational work by excelling in other vocational technology courses. Enrollment will be limited to one student per period that the instructor has a class. This class may only be taken once for credit.

➤ - Application & Consent of Instructor (.5 credit) Both Semesters 11, 12

Cisco Networking (9101-02)

Description: The Cisco Networking course teaches students valuable Internet technology skills, including networking, Unix, Web design, and other IT essentials. The curriculum covers a broad range of topics from basics to how to build a network to how to build a website and more complex IT concepts such as applying advanced trouble shooting.

➤ - Geometry B (1 credit) All Year 9, 10, 11, 12

World Languages

Beginning Spanish (Spanish I) (0205-06) is an introduction to the Spanish language and the Spanish speaking world, focusing on Mexico. In this course students will learn to carry on a conversation about weather, school, home and family, what they like to do in their free time and clothes they wear. Assessments involve formal speaking and writing, spontaneous conversations and interpreting both spoken and written Spanish.

➤ - None (1 credit) All Year 9, 10, 11, 12

Developing Spanish (Spanish II) (0211-12) helps students increase their communication skills in Spanish and expands their knowledge of the Spanish speaking world, focusing on Spain. Emphasis is placed on the increasing accuracy with which students are able to speak and write. Topics include health, shopping, household chores, daily routines, past events, and childhood activities. Students are expected to speak as much Spanish as possible in the classroom on a daily basis. Assessments involve formal speaking and writing, spontaneous conversations and interpreting both spoken and written Spanish.

- - Beginning Spanish or placement test (1 credit) All Year 9, 10, 11, 12

Advanced Developing Spanish (Spanish III) (0221-22) is for students who have completed Developing Spanish or placed in the course via 8th grade placement test. Students will learn to speak about the past, speculate about the future and express their opinions. Students will further expand their understanding of the Spanish speaking world by reading a short story and studying Spanish-speaking America. Assessments involve formal speaking and writing, spontaneous conversations and interpreting both spoken and written Spanish.

- - Developing Spanish (1 credit) All Year 10, 11, 12

Transitioning Spanish (Spanish IV) (0231-32) is a critical level in language learning. Our goal is to combine all learning objectives from Beginning Spanish through Advanced Developing Spanish with higher level of grammar structures and more detailed vocabulary. Topics include physical health, making travel plans and independent living. Cultural studies will focus on the history of the Spanish speaking world. More emphasis is placed on reading and formal essay writing, yet our main focus continues to be on verbal communication. Both teacher and student speak exclusively in Spanish in class.

- - Advanced Developing Spanish (1 credit) All Year 11, 12

Advanced Transitioning Spanish A (AP/CAPP 248/AP Spanish V) (0241-42) includes a comprehensive review of advanced grammar concepts for increased accuracy and fluency in communication. There is also increased emphasis on Hispanic literature, composition and conversation. The class is conducted in Spanish and college level work is expected. Summer reading will be required.

- - B or better average in Transitioning Spanish (1 credit) All Year 12

This is an advanced course which may be taken for CAPP or AP college credit. A university fee is charge if the course is taken for CAPP credit. A fee is also charged if a student elects to take the AP exam. The course of study is the same for all students whether taken as Advanced Transitioning Spanish A, CAPP or AP. Student who meet CAPP criteria take this course through the University of Wisconsin-Oshkosh. Those who pass the CAPP course earn 5 college credits in addition to 1 high school credit. Those who earn a B or higher will also receive 13 retro-credits in Spanish from UW-Oshkosh.

Advanced Transitioning Spanish B (AP/CAPP 312/AP Spanish V) (0245-46) is the highest Spanish course offered in the 2 -12 language sequence. The university course Spanish 312, Advanced Spanish Grammar. Students will focus on the accurate use of the Spanish language as well as practice understanding spoken Spanish through the use of authentic aural broadcast and movies in Spanish. Students will further refine their speaking skills through the study of art, architecture, history and literature. Both teacher and students speak exclusively Spanish in this class.

- - B or better average in Transitioning Spanish (1 credit) All Year 12

Seniors wishing to take this course for both high school and CAPP credit may only do so if they were enrolled in CAPP 248. If a student earns a grade equivalent to a B or better, they will receive 5 college credits. Combined with the possible 18 credits earned in CAPP 248, a student may graduate with 23 college credits in Spanish.

German I (0301-02) is the beginning course in German that provides students with the opportunity to develop listening, speaking, reading, and writing skills in German. Emphasis is placed on oral comprehension and spoken communication. Various aspects of the cultures of the German-speaking countries area also included.

➤ - None (1 credit) All Year 9, 10, 11, 12

German II (0311-12) is a continuation of the beginning sequence in German. It provides learners the opportunity to increase their vocabulary and further develop communication skills. They will be able to communicate with understanding in most simple everyday survival situations. In addition, there is increasing emphasis on writing in German.

➤ - German I (1 credit) All Year 9, 10, 11, 12

German III (0321-22) is the third course of the German sequence and students will complete their overview of the fundamental language skills in German. In addition to survival skills, students learn to cope with problems and unexpected situations using German. There is increasing emphasis on reading and writing skills. German history and culture are also discussed.

➤ - German II (1 credit) All Year 10, 11, 12

German IV (0331-32) is conducted primarily in German and will offer students an integrated grammar review. Special emphasis will be placed on narrative writing as well as on reading newspapers, magazines, and other texts in addition to some literature texts. Aspects of German history and culture will also be studied.

➤ - German III (1 credit) All Year 11, 12

German V (0341-42) will be conducted entirely in German and will offer students the equivalent of college-level coursework in the target language. Students will read and analyze German literature, study advanced grammar and semantic concepts, further their understanding of the history and culture of German-speaking people and further develop writing skills.

➤ - B or better average in German IV (1 credit) All Year 12

Yearbook

Yearbook Production (9501-02) is designed for students who wish to learn the basics of yearbook production. It covers the roles of staff members, mechanics, and skills used in financing a yearbook, yearbook journalism, planning and producing photographs, and preparation of a yearbook for final printing. Students enrolling in this course for a second year will assume editorial responsibilities and progress into advanced layout and design techniques. This is an elective course and does not count toward the art or fine arts or occupational graduation requirement.

➤ - Application & Consent of Instructor (1 credit) All Year 10, 11, 12

Youth Options

If the School District pays for the Youth Options course, the course will appear on the high school transcript and the grade will be averaged into the student’s GPA.

If the parent/student pays for the course, it will be parent’s option to have the course listed on the transcript and included in the GPA. That decision must be made at the time of application.

Youth Options (9227-28) is an opportunity for juniors and seniors to earn credits on-site at a local technical college/university campus. See your counselor for additional information and applications. Deadlines:

- Oct. 1 for 2nd semester of current school year
- March 1 for 1st semester of following school year

- - Consent of high school guidance counselor, principal and post-secondary school;
 - Four year College - must be in top 25% of class;
 - Technical College- you must have a minimum of a 2.0 Grade Point Average to be considered a student in good standing.
- | | | |
|-------------------|----------------|--------|
| (various credits) | Both Semesters | 11, 12 |
|-------------------|----------------|--------|

Advanced Standing Agreements - Fox Valley Technical College and Hortonville High School

Advanced Standing Agreements provide High School students with the opportunity to earn advanced standing at a WI Technical College. Hortonville High School has submitted a number of courses whose curriculum and skill standards have been approved as similar or comparable to courses taught at a Wisconsin Technical College. You will earn high school credit and in addition, if you meet the criteria established for these courses, be granted advanced standing for the Technical College course upon enrolling.

Note: Courses that are FVTC specific may be recognized and accepted for the advanced standing at FVTC only.

Criteria: To be eligible for advanced standing students must enroll in a technical college degree program and present appropriate documentation of the completion of the high school course(s) which meets the conditions stated in the articulated agreement.

Hortonville High School courses and their Fox Valley Technical College match are as follows.

Hortonville Course(s)	FVTC Course(s)	Credits
Economics & Society	Economics (10-809-195)	3 credits
Graphic Communications	Graphic Reproduction Methods (204-141)	3 credits
Psychology I and Psychology II	Intro. To Psychology (809-198)	3 credits
School Supervised Work Experience (SSWE)	Business Career Development (104-137)	1 credit
Sociology I and Sociology II	Intro to Sociology (10-809-196)	3 credits
Written Communications	Written Communications (10-801-195)	3 credits

Transcripted Credit Agreements – FVTC/MPTC and Hortonville High School

Transcripted Credit Agreements mean that an actual technical college course, using college textbooks and materials, is being taught at Hortonville High School. You will earn high school credit and, If you meet the conditions of the agreement, will be awarded college credit at the same time. The college grade and credits will be recorded on both a HHS transcript and a technical college transcript.

Note: Courses that are FVTC or MPTC specific may be recognized and accepted for advanced standing at FVTC or MPTC only.

Hortonville High School courses and their Fox Valley Technical College match for Transcripted Credit are as follows:

Hortonville High School Course	Fox Valley Technical College Course	Credits
DC Fundamentals	DC Circuits 1(660-110) DC Circuits 2 (660-111)	1 credit 1 credit
Early Childhood	Health Safety and Nutrition (307-168)	3 credits
Foundations of Early Childhood Education	Foundations of Early Childhood Education (307-120)	3 credits

Hortonville High School courses and their Moraine Park Technical College match for Transcripted Credit are as follows:

Hortonville High School Course	Moraine Park Technical College Course	Credits
Health Careers	Careers in Allied Health (530-120)	3 credits