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The Deerfield Community School District does not discriminate on the basis of sex, race, religion, age, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional, or learning disability.

Introduction

This course guide has been prepared to help guide high school course planning. When scheduling, please read the course descriptions, ask questions about the classes, follow the recommendations, and think before you choose. Your teachers, school counselor, principal, and parent(s)/guardian(s) can help in determining your course requests. Deerfield High School has many courses and opportunities that help prepare students for future education and/or the world of work. Students are encouraged to take full advantage of these opportunities.

General Information

Scheduling

Planning ahead for future coursework is of utmost importance. In an effort to put together the best possible schedule for each student, it is important that students list all schedule intentions on their course request sheet (including mentoring, senior privilege, online courses, etc.). It is also very important that students actively talk to school staff and parents/guardians regarding course requests to make sure appropriate courses are being requested.

IMPORTANT: Students will have the opportunity during the mid August scheduling window to make any necessary adjustments to their full year schedule, including BOTH semesters!

Scheduling adjustments will only be considered after the August scheduling window if:

1. An adjustment is needed to meet graduation requirements.
2. The student did not pass a required class.
3. The student did not pass a class that was preparation for a higher level class.
4. A student's Youth Options course conflicts with the student schedule.
5. School staff determines that a student needs a subject level change. A subject level change is when a student switches from an advanced course to a regular course or vice-versa.
6. Unforeseen extenuating circumstances with administrative approval (medical/family reason, etc.).

Academic rigor is strongly encouraged and supported during all four years of a student's high school career.



Graduation Requirements

Deerfield High School requires 28 credits to graduate. It is the student's responsibility to know and fulfill graduation requirements. Students are encouraged to review their transcript each year to make sure requirements are being fulfilled in a timely fashion. The requirements are listed in the following subject areas:

Course	Credits (2018+)
English	4.0
Math	3.0
Social Studies	3.0
Science	3.0
P.E.	1.5
Health	0.5
Career/College Readiness	0.5
Computer Science	0.5
Personal Finance	0.5
Fine Arts	4.0
<i>(Fine Arts = Computer Science, Art, FACS, Tech Ed., Foreign Language, Music, Business)</i>	
Electives	7.5
Civics Exam (state requirement)	

ACT Testing

Junior students are required to take the ACT during the school day (each spring) on a date designated by the Wisconsin Department of Instruction. This specific ACT test includes the Writing Portion of the test and is provided by the school district. This official test score is used for college admission.

Additional ACT test offerings are administered at Deerfield High School approximately 4-5 times per year. Test dates and registration deadlines are posted in multiple locations around the school and in the Guidance Office. It is the student's responsibility to sign up and pay for these additional opportunities.

Online registration for the ACT may be found at: www.actstudent.org

Deerfield High School code (CEEB Code): 500 - 495.

Free ACT prep online: www.knowhow2go.org www.4tests.com www.princetonreview.com
www.actexampracticetests.com [Learning Express Library](#) - Scroll down to Learning Express Library.

Early Graduation

Any student who has completed 6 semesters of high school and will have enough credits to graduate after the 7th semester, can apply for early graduation. All credit requirements must be fulfilled by the end of first semester of his/her senior year. The student must apply to the Board of Education for early graduation by:

1. Completing a student proposal plan that lists the reasons for requesting early graduation.
2. Submitting a statement by their parents stating their feelings about the student's goals, level of maturity, and authorization for early graduation.
3. Meeting in council with the principal, guidance counselor, and the parents to discuss early graduation.
4. Receiving the recommendation of the principal.
5. Receiving the recommendation of the Board of Education.
6. The letter of early graduation intention should be given to administration before December 1st of the student's senior year.

Senior students interested in early graduation should make an appointment with the guidance counselor **during the first quarter** to ensure that the December 1st timeline is met.



UW-System and Post-Secondary Admissions Requirements

Students who plan to further their education at either a technical college or university must pay very close attention to admissions requirements when selecting their high school courses. Admissions requirements vary considerably depending upon the college or university the student plans to attend. It is extremely important to check specific college/university entrance requirements.

Listed below are the *minimum* subject area credit requirements for admission to the UW-System. Competition for admission to many colleges/universities continues to increase, which makes high school course selection extremely important. Colleges/universities want to see students take all the English, Math, Social Studies, Science, and Foreign Language courses they can.

- **4 credits English**
- **3 credits Math (Algebra I, Geometry, Algebra II)**
- **3 credits Social Studies**
- **3 credits Science**
- **4 credits Electives**
- **2 credits Foreign Language**

UW - System information: www.wisconsin.edu.

UW- System application: www.apply.wisconsin.edu.

Wisconsin Private Colleges and Universities

For detailed information on admissions and financial aid, the individual college/university website is going to provide the most comprehensive information.

- 4 credits English
- 3 credits Math (Algebra, Geometry, Algebra II)
- 3 credits Social Studies
- 3 credits Science
- 4 credits Electives
- 2 credits Foreign Language

Online information and applications may be found at www.wisconsinmentor.org.

Additional helpful website: www.privatecolleges-wisc.org

Wisconsin Association for Independent Colleges and Universities: www.waicu.org

Wisconsin Technical School Admissions

Technical college programs have admission standards and some have specific application “windows.” Because of the popularity of some programs it is important to apply early. Technical college preparation should include a comprehensive high school curriculum to ensure future academic success.

For more information about the Wisconsin Technical College System, please visit: www.wtcsystem.edu.

Online applications for all Wisconsin Technical Colleges may be found at: www.witechcolleges.com.

Associate Degree Programs - Wisconsin Technical Colleges offer associate degree programs that will prepare students for a variety of mid-management or technical level jobs. If a student attends classes full-time, associate degree programs usually take two years or more to finish. Students take general education courses and classes in technical theory related to the program chosen. Students learn to apply the theories studied to specific work-related situations. Technical theory is stressed in associate degree programs, along with "hands-on" training in the laboratories.

Technical Diploma Programs - Wisconsin Technical Colleges offer technical diploma programs that prepare students for specific work in skilled and semi-skilled jobs. Most of these programs are one year in length, but some are two years long if attended part-time. Most time will be spent in shops and labs learning the skills necessary for the job chosen. Students will take some general education courses, but "hands-on" experience is the most important part of technical diploma programs.

Apprenticeship Programs - As an apprentice, students work under the supervision and direction of skilled workers in a chosen trade. Apprentices attend college part-time and are paid by their employers for their school hours. See the specific school websites for detailed information.

COMPASS Assessment

This assessment is used for entrance and for course placement at technical schools including Madison College. The test is a computerized, un-timed test and includes assessments in reading, writing and math.

www.act.org/compass. There is a \$20 fee for this test which is the responsibility of the student. Technical colleges may substitute a recent ACT (less than 2 years old) score if available.

4 Year University
Recommended Course Sequence
 (Courses are listed in recommended sequential order.)

Language Arts – 4.0 credits

- English 9
- English 10
- English 11 Honors (required to take AP English)
- English electives
- AP English Literature

Mathematics – 4.0 Credits (including one during senior year)

- Algebra I
- Geometry
- Algebra II
- Probability & Statistics
- Pre-Calculus (recommended if considering a math/science field)
- Calculus (recommended if considering a math/science field)
- AP Calculus (recommended if considering a math/science field)

Social Studies – 4.0 Credits (including one during senior year)

- U.S. History
- Contemporary World Issues
- American Government
- Archaeology
- Anthropology
- Sociology/Diversity
- History Through the Pages
- History of the Holocaust
- Economics
- AP U.S. Government/AP U.S. History (*offered at DHS alternate years*)

Science – 4.0 Credits (including one during senior year)

- Biology
- Chemistry
- Forensic Science
- Advanced Chemistry
- Human Anatomy & Physiology
- Physics
- Zoology/Biodiversity (*offered at DHS alternate years*)

Plus:

- 1.5 credits Physical Education
- At least 1.0 credit Computer Science
- 0.5 credit Health
- 0.5 credit Personal Finance
- 0.5 credit College & Career Readiness (C&CR)
- At least 2.0-3.0 credits of Foreign Language
- Remaining elective credits based on individual educational goals

2 Year Technical College
Recommended Course Sequence
(Courses are listed in recommended sequential order.)

Language Arts - 4.0 credits

- English 9
- English 10
- English 11
- English 12

Mathematics – 3.0 or 4.0 Credits (including one during senior year)

- Algebra I
- Geometry
- Concepts & Analysis OR Algebra II
- Probability & Statistics

Social Studies – 3.0 Credits

- U.S. History
- Contemporary World Issues
- American Government
- Sociology/Diversity
- History Through the Pages
- History of the Holocaust
- Economics

Science – 3.0 Credits

- Biology
- Physical Science
- Elective

Plus:

- 1.5 credits Physical Education
- 0.5 credit Health
- 0.5 credit Personal Finance
- 0.5 credit College & Career Readiness (C&CR)
- At least 0.5 credit Computer Science
- 1.0 credit Foreign Language
- Remaining elective credits based on individual educational goals

Deerfield High School Yearly Student Guidelines

Freshmen

Get involved. Make the effort to get involved with groups, clubs, or teams that interest you. This is the time to start building your resume and experiences that you can eventually put on college or job applications.

Know your graduation requirements. This will help make sure you graduate on time.

Make the grade. Get off to a good start with your grades. Your GPA is important and your grades will have an impact on your GPA and class rank.

Explore your interests and possible careers. Discuss your skills and interests with your friends, parents, teachers, counselor, principal, etc. Take a variety of courses while in high school in order to learn about different fields of study.

Consider a college savings plan. Talk to your parents about planning for college expenses. If your family already has a savings plan, continue to add to it. If not, now is a great time to start saving for college.

Build your credentials. Keep track of academic and extracurricular awards, community service achievements, and anything else you participate in so it'll be easier to remember later. It'll come in handy when you want to highlight your accomplishments - such as when you're filling out college applications or creating a resume.

Make summer count. There are plenty of ways to have fun and build your credentials during the summer, such as volunteering, getting a job, or signing up for an enrichment program.

Sophomores

Begin learning about the college admissions process. Familiarize yourself with general college entrance requirements and start thinking about your future plans.

Stay on track with your courses. Know your graduation requirements and make sure you are enrolled in courses that challenge you and will help prepare you for a college/university and/or your career.

Keep your grades up. Remain focused on doing well in your courses. Read books, practice writing, and improve your math skills. The more time you spend on your academics the better off you will be.

Read, read, read. Developing your reading skills will help prepare you for tests and make you a well-rounded individual. Read as many books as you can and read the newspaper to learn about current affairs.

Use your Career Cruising Account. Set up your Career Cruising Account. Investigate and explore careers and college/universities that interest you. The Career Cruising website is: www.careercruising.com/

Practice your writing. You'll need good writing skills no matter what path you pursue, so work on those skills now to get prepared. Find a teacher or another adult who can advise and encourage you to write well.

Start your college search. Use college search tools to decide what factors are important to you and try to seek out schools that match your criteria.

Contact colleges/university/programs that interest you. Contact schools and ask for more information about their academic requirements and any programs or activities that you are interested in. Utilize websites and the resources found in the Guidance Office and the High School IMC.

Make summer count. There are plenty of ways to have fun and build your credentials during the summer, such as volunteering, getting a job, or signing up for an enrichment program.

Juniors

Make a college list. Include colleges that meet your most important criteria. (Ex. size, location, cost, academic majors or special programs) Weigh each factor and develop a preliminary ranking of the schools on your list.

Evaluate your education options. Now is the time to follow a more specific path with regards to college, work, and/or the military.

Take the ACT! It is critical that students prepare for the ACT. Study materials are available in the Guidance Office as well as online at www.actstudent.org. The more a student prepares for the ACT, the better the ACT score will be.

Learn about financial aid. Discuss the cost of college with your parent(s)/guardian(s). Attend the annual Deerfield/Cambridge/Lake Mills Financial Aid Night, typically held in December.

Visit colleges/universities you are interested in attending if possible. Look on the school websites for “preview days.” Call the admissions office to set up an interview, tour, and/or a meeting with a professor or coach if you're interested in athletics. Most campuses have tours on weekdays and sometimes on Saturdays. Many campuses also schedule special preview days for visiting and meeting with academic advisers.

Try to job shadow. Think about occupations you would like to job shadow. Ask your parents/friends/teachers if they know of anyone to job shadow. This is a great way to see if you are truly interested in a career of interest.

Start working on application essays. Compose rough drafts of the essays you'll need for your college/university applications. These also will help with scholarship applications. Have a teacher read and discuss them with you. Make revisions. Proof read many times.

Have your Junior Conference with your parent(s)/guardian(s) and school counselor. Discuss your thoughts for senior year coursework/plans, future educational/career plans, and get answers to college/career questions you may have.

Visit the College & Career Center in the IMC and browse scholarships. Research higher education, military opportunities, and apprenticeship programs. Look at scholarships that you could apply for during your senior year. For more information, refer to the “guidance” web page on the high school/district website.

Contact your recommendation writers. Ask people who know you well and will have positive things to say. Fill out the form and make copies to distribute to your letter writers. Make sure to give letter writers plenty of time. It is best to tell your letter writers at the end of junior year so they have the summer to complete it. That way you are ready to begin applying to schools and scholarships at the beginning of senior year.

Make summer count. There are plenty of ways to have fun and build your credentials during the summer, such as volunteering, getting a job, or signing up for an enrichment program.

Seniors

Make sure your senior year schedule is set in August. Changes to the senior year schedule typically require the student to provide written notification to the college/university of any changes. Make sure the courses you are scheduled for are the courses you will take.

Create a list or calendar of important dates. This is important so you have a plan regarding how/when to take care of important steps for college admissions and/or career preparation.

Stay on track with your grades. Colleges will look at what you have done your senior year. It is important to stay focused on doing well academically and maintaining a commitment to school and community involvement.

Complete university/college applications (online is preferred by most schools). Finish application forms for the colleges/universities you're interested in. Be sure to proof read your applications. Make sure you include all the necessary documents.

Request your official high school transcript to be sent to universities/colleges you are applying to. The **Official Transcript Request Form** is located in the Guidance Office.

Apply for scholarship opportunities. Search for and apply for scholarships. There are a lot of scholarships out there and many resources available. It is up to the student to search out and apply for scholarship opportunities. Local scholarship information is mailed to all senior families in the early spring and also becomes available on the Deerfield High School Guidance Webpage at that time.

Complete FAFSA. Fill out the FAFSA as soon AFTER January 1 as possible. The FAFSA is the main avenue for federal and state financial aid (grants, scholarships, loans, and work study).

Complete enrollment paperwork for the college you will attend. Once you accept an offer you should receive information from the college about course registration, orientation sessions, housing, etc. Be sure to complete all required paperwork by the appropriate deadlines. If there are questions regarding any aspects of college application process, times may be scheduled to meet with the school counselor for assistance.

Finish with strong senior year grades. You have put a lot of hard work into your high school career. You owe it to yourself and your future to finish out your high school career with strong grades.

Course Offerings

Grade Level Credit

ENGLISH (4.0 cr. required)

*English 9	9	1.0
*English 10	10	1.0

*English 11 (OR)	11	1.0
*English 11 Honors	11	1.0

*English 12 (OR)	12	1.0
*AP English Literature	12	1.0

The Novel & Theory	11-12	0.5
Shakespeare & Friends	11-12	0.5
#Mythology	11-12	0.5
#Creative Writing: Fiction	11-12	0.5

MATH (3.0 cr. required, 4.0 cr. recommended)

Pre-Algebra	9	1.0
*Algebra I	9-10	1.0
*Geometry	9-12	1.0
Algebra II	10-12	1.0
Concepts & Analysis	11-12	1.0
Probability & Statistics	11-12	1.0
Pre-Calculus	11-12	1.0
Calculus	11-12	1.0
AP Calculus	12	1.0

SOCIAL STUDIES

(3.0 cr. required 4.0 cr. recommended)

*U.S. History	9	1.0
*Contemp. World Issues	10	1.0
*American Government	10-12	0.5
Sociology/Diversity	10-12	0.5
#AP US History	11-12	1.0
Anthropology	11-12	0.5
Archaeology	11-12	0.5
Economics	11-12	0.5
History of Holocaust	11-12	0.5
History Through the Pages	10-12	0.5
AP U.S. Government	11-12	1.0

Courses listed in recommended sequential order.

* indicates REQUIRED courses

indicates course offered in 2018-2019 year

Grade Level Credit

SCIENCE (3.0 cr. required, 4.0 cr. recommended)

*Biology	9	1.0
Physical Science	10-12	1.0
Chemistry	10-12	1.0
Advanced Chemistry	10-12	1.0
Forensic Science	10-12	1.0
Human Anatomy & Phys.	10-12	1.0
Biodiversity	10-12	1.0
Physics	11-12	1.0
#Zoology	10-12	1.0

PHYSICAL EDUCATION (1.5 cr. required)

(PE classes need to be taken different years to fulfil graduation requirements)

*P.E. 9	9	0.5
P.E. 10	10	0.5
Total Body Challenge	9-12	0.5
Outdoor Ed. & Team Act.	10-12	0.5
Team/Individual Sports	11-12	0.5
Sports Officiating, Coaching, & Current Events (not PE credit)	11-12	0.5

HEALTH (0.5 cr. required)

*Health 9	9	0.5
Contemporary Health Issues	10-12	0.5

COLLEGE & CAREER READINESS (C&CR) (0.5 cr. required)

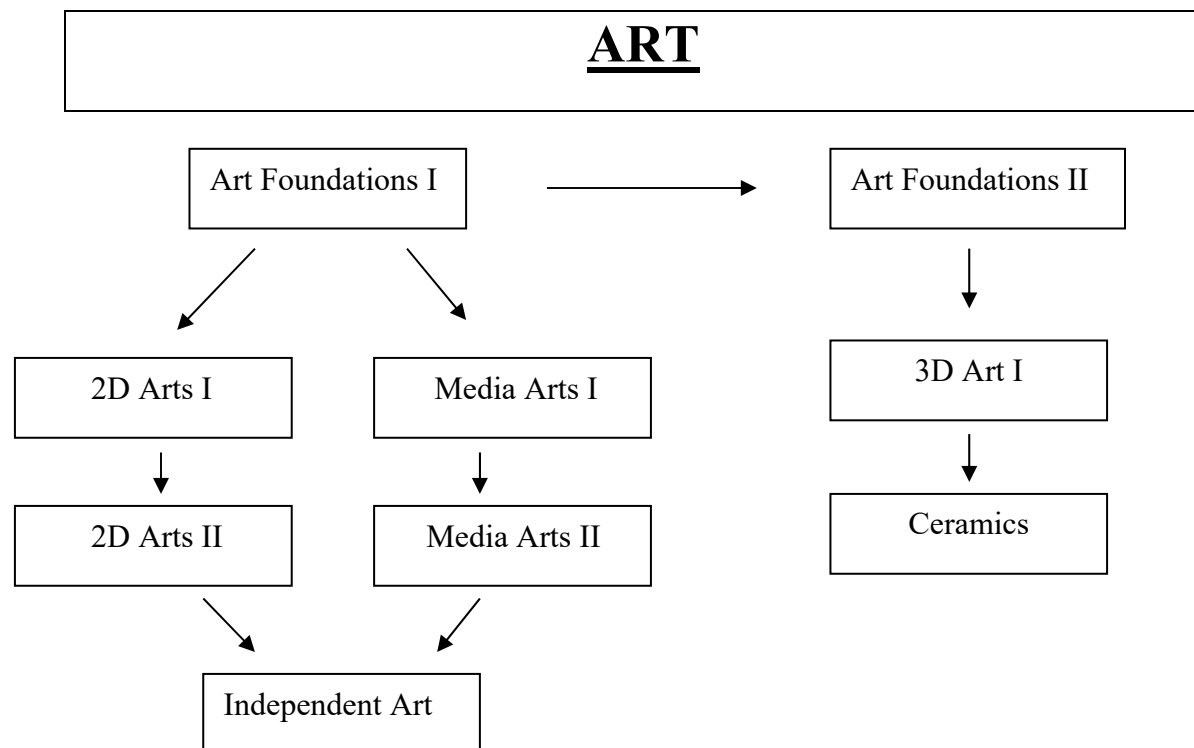
*College & Career Readiness 10		0.5
21 st Century Comm. Skills	9-12	0.5
College Success	12	0.5

COMPUTER SCIENCE

(0.5 cr. required, 1.0-2.0 cr. recommended)

*Intro to Computer Science	9-12	0.5
3D Design & Animation	9-12	0.5
Digital Multimedia	9-12	0.5
Adv. Digital Multimedia	9-12	0.5
Web Site Development	9-12	0.5
Advanced 3D Design	10-12	0.5
Advanced Web Site Devt	10-12	0.5
Digital Video Production	10-12	0.5
Programming w/ Java	9-12	0.5
Adv. Java Programming	9-12	0.5
#Programming C	9-12	0.5
#Programming w/ Swift	9-12	0.5

<u>Grade Level</u>	<u>Credit</u>	<u>Grade Level</u>	<u>Credit</u>		
<u>FOREIGN LANGUAGE (2.0 cr. recommended)</u>		<u>MUSIC</u>			
Spanish I	9-12	1.0	Band & Choir (EOD)	9-12	1.0
Spanish II	9-12	1.0	Band Everyday	9-12	1.0
Spanish III	10-12	1.0	Concert Choir Everyday	9-12	1.0
Spanish IV	11-12	1.0	Theater Arts	9-12	0.5
<u>ART</u>					
Art Foundations I	9-12	0.5	Music Appreciation	9-12	0.5
Art Foundations II	9-12	0.5	Music Theory	9-12	0.5
2D Art I	9-12	0.5	Show Choir	9-12	1.0
2D Art II	9-12	0.5	Music Technology I	10-12	0.5
3D Art I	9-12	0.5	Music Technology II	11-12	0.5
Ceramics	9-12	0.5	<u>TECHNOLOGY/AGRICULTURE</u>		
Media Arts I	9-12	0.5	<u>EDUCATION</u>		
Media Arts II	9-12	0.5	Metals Manufacturing I	9-12	0.5
<u>BUSINESS</u>					
Microsoft Bus. Application	9-12	0.5	Metals Manufacturing II	9-12	0.5
Yearbook	9-12	1.0	Wood Manufacturing I	9-12	0.5
Marketing	10-12	0.5	Wood Manufacturing II	9-12	0.5
Accounting	11-12	1.0	Air Cooled Engines	10-12	0.5
Introduction to Law	11-12	0.5	Basic Auto Repair	10-12	0.5
*Personal Finance	11-12	0.5	Construction Bldg. Trades	10-12	0.5
<u>FAMILY AND CONSUMER SCIENCES</u>					
Foods I	9-12	0.5	Consumer Home/Auto	10-12	0.5
Foods II	9-12	0.5	Engineering Design I	10-12	0.5
Hospitality Careers	9-12	0.5	Engineering Design II	10-12	0.5
Housing & Interior Design	9-12	0.5	Introduction to Agriculture	9-12	0.5
Sewing I	9-12	0.5	<div style="border: 1px solid black; padding: 5px;"> Information about Youth Options, Youth Apprenticeships, and Cambridge courses may be found on pages 47-51. </div>		
Textile Arts	9-12	0.5			
Child & Parenting	9-12	0.5			
DES Mentor	10-12	0.5			
Foods III	10-12	0.5			
Asst. Child Care Teacher	11-12	0.5			



Art Foundations I

Credit: 0.5

Prerequisite: None

Grades: 9-12

Art Foundations I is the beginning course for all students who want to pursue an interest or future career in visual arts and design. Students will study the elements of art as they create original artwork. Inspired by observation and imagination, students will express themselves through the themes of still life, landscape, and portrait. They will learn about and use drawing, painting, mixed media, and printing techniques to create two-dimensional artworks. Students will analyze and critique artworks, discuss aesthetic issues, and understand how art is related to history and culture.

Art Foundations II

Credit: 0.5

Prerequisite: Successful Completion of Art Foundations I

Grades: 9-12

In this foundations course, students will use their knowledge of the elements of art as they study the principles of design. Students will create original artwork as they further explore two and three-dimensional media such as drawing, painting, sculpture and ceramics. Students will analyze and critique artworks, discuss aesthetic issues, and develop a deeper understanding of how art is related to history and culture.

2D Art I**Credit: 0.5****Prerequisite: Successful Completion of Art Foundations I****Grades: 9-12**

Students will have the opportunity to explore and develop technical skills in the use of drawing, painting, and printmaking media. They will create original two-dimensional artworks based upon the themes of observation, expressive figure/portrait, landscape, still life and personal communication of an idea. Contemporary artists and famous artists throughout history will serve as inspiration for student projects. Students will analyze and critique artworks, discuss aesthetic issues and understand how two-dimensional art is related to history and culture.

(There is a \$25 fee for this course. Students not able to afford the cost should contact the building principal.)

2D Art II**Credit: 0.5****Prerequisite: Successful Completion of 2D Art I****Grades: 9-12**

Students will develop advanced technical skills in the use of colored drawing media, watercolor, and acrylic (or oil) paint. Students will create original two-dimensional artworks based upon the themes of perspective from observation, the figure, and the development of a thematic idea through a series of works. Students will draw inspiration from contemporary artists and famous artists throughout history. Students will analyze and critique artworks, discuss aesthetic issues and develop a deeper understanding of how two-dimensional art is related to history and culture.

(There is a \$25 fee for this course. Students not able to afford the cost should contact the building principal.)

3D Art I**Credit: 0.5****Prerequisite: Successful Completion of Art Foundations I****Grades: 9-12**

Students will develop technical skills in the use of various media such as plaster, clay, paper, wire, and found objects. They will create original three-dimensional artworks using modeling, carving, and assemblage. Students will develop and use ceramic hand-building methods and learn the process of throwing on the potter's wheel, they will create original functional and non-functional pieces. Sculptural and ceramic pieces from ancient history through modern art will be studied for inspiration. Students will analyze and critique artworks, discuss aesthetic issues and understand how three-dimensional art is critical to history and culture.

(There is a \$25 fee. Students not able to afford the cost should contact the building principal.)

Ceramics**Credit: 0.5****Prerequisite: Successful Completion of 3D Art I or Art Foundations II****Grades: 9-12**

Students will develop advanced technical hand-building and wheel thrown skills as functional and sculptural pieces are created. Well thought out forms, aesthetic designs, craftsmanship and functional use are emphasized as a body of work is created. Students will explore historical connections and contemporary examples, reflect on the process, and critique finished pieces.

(There is a \$25 fee. Students not able to afford the cost should contact the building principal.)

Media Arts I**Credit: 0.5****Prerequisite: Successful Completion of Art Foundations I****Grades: 9-12**

Students will explore the world of 35mm black and white photography. They will learn to operate a single lens reflex camera, process film, and develop their photographic prints. Students will learn how to take visually strong digital images and create original photographs expressing themselves through the following themes: elements and principles of art and design, pattern, reflection, shadow, portrait, motion, and environment. They will analyze and critique photographs, discuss aesthetic issues, understand the historical development of photography, and relate a photographer's work to the society in which it was created.

(There is a \$25 fee. Students not able to afford the cost should contact the building principal.)

Media Arts II**Credit: 0.5****Prerequisite: Successful Completion of Media Arts I****Grades: 9-12**

Students will continue to develop technical skill with traditional black and white photography. They will also learn to use digital cameras and computer software to manipulate and refine images. Various movements and artists within photography will inspire students as they develop an individual artistic style through research and experimentation. Students will express themselves through the themes of studio work, self-portrait, time exposure and narrative photography. Students will analyze and critique photographs, discuss aesthetic issues, and relate historical styles in photography to their own work and that of other photographers.

(There is a \$25 fee. Students not able to afford the cost should contact the building principal.)

BUSINESS

Accounting

Credit: 1.0

Prerequisite: Minimum Grade of “B” in Personal Finance OR Teacher Approval

Grades: 11-12

This **full semester** course is for students with a career interest in a business-related field. Course content provides an understanding of the basic concepts of double entry accounting systems. Activities include entering transactions into journals, posting to ledgers, end-of-period reports, payroll systems, banking activities, taxes, and inventories. Simulations may be used. Accounting for a service business organized as a proprietorship and accounting for a merchandising business organized as a partnership are studied. Students will also learn about uncollectible accounts, plant assets and depreciation, inventories, notes and interest, accrued revenue and expenses, and distribution of dividends. Accounting for a merchandising business organized as a corporation is also studied.

Introduction to Law

Credit: 0.5

Prerequisite: None

Grades: 11-12

This course covers many features of our legal system including criminal law, civil law, juvenile law, basic contracts, and consumer protection. Students will become more informed citizens by understanding individual rights as well as recognizing responsibilities within our legal system. At the end of the semester students will organize and present their own mock trial for courtroom experience.

Marketing

Credit: 0.5

Prerequisite: None

Grades: 10-12

This course introduces students to the process and functions involved in transferring business products or services to a consumer. Content areas include foundations of marketing; the impact of marketing activities on the individual, business, consumers and their behavior; the influence of external factors on marketing; the elements of the marketing mix, their interrelationships, and how they are used in the marketing process; marketing research in decision making, the marketing plan; competition; promotion; advertising; and product creation.

Microsoft Business Applications

Credit: 0.5

Prerequisite: None

Grades: 9-12

This course emphasizes personal-use skills on the computer using Microsoft Office. Students will review keyboarding by touch and work to build speed and accuracy. This hands-on course will focus on two of the features available using the Microsoft Office Suite as used in a business setting. These programs include Microsoft Word and Excel (spreadsheet). Database and presentation software may also be covered as well as use of Google Docs. This course is absolutely vital for anyone considering a career or further education in business.

Personal Finance (Graduation Requirement)**Credit: 0.5****Prerequisite: None****Grades: 11-12**

This course is designed to help students learn the basic skills needed to live “on your own!” Students will learn how to set up an effective filing system, open and maintain banking accounts, figure simple and compound interest, compare banking services, use electronic banking and other banking services, set goals and establish a budget, keep accurate financial records, save money for long-range goals, establish creditworthiness and a good credit rating, apply for a credit card, buy on an installment plan, obtain a loan, prepare income tax records, prepare for independent living, interpret different types of insurances, how to buy or lease an automobile, rights and responsibilities as a consumer. Students gain hands-on experience by using information from realistic source documents. Students will gather information from the newspapers, the library, the Internet, and businesses in our community.

Yearbook**Credit: 1.0****Prerequisite: Teacher Approval****Grades: 9-12**

Members of this course make up the yearbook staff. The major goal of this course is to produce a printed school yearbook. Students will develop organizational and responsibility skills involved in publishing and meeting deadlines, general yearbook planning, layout and design techniques, desktop publishing programs, and photography. Students will cover all sporting events, musical events, academics, student life, and clubs for pictures and write-ups. Students will assist with pages, headings, pictures, write-ups, proofreading, and sponsorships as necessary. **Students may be required to work after class taking photographs and doing page layouts to meet deadlines as part of their grade.**

Independent Yearbook**Credit: 0.5****Prerequisites: Successful Completion of Yearbook & Teacher Approval****Grades: 9-12**

This course is for independent, self-motivated students who have experience working on the yearbook. Students will be responsible for completion of the yearbook and may be required to work after class taking photographs and doing page layouts to meet deadlines as part of their grade.

Youth Apprenticeship Programs (grades 11 and 12) similar to the Business Education Department. See pages 47-51 for more details.

Finance Youth Apprenticeship**Credit: To be determined by contract****Prerequisites: None****Grades: 11-12****See Youth Options Apprenticeship Procedures on pages 47-51.**

COLLEGE & CAREER READINESS

College and Career Readiness (Graduation Requirement)

Credit: 0.5

Grade: 10

The main focus of this course is to help students set goals for life after high school graduation. Topics include career exploration; employer expectations; teamwork skills; promoting positive relationships; post-secondary options; the job search process; life-long learning; critical thinking; decision making; personal finance; and independent living. Students will use the Career Cruising site to create their College and Career Readiness ePortfolios.

College Success

Credit: 0.5

Grade: 12

This course will provide information and skills for students who wish to improve their college achievement. Many students discover too late that they don't realize what is actually expected by instructors and therefore, they do not plan well enough to accomplish course requirements. Topics include personal responsibility, self-motivation, self-management, self-awareness, effective study and research skills, team building, and self-assessment.

21st Century Communication Skills

Credit: 0.5

Grade: 9-12

The focus of this course is to heighten students' awareness of workplace communication, and add new interpersonal skills, with the end result of becoming a more competent communicator overall. Target areas include: the process and functions of communication, project management, behavioral patterns, perceptions, verbal and nonverbal cues and behaviors, confidence, assertiveness, tact, anger management, criticism and constructive feedback, conflict resolution, team building, leadership, interviewing, and communicating more effectively with technology. This project-based course will rely heavily on technology.

Employability Skills Standards Certificate Program (formerly Work Experience)

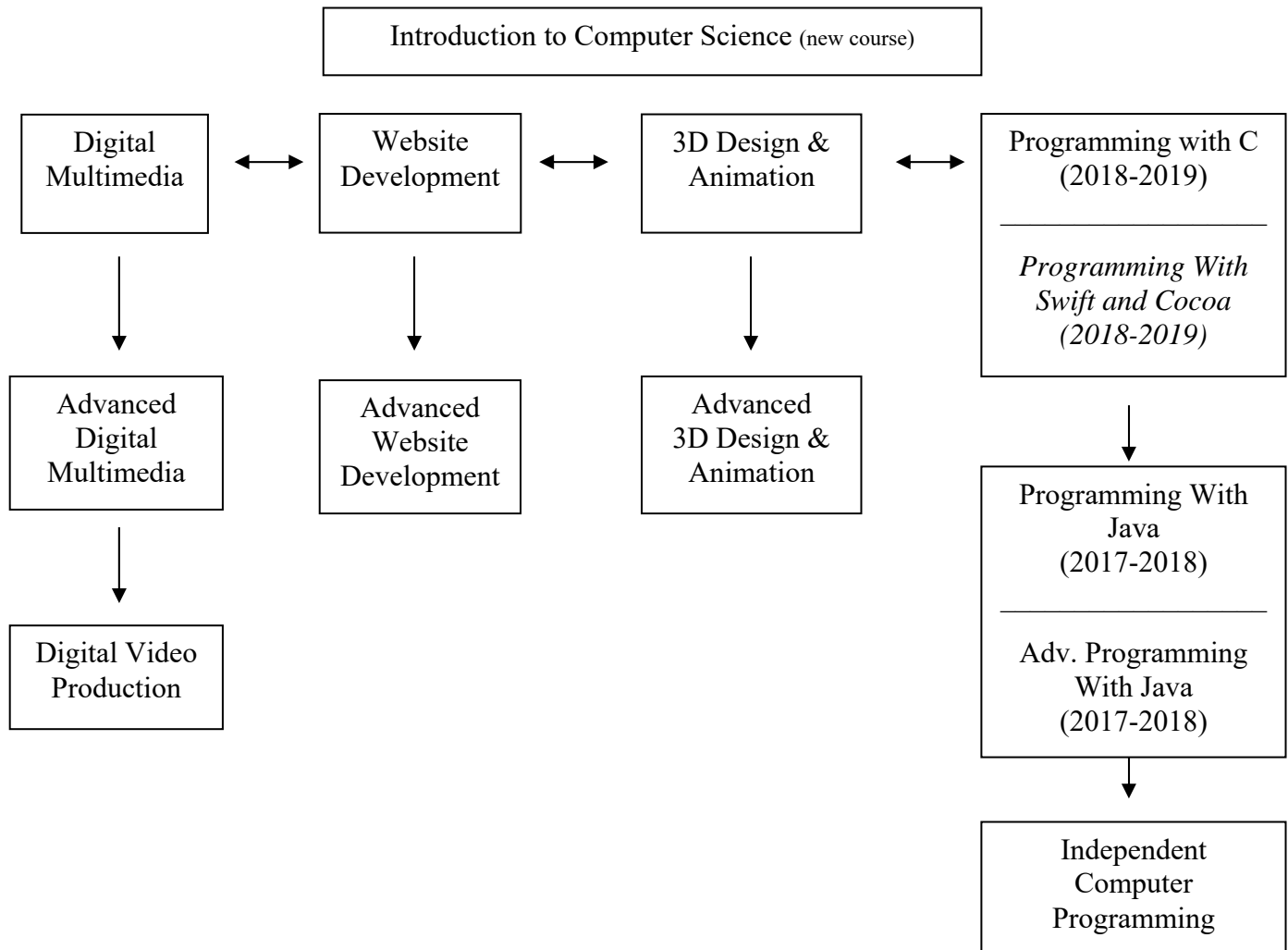
Credit: 0.5

Grades: 12

Seniors wishing to earn an Employability Skills Certificate must see the School to Career Coordinator to apply and to discuss procedures at least two weeks before the start of the quarter in which the work experience is to begin. Students wishing to have Employability Skills during the 1st quarter must list this intention on their course request sheet. Students, parents, and employers will need to sign a training agreement contract. A student transportation agreement must also be signed before a student will be allowed release time from school. These forms must be submitted to the School to Career Coordinator before the start of a new quarter. Students will need to complete weekly reports and meet periodically with the School to Career Coordinator to monitor progress. Students earning credit through work experience will be expected to earn the Department of Public Instruction's Employability Skills Standard Certificate (21st Century Skills), which requires 90 hours of work experience, evaluation and documentation of employability skills, and career exploration. These hours may be obtained through one term containing two blocks of the day **or** through one block of the day over the course of a semester.

COMPUTER SCIENCE

0.5 credit required for graduation



Introduction to Computer Science (Graduation Requirement)

Credit: 0.5

Prerequisite: None

Grades: 9-12

Introduction to Computer Science is specifically designed for 10 kinds of students – Those that know binary and shoes that don't. In other words, this course is designed for you. Find out how computers have changed over time. Learn what makes them work and gain an understanding of how to get them to do what you want them to do. Learn how to think like a computer scientist and write some programs in Python. No matter what career you choose, you are going to be affected by computer technology. Your ability to understand and utilize that technology efficiently will play a large part in determining how successful you will be. Take the mystery out of computer hardware and software. Take Introduction to Computer Science.

3D Design and Animation

Credit: 0.5

Prerequisite: None

Grades: 9-12

You've seen them - "Toy Story 3", "Up", "Wall-E". 3D is all the rage and here is your chance to learn all about how 3D design and animation works. While the projects you will be working on will be quite modest compared to what Pixar is doing, you will gain a much better appreciation for what goes into their creation. You will gain a basic understanding of the skills and techniques employed by 3D designers in a wide range of applications. You will explore basic mesh modeling, applying textures and materials to 3D objects, lighting, animation and rendering. The course isn't all work. We will also examine 3D gaming and create several 3D games. This course should provide a good basis for further independent study in architectural, engineering, and theatrical modeling and game design.

Advanced 3D Design and Animation

Credit: 0.5

Pre-requisite: Successful Completion of 3D Design and Animation

Grades: 10-12

Find out what else is hidden within Blender as we pick up where you left off in 3D Design. Now that you know the basics, we can spend more time on refining your skills, improving textures and lighting and creating more life-like animation. Develop your game idea. Direct your own movie with 3D characters. Create life-like scenes. There's that and a whole lot more!

Digital Multimedia

Credit: 0.5

Prerequisite: None

Grades: 9-12

Explore the fascinating world of digital multimedia. Using image editing software such as Photoshop, Gimp, and iPhoto, students will learn how to take their photos up to the next level. Learn some hints on taking good pictures. Let your creative juices flow as you learn all about vector graphics using Illustrator. Conclude your exploration with a video camcorder. Learn how to edit those film clips into impressive movies and enhance them with the audio editing software of Audacity and GarageBand.

Advanced Digital Multimedia

Credit: 0.5

Prerequisite: Successful Completion of Digital Multimedia

Grades: 9-12

This course begins with a quick review of Photoshop and Illustrator and the introduction of several new topics with those programs. You will then quickly move on to learning how to use advanced video editing software such as Final Cut Express, Adobe Premiere and After Effects. In addition, students will also be introduced to some of the tools in the WDEE studio such as green screen effects, lighting and microphone use. Students will create various types of projects for print, web, and video. Like Digital Multimedia, this course is intensely hands on and emphasizes the "how to" aspects of digital multimedia.

Digital Video Production**Credit: 0.5****Prerequisites: Successful Completion of Digital Multimedia, & Advanced Digital Multimedia****Grades: 10-12**

Digital Video Production provides students with opportunities to learn how to use all of the equipment and software needed to produce a video program. All aspects of video production, from lighting and camera work to sound and on-air personalities will be covered. Students will produce video productions for Deerfield Cable Channel 95, 986, as well as other special projects. Much of the class will be held in the WDEE Cable Studio, with students using the production equipment supplied by WDEE.

Independent Computer Programming**Credit: 0.5****Prerequisites: Teacher Approval & Independent Study Contract****Grades: 10-12**

Students in Independent Computer Programming will work on developing a program of their choosing. Prior to signing up for the course, the student must meet with the instructor to discuss their plans for their program, and then develop a timeline for completion of various aspects of the program.

Website Development**Credit: 0.5****Prerequisite: None****Grades: 9-12**

The Internet is rapidly changing. No longer are web pages filled with static text and a few pictures. Web designers now need to deal with dynamic data, movies, animations and mobile devices. Learn how the Internet works and what elements go into a good website. Construct your own website using HTML, CSS and Javascript. Learn how to use some of the leading software in web design such as Dreamweaver, Fireworks and Aptana Studio 3. Develop your own game using HYML5 and Javascript. You will also be introduced to MySQL and PHP.

Advanced Website Development**Credit: 0.5****Prerequisite: Successful Completion of Website Development****Grades: 10-12**

The static website you created in Website Development was nice, but you need to kick it up a notch. In this course you will get caught up on the latest changes in HTML5 and CSS3, take a deeper look at Javascript, learn how to use various Javascript frameworks, and learn how to use PHP to work with a database like MySQL to create a dynamic website. We will also take a look at web apps and creating websites that work well both on desktop computers and mobile devices.

Programming with Java (Offered 2017-2018)**Credit: 0.5****Prerequisite: Successful Completion of Algebra I OR Teacher Approval****Grades: 9-12**

Learning how to program a computer can be very exciting. It can also be extremely confusing. This course is designed to keep the confusion to a minimum and the excitement to a maximum. Students will learn how to use a number of programming tools. Using simple examples, students will quickly be writing desktop applications and web applets. The best way to learn programming is to practice programming, so lectures are kept as short as possible, thus allowing students a lot of time to work on the computer.

Advanced Java Programming (Offered 2017-2018)**Credit: 0.5****Prerequisite: Successful Completion of Programming with Java****Grades: 9-12**

This course continues your journey into programming with the Java language. Learn how to use file input and output, sound and animation. Projects are fewer in number, but more complex, culminating with creating a simple game.

Programming With C (Offered 2018-2019)**Credit: 0.5****Prerequisite: Successful Completion of Algebra I OR Teacher Approval****Grades: 9-12**

Some of the most famous programs ever written used C. In this course you will be introduced to the C language, covering such topics as variables, math, string manipulation, sorting and searching, and reading and writing files. You will learn how to use the Xcode IDE as well as other important programming resources.

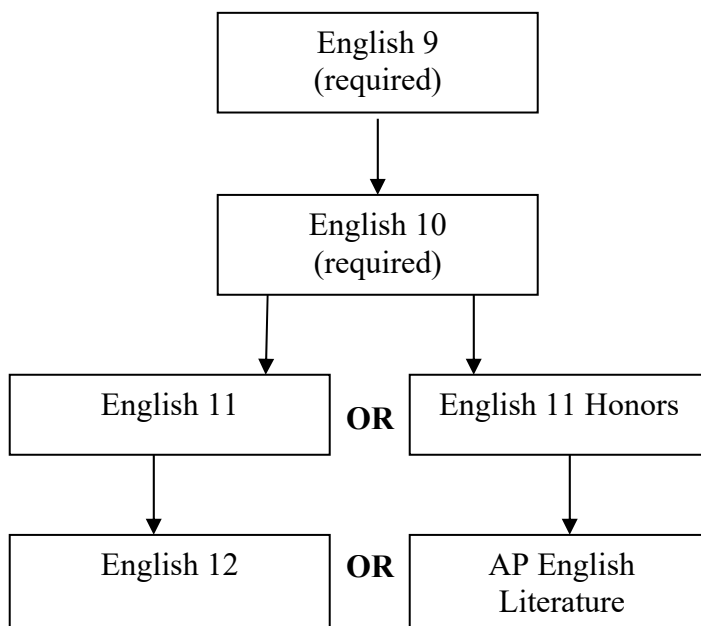
Programming With Swift and Cocoa (Offered 2018-2019)**Credit: 0.5****Prerequisite: Successful Completion of Programming with C****Grades: 9-12**

Using what you learned about C, you will quickly pick up the Swift language and be writing programs using Cocoa. Programs developed in this course will be full-featured programs with menus, windows and full graphical user interfaces. Students will also have an opportunity to develop applications that could be used on an iPhone or iPad.

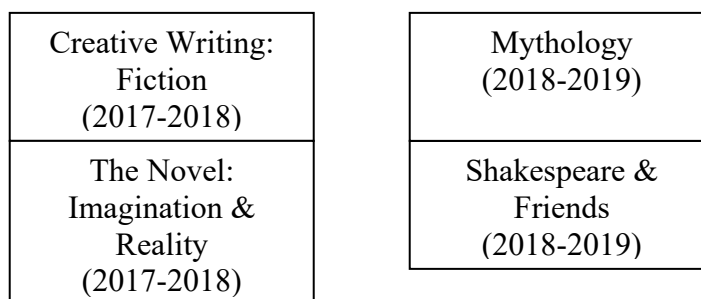
ENGLISH

4.0 credits required for graduation

Required



Electives



English 9 (Graduation Requirement)

Credit: 1.0

Prerequisite: None

Grade: 9

This course introduces students to a variety of literature, including fiction, nonfiction, poetry and drama. In addition, students will be exposed to a range of literary elements and given the technical language necessary to exercise and communicate careful readings of each text. The course also addresses Standard English grammar and usage, including parallel structure, types of phrases and clauses and how they add variety and interest to writing. Essay types include argumentative, informative and persuasive.

English 10 (Graduation Requirement)

Credit: 1.0

Prerequisites: Successful Completion of English 9

Grade: 10

This course emphasizes writing through the use of various texts. Students will write 4-5 formal essays and a research paper. Through the writing process students will continue to improve on the conventions of the English language. Students will also read a variety of literature, including short stories, nonfiction plays, and novels.

English 11 (Graduation Requirement OR English 11 Honors)**Credit: 1.0****Prerequisites: Successful Completion of English 9, & English 10****Grade: 11**

This course requires critical reading and evaluation of a variety of literature, including short stories, poetry, drama, and novels from American and multicultural sources. Reading skills in terms of appreciation, drawing inferences, and interpreting meaning will be emphasized. Students will be asked to produce analytical writings in response to the literature read, as well as further develop writing skills from English 9 and English 10. Effective speaking and listening techniques will also be incorporated into the curriculum.

English 11 Honors (required for AP English)**Credit: 1.0****Prerequisites: Successful Completion of English 9, English 10 & Teacher Approval****Grade: 11**

This is a survey of English literature and American literature including period style and historical context. Literature assigned will be used as a catalyst to teach critical reading and writing skills. This is a rigorous course for students planning to attend a four-year college or university. This course will provide a survey of English literature including period style and historical context. Literature assigned will be used as a catalyst to teach critical reading and writing skills.

English 12 (Dual credit with Madison College, Graduation Requirement OR AP English Lit)**Credit: 1.0****Prerequisites: Successful Completion of English 9, English 10 & English 11****Grades: 12**

This course teaches students the skills needed to approach, navigate, and comprehend their course textbooks as well as the other college-level readings (essays, articles, arguments, documents, etc.) that they will encounter. Students will also develop their grammatical competence and writing style. They will acquire writing process awareness, self-advocacy skills for understanding and managing assignments, and information literacy skills.” If students earn a C or better, they will earn six credits from Madison College and are eligible to take any course that requires a minimum COMPASS Reading Score of 80 and can enter English 1, a college composition course.

AP English Literature (Advanced Placement)**Credit: 1.0****Prerequisites: Successful Completion of English 9, English 10, English 11 Honors, & Teacher Approval****Grades: 12**

In the AP English course, students are engaged in the careful reading of literary works. Through such study, they sharpen their awareness of language, develop critical standards for the independent appreciation of any literary work, and they increase their sensitivity to literature as shared experience. The AP English course allows students the opportunity to take the AP exam and with the goal of earning college/university credit. Academic analytical writing and preparation for the national AP exam are included.

***Students that take this course are strongly encouraged to take the AP English Literature exam as well as the AP Language and Composition exam (as the writing requirements of the literature course prepare students for both exams).**

***All AP exams take place in early May. Cost is about \$90 per test.**

***Specific information may be found at www.apcentral.collegeboard.com**

The Novel and Critical Theory (Offered 2017-2018)**Credit: 0.5****Prerequisites: Successful Completion of English 9 & English 10****Grades: 11-12**

This class pulls English reading selections firmly into the present. No more Shakespeare or authors from the early 1900's. Students will read 3 current novels and one additional novel of their choice. They will also learn about various literary criticism techniques such as formalism, reader response, feminism, Marxism, and more. This course aims to open up student thinking to consider different perspectives on the world around them through reading accessible current novels

Shakespeare & Friends (Offered 2017-2018)**Credit: 0.5****Prerequisites: Successful Completion of English 9 & English 10****Grades: 11-12**

This course focuses on Shakespeare, including a minimum of two plays and several sonnets, but will also feature the short prose and poetry of Shakespeare friends, foes, look-alikes, and followers. Take the class and get a closer look at Shakespeare and what he has inspired in the history of literature! Although readings will range from the 16th to 18th century, students can expect all texts to be, let's say it: old! In addition to familiarizing students with classical authors, forms, and ideas, the class will sharpen students' critical reading and writing skills by providing ample opportunity to analyze, discuss, and write about complex texts.

Creative Writing: Fiction (Offered 2018-2019)**Credit: 0.5****Prerequisites: Successful Completion of English 9 & English 10****Grades: 11-12**

This course will provide students the opportunity to practice various creative writing techniques, focusing on the genres of short story and creative non-fiction. Students will produce and revise work on a regular basis and critique other students' work. Students will have the opportunity to submit work and attend the day-long High School Creative Writing Festival at UW-Whitewater.

Mythology (Offered 2018-2019)**Credit: 0.5****Prerequisites: Successful Completion of English 9 & English 10****Grades: 11-12**

Because so much Western literature contains allusions to or is based on classical mythology, this English course provides students with a general introduction to the mythology of Greece and Rome. In addition to readings, tests, and projects based on the text, Sophocles' Oedipus Cycle trilogy is studied, and students do two independent projects: a formal paper comparing classical mythology to another culture's mythology and a final project that demonstrates knowledge gained in the course. Although this is a college-preparatory course that complements A.P. English, any junior or senior with a strong interest in mythology is encouraged to enroll.

FAMILY AND CONSUMER SCIENCES

Assistant Child Care Teacher

Credit: 0.5

Prerequisite: Successful Completion of Children and Parenting

Grades: 11-12

This hands-on course prepares students for potential careers in the child care industry or for professional or technical careers involving children. Course content focuses on interacting with children and exploring the classroom environment. Students will gain first-hand experience working with children through volunteer activities. Students may need to pay for a background check to be able to be in childcare placements. Upon successful completion of this class, students will be DPI certified to work as an Assistant Child Care Teacher in a child care center or preschool. *Must be at least 17 years old, receive at least a "C" grade and have an 85% attendance rate for DPI certification.*

Children and Parenting

Credit: 0.5

Prerequisite: None

Grades: 9-12

This course examines decisions involved in parenting. Students learn about types of parenthood, the role of families, rewards and responsibilities of parenthood, special challenges of teenage pregnancy, and an overview of parenting skills. Also included is information about reproduction, pregnancy, and the development of the fetus through birth and infancy. This course is strongly recommended for students going into healthcare or some type of work with people.

Foods I

Credit: 0.5

Prerequisite: None

Grades: 9-12

This course explores the areas of nutrition, consumer skills, meal management, and food preparation. Course content includes safe and healthful food decisions, planning and preparing meals safely, an appreciation of food diversity, and careers available in foods and nutrition.

(There is a \$25 fee. Students not able to afford the cost should contact the building principal.)

Foods II

Credit: 0.5

Prerequisite: Successful Completion of Foods I

Grades: 9-12

This course explores the following areas of food preparation: fruits, vegetables, grain products, dairy foods, and eggs. Various cooking method and food preparation techniques are explored. Students will prepare and sample foods of the United States and Canada.

(There is a \$25 fee. Students not able to afford the cost should contact the building principal.)

Foods III**Credit: .05****Prerequisite: Successful Completion of Foods I & II (Foods I required, Foods II recommended)****Grades: 10-12**

This course continues exploring the healthy areas of diets/weight management, cooking for families, cooking for holidays, regional and foreign food preparation, customs and traditions.

(There is a \$25 fee. Students not able to afford the cost should contact the building principal.)

Hospitality Careers**Credit: 0.5****Prerequisite: None****Grades: 9-12**

This course is designed to help students in grades 9-12 explore the many and varied careers available in the Hospitality & Tourism industry. The course focuses on the four pathways of the Hospitality & Tourism cluster: Restaurant & Food/Beverages, Lodging, Travel & Tourism, and Recreation, Amusement & Attractions. Through the exploration of these careers, students will learn about the skills and knowledge needed to be successful in this industry. Students will prepare and sample foods related to various restaurant themes and menu themes throughout the course. Serving food and table etiquette will also be covered in class.

(There is a \$25 fee. Students not able to afford the cost should contact the building principal.)

Housing and Interior Design**Credit: 0.5****Prerequisite: None****Grades: 9-12**

This course will include the study of the history of housing and furnishings and provides students with guidelines for selecting a place to live. Developing creative interiors through the study of color, design, furniture selection, and arrangement will be included. Students will complete home design and furnishing projects.

Sewing I**Credit: 0.5****Prerequisite: None****Grades: 9-12**

Students will explore fabrics, design elements and basic construction techniques in this introductory sewing course. Students will learn the parts and operation of the sewing machine, patterns and notions, construction methods and care of clothing and sewing projects throughout the course. Related careers will be discussed. Learning to read directions and following a pattern are important aspects of this class.

Student must provide material, patterns, and sewing equipment for the construction of selected projects.

Textile Arts**Credit: 0.5****Prerequisite: None****Grades: 9-12**

This course involves the creative use of textiles, fibers, fabrics, yarns and threads for the completion of several projects. Students make samples as an introduction to basic techniques and then advance to individual projects using the techniques they have been taught. Possible units include learning how to knit, crochet, cross-stitch, needlepoint, embroider and quilt. Learning to read directions and following a pattern are important aspects of this class. **Students must purchase packaged kits and provide materials to construct a crochet, a knit, and an independent project.**

Deerfield Elementary School Mentor (DES Mentor)**Credit: 0.5 Pass/Fail Grade - Determined by Assigned Elementary Teacher(s) Advisor****Prerequisite: Mentor Contract, Child and Parenting Course or Red Cross "Baby Sitting" Certification****Grades: 10-12**

This is an opportunity for students interested in a career in education to be involved as a mentor to elementary students. Students are assigned to classrooms and may work with individual, small group, or other classroom assistance. Room assignments are made by the building principal and are assigned at the beginning of each quarter. Students can discuss this option with the guidance counselor and pick up a contract in the Student Services Office

Youth Apprenticeship Programs (grades 11 and 12) similar to the Family and Consumer Sciences Department.**See pages 47-51 for more details.****Hospitality and Tourism Youth Apprenticeship****Credit: To be determined by contract****Prerequisites: None****Grades: 11-12****See Youth Options Apprenticeship Procedures on pages 47-51.**

FOREIGN LANGUAGE

2.0 credits recommended

Spanish I

Credit: 1.0

Prerequisites: None

Grades: 9-12

This introductory language course will offer students the opportunity to develop the four basic skills of language: speaking, reading, listening, and writing. Students will learn how to interact with each other; use the present tense of verbs; describe personal characteristics; and explore other topics such as food, time, clothing, and weather. At this level, students will also be exposed to the culture of some Spanish-speaking countries.

Spanish II

Credit: 1.0

Prerequisites: Successful Completion of Spanish I

Grades: 9-12

This course will begin with a review of material from the previous year. Students will then be introduced to the preterit and imperfect tenses of verbs, with an emphasis on oral communication. Students will be able to narrate events that happened in the past and describe their childhood. Through dialogues, conversations, presentations, reading, and writing, students will continue to develop their speaking, reading, listening, and writing skills. Students will continue to be exposed to the culture of Spanish-speaking countries.

Spanish III

Credit: 1.0

Prerequisites: Successful Completion of Spanish I & II

Grades: 10-12

This course will begin with a review of material from the previous year. Students will focus on compound verb tenses and advanced tenses such as the subjunctive. Focus will be placed upon developing confidence in speaking and writing abilities and upon personal expression. Conversations, dialogues, presentations, and compositions will allow students to show evidence of their progress. Students will also improve their reading and interpretational skills through increased exposure to readings and literature. Exposure to the culture of Spanish-speaking countries will continue at this level.

Spanish IV

Credit: 1.0

Prerequisites: Successful Completion of Spanish I, II & III

Grades: 11-12

This course will continue to review and build upon the previous three levels. Emphasis will be placed upon more difficult concepts and the student's ability to communicate effectively in the target language. Literature will play a more important role in the classroom, stimulating discussion and interpretational skills.

HEALTH

0.5 credit required

Health 9 (Graduation Requirement)

Credit: 0.5

Prerequisite: None

Grades: 9

In this course, students will address the major issues that concern today's teens and will be given strategies to help them take control of their future. Students will build the skills necessary to help lead a healthy life and make positive life choices. Units of study include Health and Wellness, Making Healthy Decisions, Managing Mental and Emotional Health, Stress Management, Nutrition, Responsible Eating, Conflict Management and Preventing Abuse and Violence, Medicine and Illegal Drugs, Sexually Transmitted Infections, and HIV/AIDS.

Contemporary Health Issues

Credit: 0.5

Prerequisite: Successful Completion of Health 9

Grade: 10-12

This course is an extension of the freshman health course, and is recommended for juniors and seniors. This course has a greater focus on and is designed to assist students in obtaining accurate information, developing lifelong positive attitudes and behaviors, and making wise decisions related to their personal health. Study and topics may include, but are not limited to, personal and community health; illness and disease prevention, mental, emotional, and social health; injury prevention and safety; nutrition and physical activity; alcohol, tobacco, and other drugs; growth, development, and sexual health, along with health careers, and physical fitness after high school. Central themes are the acceptance of personal responsibility for lifelong health, respect for and promotion of the health of others, an understanding of the process of growth and development, and informed use of health-related information, products, and services.

**Youth Apprenticeship Programs (grades 11 and 12) similar to the Health Department.
See pages 47-51 for more details.**

Health Youth Apprenticeships

Credit: To be determined by contract

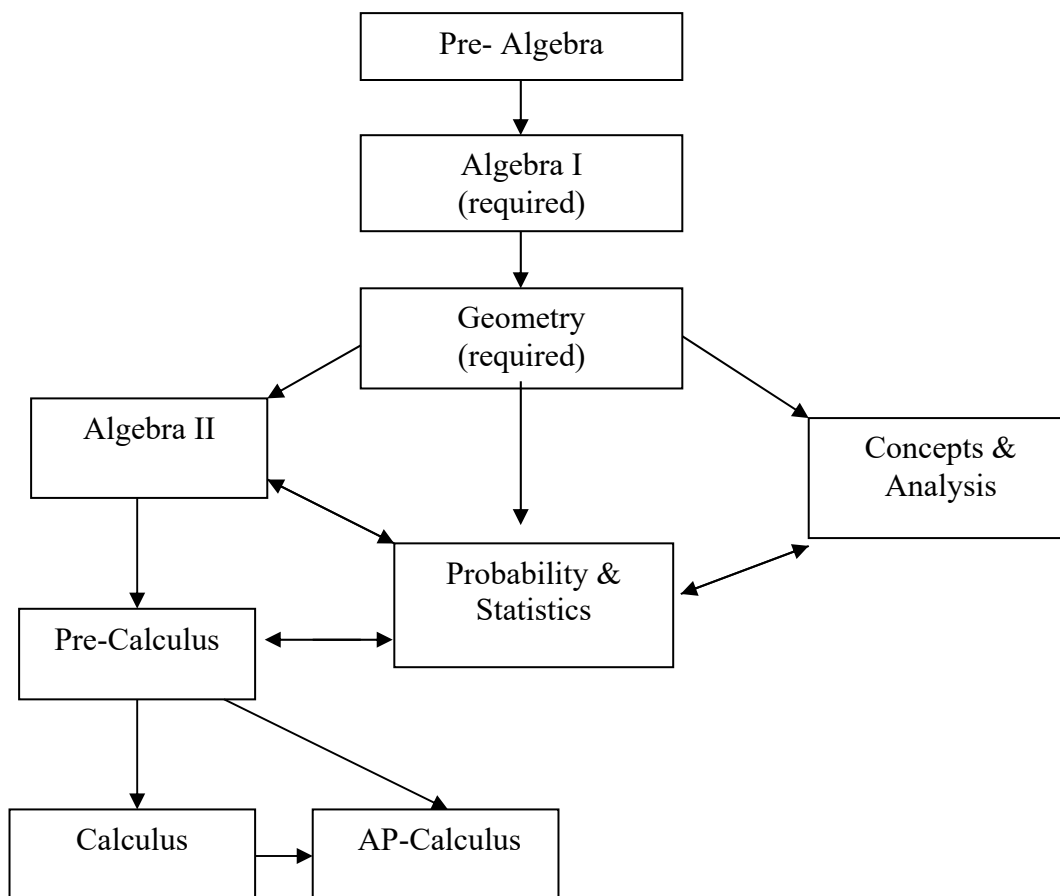
Prerequisites: C or better in BOTH Biology & Human Anatomy. 80 or better on COMPASS Reading Test.

Grades: 11-12

See Youth Options Apprenticeship Procedures on pages 47-51.

MATHEMATICS

3.0 credits required



**If planning on taking higher level math (Algebra II or higher), it is recommended that students buy a graphing calculator (TI-83 or TI-84).*

Pre-Algebra

Credit: 1.0

Prerequisite: None

Grade: 9

This course will focus on working with all kinds of numbers and developing a comfort in performing any operation on any type of number in order to be ready for Algebra 1. **Students must have a scientific calculator (TI-30X or similar).**

Algebra I (Graduation Requirement)**Credit: 1.0****Prerequisite: None****Grades: 9-10**

This course deals with basic concepts of algebra including variables, equations, inequalities, functions, graphing, and simple polynomials. These topics are integrated with geometry, probability, and statistics in a variety of problem-solving applications. **Students must have a scientific calculator (TI-30X or similar).**

Geometry (Graduation Requirement)**Credit: 1.0****Prerequisite: Successful Completion of Algebra I****Grades: 9-12**

This course is a study of logic and spatial relationships. Topics include definitions and theorems, logic and proofs, 2-D and 3-D figures and their properties, areas, and surface areas, and a variety of problem solving applications. **Students must have a scientific calculator (TI-30X or similar).**

Concepts & Analysis**Credit: 1.0****Prerequisites: Successful Completion of Algebra I & Geometry****Grades: 11-12**

This course is recommended for students interested in attending a technical college. This course will help improve algebra skills in preparation for higher level mathematics. Topics will include linear models, systems of equations, inequalities, and quadratics. Successful completion of this course may lead to dual credit with MATC and Deerfield HS. **Students must have a scientific calculator (TI-30X or similar).**

Algebra II**Credit: 1.0****Prerequisites: Successful Completion of Algebra I & Geometry****Grades: 10-12**

This course is recommended for students seeking to go into a math related field or interested in taking Pre-Calculus. Topics will include linear and quadratic functions, systems of equations, functions (polynomial, rational, exponential and logarithmic), trigonometry and analytical trigonometry. Algebra II is a common requirement for 4 year college/university entrance. **Students must have a graphing calculator (TI-83 or TI-84).**

Probability and Statistics**Credit: 1.0****Prerequisites: Successful Completion of Algebra I & Geometry****Grades: 11-12**

This is an introductory course covering sampling and randomness, measures of central tendency and variation, probability, probability distributions, problem solving, and the role of statistics in society. **Students must have a graphing calculator (TI-83 or TI-84).**

Pre-Calculus**Credit: 1.0****Prerequisites: Successful Completion of Algebra I, Geometry & Algebra II****Grades: 11-12**

This course will have a strong emphasis on functions, limits, and an intro to differentiation. This course prepares a student to take Calculus. This course is highly recommended for students interested in math, science, or engineering careers. **Students must have a graphing calculator (TI-83 or TI-84).**

Calculus**Credit: 1.0****Prerequisites: Successful Completion of Algebra I, Geometry, Algebra II & Pre-Calculus****Grades: 11-12**

This course will cover the basics of derivatives and integrals along with applications, limits, continuity, and differential equations. This course is highly recommended for students interested in math, science, or engineering careers. **Students must have graphing calculator (TI-83 or TI-84).**

AP Calculus AB (Advanced Placement)**Credit: 1.0****Prerequisite: Successful Completion of Algebra II, & Pre-Calculus, teacher approval (if Grade 11)****Grades 11-12**

“AP Calculus AB is primarily concerned with developing understanding of the concepts of calculus including limits, derivatives and integrals as well as providing experience with its methods and applications. This course uses a multi-representational approach to calculus, with concepts being expressed graphically, numerically, and verbally.” College Board

Calculus is recommended as a prerequisite, but not required. **Students must have graphing calculator (TI-83 or TI-84).**

***All AP exams take place in early May. Cost is about \$90 per test.**

***Specific AP information may be found at www.apcentral.collegeboard.com**

MUSIC

Band

Credit: 0.5 (every other day opposite Choir) or 1.0 (every day)

Prerequisite: None

Grades: 9-12

This course is taught through the student's attempt to master his or her instrument and the subsequent preparation and performance of band music. Band meets primarily as a concert band, studying and playing music from all times and styles. The Band also performs as a marching band, a pep band, and in various smaller ensembles. Students are required to attend performances outside of the regular school day as part of their grade.

Concert Choir

Credit: 0.5 (every other day opposite Band) or 1.0 (every day)

Prerequisite: None

Grades: 9-12

This course is for anyone interested in singing. Students will concentrate on learning basic reading skills, learning how to hear and sing harmony while studying various types of music. Students are required to attend performances outside of the regular school day as part of their grade.

Theater Arts (Previously Drama I and II)

Credit: 0.5

Prerequisite: None

Grades: 9-12

Students will perform parts of plays for the class and will execute projects that relate to other aspects of theater including acting, directing, choreographing, auditioning, costume design, set design and construction, play reading and analysis, and much more.

Music Appreciation

Credit: 0.5

Prerequisite: None

Grades: 9-12

This course takes a broad look at music through the eyes of different cultures, traditions, technology, careers and histories. Students will survey music and its role in our lives as well as actively study who we are as human beings and how we express ourselves through music. This course involves weekly projects.

Music Technology I

Credit: 0.5

Prerequisite: Ability to read music, play an instrument, and/or sing

Grades: 10-12

In this course students will learn the science of sound recording and recording technology using professional recording equipment. Students will become proficient users of the Music Technology Lab, including microphones, soundboards, and computer workstations. Students will produce their own recordings projects. Some of the topics covered are sound acoustics, microphones and speakers, recording techniques, digital music creation through computer sequencing and sampling, and possible careers in the music industry. **Class size is limited.**

Music Technology II**Credit: 0.5****Prerequisite: Music Technology I, Teacher Approval, (and Music Theory *Recommended*)****Grades: 11-12**

This course is a continuation of Music Technology I. Going into more depth and detail of topics previously explored, it will also focus on ways in which technology can help students compose and create their own music. **Class size is limited.**

Music Theory**Credit: 0.5****Prerequisite: Concurrent with Band or Choir****Grades: 9-12**

This course takes an in-depth look at theory in music. Students will gain a better understanding of the language of music whether they are a listener or performer. Material covered will include reading and notating notes and rhythms, chords, transposition, and analysis of form.

Show Choir – “0” hour (7:00 – 7:45 A.M.)**Credit: .75 (3 days a week/all year)****Prerequisite: Audition in spring of previous year, concurrent enrollment in Concert Choir.****Grades: 9-12**

In this course, students will work on various styles of music, including dance routines that are done with the vocals. Students are required to attend various performances and community service projects outside the regular school day. Night and weekend obligations and rehearsal are rare but may be necessary. Students must arrange for transportation to be at school by 7:00am.

Treble Choir – “0” hour (7:00 – 7:45 A.M.)**Credit: .50 (2 days a week/all year)****Prerequisite: Audition in spring of previous year, concurrent enrollment in Concert Choir****Grades: 9-12**

This course is designed for altos and sopranos only. Similar to Show Choir, students will work on various styles of music, including dance routines that are done with the vocals. Students are required to attend various performances and community service projects outside the regular school day. Night and weekend obligations and rehearsal are rare but may be necessary.

Students must arrange for transportation to be at school by 7:00am.

PHYSICAL EDUCATION

1.5 credits required

(P.E. courses must be taken during different years to count toward graduation requirements)

Physical Education 9 (Graduation Requirement)

Credit: 0.5

Prerequisite: None

Grades: 9

This course is required for students in the 9th grade. Students will have the opportunity to participate in a variety of team and individual sports and activities including, but not limited to: lawn & leisure games, softball, fitness walking, volleyball, eclipseball, pickleball, badminton, basketball, floor hockey, dance, weight training, Dance Dance Revolution, racquetball, bowling, and more! In addition, students will continue to use FITNESSGRAM to test the 5 areas of health-related fitness including: Muscular Strength, Muscular Endurance, Cardiovascular Endurance, Flexibility, and Body Composition. *(There will also be a \$20.00 field trip fee per student. Students not able to afford the cost should contact the building principal.)*

Physical Education 10

Credit: 0.5

Prerequisite: Successful Completion of PE 9

Grades: 10

This course will expose students to a wide variety of activities that will promote lifetime fitness and recreational opportunities. This course will focus on the basic fundamentals, skills, rules and etiquette necessary to be successful in each activity. Students may be participating in the following activities: flag football, bowling, softball, soccer, lawn games, ultimate frisbee, archery, badminton, volleyball, racquetball, cooperative games, pickleball, fitness, dance, floor hockey, basketball and weight training. In addition, students will continue to use FITNESSGRAM to test the 5 areas of health-related fitness including: Muscular Strength, Muscular Endurance, Cardiovascular Endurance, Flexibility, and Body Composition. *(There will be a \$20.00 field trip fee per student. Students not able to afford the cost should contact the building principal.)*

Outdoor Adventure & Team Activities

Credit: 0.5

Prerequisite: Successful Completion of PE 9

Grades: 10-12

1X MAXIMUM – Due to availability, students may only take this course a maximum of one time, additional participation would require prior teacher approval. This course will have students exploring ways to enhance fitness while participating in adventure-based education activities. Through class activities, students will develop communication, problem solving, team building, and leadership skills. Students may take part in the following activities: orienteering, geocaching, lawn games, swimming, archery, biking, and cooperative games. Students will also learn about wilderness survival, first-aid, lifesaving skills, and outdoor cooking and camping. *(There will also be a \$35.00 field trip fee per student. Students not able to afford the cost should contact the building principal.)*

Team/Individual Sports**Credit: 0.5****Prerequisite: Successful Completion of PE 9 & one additional PE course****Grades: 11-12**

This course is designed to offer a wide variety of lifetime activities that will promote fair competition and sportsmanship. Skills and fundamentals will be addressed. The focus will be on rules, advanced strategies and teamwork. Students may be involved in the following activities: bowling, flag football, ultimate frisbee, soccer, softball, speedball, basketball, badminton, pickleball, racquetball, lawn games, eclipseball, floor hockey, volleyball, kickball and dodgeball. In addition students will be learning about and making strength and conditioning fitness plan that will be implemented throughout the class. *(There will also be a \$25.00 field trip fee per student. Students not able to afford the cost should contact the building principal.)*

Total Body Challenge**Credit: 0.5****Prerequisite: None****Grades: 9-12**

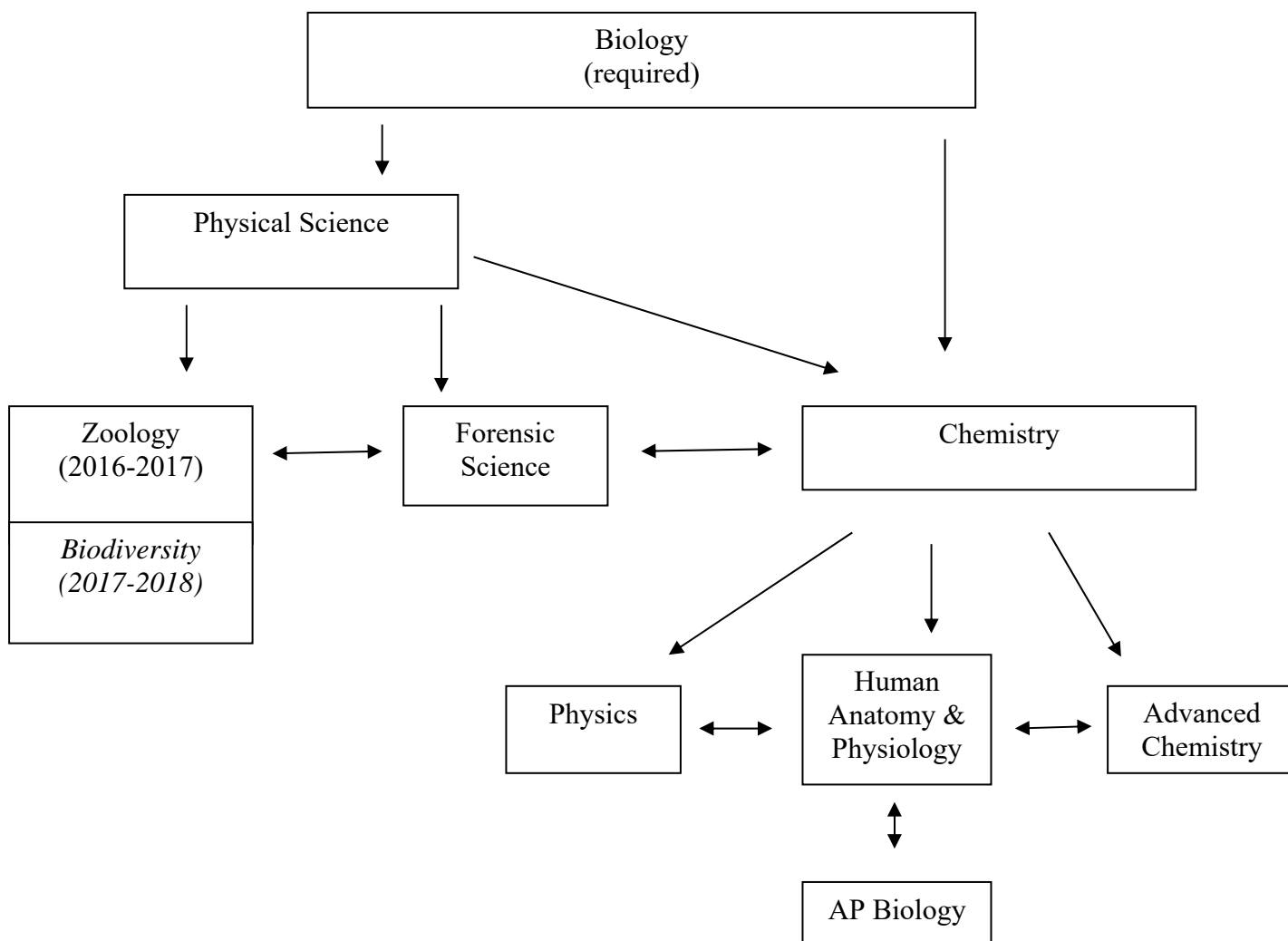
2X MAXIMUM– Due to availability, students may only take this course a maximum of two times. In this course, students will have the opportunity to be a part of a fast, fat-burning, body toning work-out. Total Body Challenge is designed to suit all students and fitness levels. By using adjustable weight barbells and hand-held dumbbells, students will do weight bearing exercises 3 times per week such as squats, lunges, presses, and curls that will target all the major muscle groups in the body. Off days will be used for speed, agility, flexibility, and endurance training. Students will also have the opportunity to participate in Zumba Dance, Kick-Boxing, Step-Aerobics, Rest & Relaxation, and Circuit Stations. Students taking this course must be motivated, dedicated, determined, and willing to work together as a group to help everyone reach their goals and find success

Sports Officiating, Coaching, and Current Events**Elective Credit: 0.5****Prerequisite: None****Grades: 11-12**

This is a classroom course NOT an activity class and does NOT count toward the 1.5 PE credits required to graduate. This course is designed to empower students with officiating knowledge, skills and techniques necessary to gain certification by the Wisconsin High School Athletic Association (WIAA). Officiating other physical education classes, out of class observation, attendance, and learning experiences are required as well. Students will also have the opportunity to study and learn about coaching at all levels. Current events and hot topics as it relates to the world of sports will also be included. *(There is a \$20 field trip and materials fee for this course.)*

SCIENCE

3.0 credits required



Biology (Graduation Requirement)

Credit: 1.0

Prerequisite: None

Grades: 9

This course will uncover the science of cells, genes, energy, and evolution. Through questioning, critically thinking, and interpreting information, students will engage in the scientific process and learn scientific literacy skills.

Chemistry

Credit: 1.0

Prerequisite: Successful Completion of Biology & Algebra I

Grades: 10-12

This course begins with a study of scientific methodology and measurement applied to a review of chemical and physical properties. Lab investigations introduce and reinforce content knowledge. Students in introductory chemistry are expected to demonstrate intellectual curiosity, academic maturity and a willingness to work in a cooperative, investigative classroom environment. **Scientific or graphing calculator is required.**

Advanced Chemistry**Credit: 1.0****Prerequisite: Successful Completion of Chemistry****Grades: 10-12**

In this course, students who have demonstrated high levels of interest and success in Chemistry are provided with an opportunity to extend their understanding of chemistry. Topics include the chemistry of gases, molecular structure, acids and bases, solutions, and molecular interactions. All students interested in pursuing college-level chemistry (particularly those who may be considering careers in health-related professions) are strongly encouraged to take both Chemistry and Advanced Chemistry. **Scientific or graphing calculator is required.**

Forensic Science**Credit: 1.0****Prerequisite: Successful Completion of Biology & Physical Science OR Chemistry****Grades: 10-12**

This course explores the science behind crime scene investigation. Students will learn how chemistry, physics, biology, and earth science are applied to forensics by studying DNA, documents, trace evidence, fingerprints, bones, toxicology, and much more. In addition, students will explore careers in forensic science and sharpen their deductive reasoning skills by solving mysteries throughout the course.

Human Anatomy & Physiology**Credit: 1.0****Prerequisite: Successful Completion of Biology & Chemistry****Grades: 11-12**

In this course, students will journey through the human body's structure and function. From the smallest cells to the largest organs, students will learn about themselves from the inside out. Come and investigate what it means to be human, and find out how you tick!

Physical Science**Credit: 1.0****Prerequisite: Successful Completion of Biology****Grades: 10-12**

Designed as a survey course, physical science explores the properties of matter, electricity, magnetism, waves, sound, and light. The course will also build students' skills in scientific analysis and techniques, and will include many applications of science to the world around us.

Physics**Credit: 1.0****Prerequisite: Successful Completion of Biology, Algebra II & Chemistry****Grades: 11-12**

The course deals with the natural laws and processes of the physical universe. Topics include velocity, acceleration, forces, energy, momentum, heat, and circular motion. Wave phenomena and electromagnetic radiation may also be explored. **Scientific or graphing calculator is required.**

Biodiversity (Offered 2017-2018)**Credit: 1.0****Prerequisite: Successful Completion of Biology****Grades: 10-12**

Our planet has such a wealth of Biodiversity that scientists believe that species go extinct before we can discover them! In this course, students will journey through this fantastic diversity of living things and how they are ecologically dependent on each other. From ancient archaea to fungi, from plants to amazing animals, students will study how we are all unique, yet so alike. Scientific literacy skills and interpretation of data skills are a crucial part of this course.

AP Biology (Advanced Placement)**Credit: 1.0****Prerequisite: Biology required, Chemistry and Human Anatomy & Physiology recommended)****Grades 11-12**

“Learn about the core scientific principles, theories, and processes governing living organisms, biological systems, and natural phenomena. Understand key science practices you can use to develop explanations and predictions of natural phenomena, which you will test and refine through laboratory investigations. Develop advanced reasoning and inquiry skills as you design experiments, collect and analyze data using mathematics and other methods, and interpret that data to draw conclusions.” (College Board)

***All AP exams take place in early May. Cost is about \$90 per test.**

Zoology (2018-2019)**Credit: 1.0****Prerequisite: Biology and Physical Science OR Chemistry****Grades: 10-12**

This course provides students a chance to experience the science of the animal kingdom. Students can expect a variety of classroom topics including: principles of evolutionary relationships, homeostasis and body systems, animal surveys and interpretation of data skills. Representative types of animal life will be dissected.

Youth Apprenticeship Programs (grades 11 and 12) similar to the Science Department.

See pages 47-51 for more details.

Biotechnology Youth Apprenticeship**Credit: To be determined by contract****Prerequisites: B or better in BOTH Biology and Chemistry, interest and aptitude in biotechnology field, and Teacher Recommendation****Grades: 11-12**

See Youth Options Apprenticeship Procedures on pages 47-51.

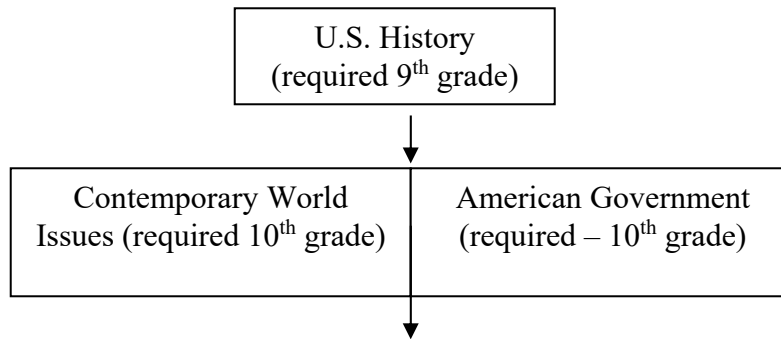
Veterinary Technician Youth Apprenticeship**Credit: To be determined by contract****Prerequisites: C or better in Biology, Chemistry & Algebra I, the following COMPASS test scores: Reading 80, Writing 69, EWrite 6, Algebra 40****Grade: 12**

See Youth Options Apprenticeship Procedures on pages 47-51.

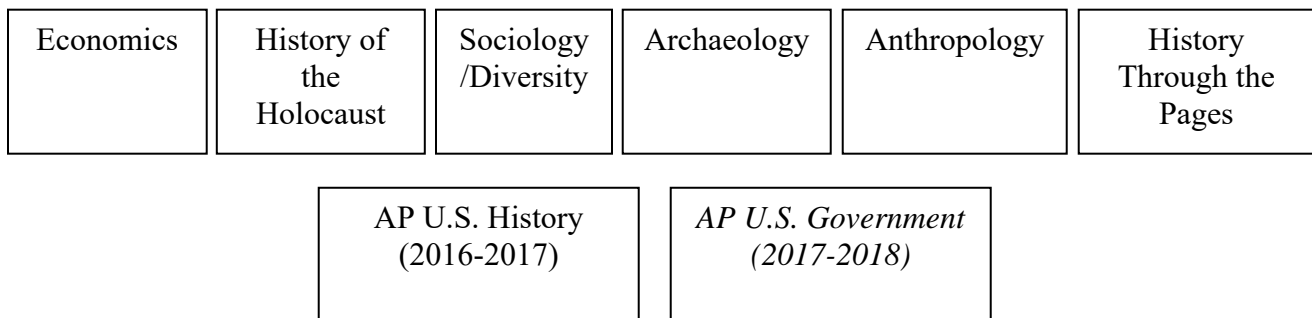
SOCIAL STUDIES

3.0 credits required

Required



Electives



U.S. History (Graduation Requirement)

Credit: 1.0

Prerequisite: None

Grade: 9

This course will focus on United States History throughout the 20th century. Students will review major events prior to the 20th century and investigate historical, cultural, political, economic, and institutional influences. Some areas of study will include the Progressive Movement, the Roaring Twenties, WWI, the Great Depression, WWII, the Cold War, the Civil Rights Movement, Vietnam and present-day issues and conflicts.

Contemporary World Issues (Graduation Requirement)

Credit: 1.0

Pre-requisites: Successful Completion of US History

Grade: 10

This course aims to help students become more “world-minded.” Students will focus on the study of political, economic, and social global issues and the connections between the United States and the world. While this course focuses on current world issues, other historical topics will be included as well. Some topics of study will include the Middle East, China, Russia, The United Nations, human rights, and terrorism.

American Government (Graduation Requirement)

Credit: 0.5

Prerequisite: Successful Completion of U.S. History

Grades: 10

This course focuses on the political workings of the American government, including the Judicial, Legislative and Executive branches, as well as looking at how the government affects our lives at all levels: local, state, and national. In addition, students will learn their responsibilities as citizens of our country and how our laws and legal system function to benefit society as a whole.

Anthropology**Credit: 0.5****Prerequisites: Successful Completion of U.S. History & Contemporary World Issues****Grades: 11-12**

This course examines both the social and physical areas of human culture. Topics included will be the nature of culture, the organization of social relations, archaeology, human evolution, and the relationships between values and behavior. Attention is also given to the human use of culture in adapting to environments and to language, technology, kinship, and religion as cultural systems. Case studies of Western and non-Western peoples, historic and prehistoric cultures are examined.

Archaeology**Credit: 0.5****Prerequisites: Successful Completion of U.S. History & Contemporary World Issues****Grades: 11-12**

This course is an introduction to basic methods, techniques, and principles of modern anthropological archaeology. It examines how archaeologists gather and use data and how that information is relevant to contemporary society. An important focus of the course will be on the reconstruction of the culture and ecology of prehistoric societies in both the Old and New World through examining archaeological theories, concepts and methods.

Economics**Credit: 0.5****Prerequisites: Successful Completion of U.S. History, Contemporary World Issues & American Government****Grades: 11-12**

This course is the study of how the American people make a living. The basic principles of the free-enterprise system will be discussed. Other topics include American business, stock market, unions, banking, inflation, recessions, international trade, and taxation. Local problems of an economic nature will be studied. Knowledge of the economic system is important in life, especially during times of economic troubles as well as in specialized work.

History Through the Pages: Understanding and Exploring Historic Fiction and Non-Fiction**Credit: 0.5****Prerequisites: None****Grades: 10-12**

History Through the Pages is a social studies course based on historical fiction and non-fiction writings. Students will read multiple texts, analyze the writings and understand the historical impact on fiction and non-fiction writings. Each student will create and present a portfolio that showcases their investigations.

History of the Holocaust & Modern-Day Genocide

Credit: 0.5

Prerequisites: Successful Completion of U.S. History & Contemporary World Issues

Grades: 11-12

This course will take an in-depth look at the Holocaust and its lasting effect on the world. Students will learn more about the various groups of victims and the reasons for their being targeted by the Nazi regime. Students will also learn about the members of the Nazi party, major leaders and medical doctors and the experiments performed on those deemed “undesirable.” We will look at the mental and physical torture and methods of control, the ghetto and concentration camp system and forced labor. We will learn about resistance groups and the efforts of individuals who stood up against the Nazi regime. We will also research the long-term effects of the Holocaust on specific populations, as well as the effect on survivors and their “generation after.” Students will learn to use these ideas to relate to more modern day examples of ethnic cleansing and genocide and discuss why the world continues to allow such events to occur.

Sociology/Diversity

Credit: 0.5

Prerequisite: Successful Completion of U.S. History & Contemporary World Issues

Grades: 10-12

This course is designed to be an introductory course to Sociology and the study of human relationships with an emphasis on diverse populations and interactions. Why is it that we act differently in different roles? What leads us to choose the groups and jobs that we do? We will study the different theories of behavior, the benefits of social observation, social structures, hierarchies, and social stratification. In addition, we will look at racial and ethnic relations.

AP U.S. Government & Politics (Advanced Placement) (Offered 2017-2018)

Credit: 1.0

Prerequisites: Successful Completion of U.S. History, Contemporary World Issues & American Government

Grades: 11-12

This course will give students an analytical perspective on government and politics in the United States. Students will understand typical patterns, consequences, and components of political processes. Students will analyze and interpret basic data relevant to U.S. government and politics, and will be able to critically analyze the theories and concepts. Students may earn college/university credit upon completion of the AP exam.

***All AP exams take place in early May. Cost is about \$90 per test.**

***Specific AP information may be found at www.apcentral.collegeboard.com**

AP U.S. History (Advanced Placement) (Offered 2016-2017)

Credit: 1.0

Prerequisites: Successful Completion of U.S. History, Contemporary World Issues & American Government

Grades: 11-12

This course will provide students with an in-depth investigation of history and politics in the United States. Interested students should have the skills necessary to arrive at conclusions on the basis of an informed judgment, present reasons and evidence clearly, and persuasively express a perspective in an essay format. Students may earn college/university credit upon completion of the AP Exam.

***All AP exams take place in early May. Cost is about \$90 per test.**

***Specific information may be found at www.apcentral.collegeboard.com**

TECHNOLOGY Ed./AGRICULTURE

Technology education classes are all electives. The purpose of the technical education program is to provide the student with a wide variety of experiences and knowledge. Knowledge which will help the student make wiser career choices and help them to better understand the technological world we live and work in. The complexity of modern technology and the speed with which it changes is creating new challenges for everyone. The course work offered should help the student meet these challenges. A fee may be assessed for materials used in specified classes as noted in the class description.

Air-Cooled Engines

Credit: 0.5

Prerequisite: None

Grades: 10-12

This class is a study of different types of internal combustion engines, such as two and four stroke engines. The students will be provided a small four-stroke engine to disassemble, examine the parts for wear, reassemble the engine, and make the engine run properly. Students will then be tasked with finding and repairing a small engine that is in need of service. Students will be responsible to pay for any parts needed for their engine. Successful completion of Air-Cooled Engines will allow them access to the Basic Auto Repair and Automotive Technician classes.

Basic Auto Repair

Credit: 0.5

Prerequisite: Successful Completion of Air-Cooled Engines

Grades: 10-12

Basic auto repair is an introductory course for students interested in learning about automotive technology relating to the mechanical systems of an automobile. Areas to be covered include: lubrication, fasteners, wheels & tires, cooling system, brakes, steering, suspension, electrical systems, and components. It is highly advised that you have a vehicle that can be brought to lab.

Construction Building Trades

Credit: 0.5

Prerequisite: Woods 1 & II Recommended

Grade: 10-12

Construction Building Trades is designed for students interested in learning more about the field of residential construction. Students spend time in the construction lab creating a scaled model of a residential house.

Topics discussed include:

- Foundations
- Floor framing
- Wall framing
- Roof framing
- Roofing
- Exterior finishes

This is an excellent course for anyone planning on a career in construction.

Consumer Home and Auto Care**Credit: 0.5****Prerequisite: None****Grade: 10-12**

This course provides students with the information and practical skills required to assist them in fixing some basic problems around the house or with a vehicle. Students will learn basic home repair in the areas of drywall, electrical circuits, plumbing and painting. Students will also learn about some of the basics about auto care including how to change their oil, change a tire, etc. This course is for any student who may or may not want to pursue further studies in the Technology & Engineering department at Deerfield High School.

Engineering Design Principles (EDP) I**Credit: 0.5****Prerequisite: Woods I & Metals I****Grade: 10-12**

This course is for students who feel they might pursue a career in engineering or manufacturing or would like to learn more about either of these areas. In EDP, the student spends the length of the course learning the mechanical drafting system including the basics of how to work with engineering software. Students also do a 3-D solid modeling project.

Engineering Design Principles (EDP) II**Credit: 0.5****Prerequisite: Successful Completion of EDP I****Grade: 10-12**

This course builds upon the concepts learned in the first EDP course and continues to develop problem-solving and critical thinking skills through the application of 3-D computer modeling/CAD. EDP II emphasizes the design-development process of a product and how a product model is produced, analyzed, and evaluated. Student activities include designing various products. This is a course for students who feel they might pursue a career in engineering, manufacturing or would like to learn more about it.

Introduction to Agriculture**Credit: 0.5****Prerequisite: None****Grade: 9-12**

Agriculture is Wisconsin's #1 Industry employing 1 out of 9 people. Furthermore, during the next half century, Agriculture will need to produce more food than we have in the last 10,000 years. Students will explore the seven career pathways in Agriculture to help them understand the career opportunities and how they can be part of growing more food with less resources. The career pathways include Animal Systems, Agribusiness Systems, Environmental Service Systems, Food Products and Processing Systems, Natural Resource Systems, Plant Systems, and Power, Structural and Technical Systems.

Metals Manufacturing I**Credit: 0.5****Prerequisite: None****Grade: 9-12**

Students interested in pursuing careers in engineering, manufacturing management, or a technical trade should take this course. In this course, students study the basic skills and processes used in the metal-working industry. Students gain hands-on experience with the following:

- Lathe
- Milling Machine
- Grinder
- Stick Welder
- Oxy-Fuel Welder
- Mig Welder
- Resistance Welder
- Sheet Metal Fabrication

Considerable emphasis is placed on the reading, use, and care of the basic precision measuring instruments. *(There is a \$25 fee. Students not able to afford the cost should contact the building principal.)*

Metals Manufacturing II**Credit: 0.5****Prerequisite: Successful Completion of Metals Manufacturing I****Grade: 9-12**

Students in this course are provided the opportunity to broaden their general knowledge and skills in the metals manufacturing field. Students practice the skills learned in Metals Manufacturing I with hands-on projects. Students must display an increasing degree of knowledge and skills in metals manufacturing work by receiving passing grades on assigned and chosen lab activities and projects. This class will help prepare students for a career in the metals manufacturing field. *(There is a \$25 fee. Students not able to afford the cost should contact the building principal.)*

Wood Manufacturing I**Credit: 0.5****Prerequisite: None****Grade: 9-12**

Students will be introduced to the wood products industry with a hands-on approach. Class work includes development of part drawings, bill of materials, and precise measurement. Student projects are designed to teach proper use of the table saw, miter saw, jointer, planer and band saw along with an assortment of hand tools. *(There is a \$25 fee. Students not able to afford the cost should contact the building principal.)*

Wood Manufacturing II**Credit: 0.5****Prerequisite: Successful Completion of Wood Manufacturing I****Grade: 9-12**

This course is a continuation of Wood Manufacturing I. More emphasis on design theory and practice, estimating, mass production, crafts, marketing, entrepreneurship and individualized projects for self, school or others. Coursework includes learning how to safely and productively utilize modern production and cabinetmaking tools, materials and techniques. This is in an effort to create awareness of the industry and possible future employment opportunities. Students develop a bill of material for their projects. *(There is a \$25 fee. Students not able to afford the cost should contact the building principal.)*

Youth Apprenticeship Programs (grades 11 and 12) similar to the Technology Education Department. See pages 47-51 for more details.

Architecture and Construction

Credit: To be determined by contract

Prerequisites: Introduction to Technology and Engineering

Grade: 12

See Youth Options Apprenticeship Procedures on pages 47-51.

Automotive Technician Youth Apprenticeship

Credit: To be determined by contract

Prerequisites: Consumer Auto

Grades: 11-12

See Youth Options Apprenticeship Procedures on pages 47-51.

Manufacturing Youth Apprenticeship

Credit: To be determined by contract

Prerequisites: Introduction to Technology and Engineering, Metals Manufacturing I & II

Grades: 11-12

See Youth Options Apprenticeship Procedures on pages 47-51.

Science, Technology, Engineering, and Math (STEM) Youth Apprenticeship

Credit: To be determined by contract

Prerequisites: Introduction to Technology and Engineering

Grades: 12

See Youth Options Apprenticeship Procedures on pages 47-51.

Youth Options

Youth Options is an agreement between the State Department of Education, high schools, and post-secondary institutions to allow 11th & 12th grade students to enroll in one or more courses (up to 15 credit hours per semester) at a UW campus, technical college, or private college. Deerfield students typically attend UW-Madison, Madison College (formerly referred to as MATC), or Edgewood College. Approved courses would include those not comparable to Deerfield High School course offerings. The cooperating higher education institutions have additional eligibility requirements and enrollment specifications.

When taking a postsecondary course through Youth Options, the Deerfield Community School District pays the tuition, fees, books and other necessary material directly related to the course. Any books or equipment purchased by the school become property of the Deerfield Community School District and must be returned to the high school upon completion of the course. Students are not able to take these courses pass/fail. Courses must also be during the school day (hours).

To qualify for this program, students must:

- be in good academic and disciplinary standing.
- meet the criteria and timelines established by the post-secondary institution.
- have exhausted all courses offered at Deerfield High School in the subject area of interest.

Students must meet the application deadlines as follows:

- Applications must be received by **March 1** for fall semester 2016.
- Applications must be received by **October 1** for spring semester 2016.
- Application must be received by **March 1** for fall semester 2017.

*Students must provide Deerfield High School with an official transcript from any Youth Options course taken in order for the course to be added to the high school transcript.

Collaboration with Cambridge High School

Deerfield High School has a reciprocity agreement with Cambridge High School in which Deerfield students may take certain courses available at Cambridge that are not available at Deerfield. Students must provide their own transportation. Course enrollment is dependent on the master schedule and space available at both schools. Meet with your School Counselor for more information.

Students may also consider these options:

- Independent Study Contract with a Deerfield High School teacher.
 - Students who wish to pursue this option must submit an independent class course proposal (developed with a teacher who will serve as the supervisor). Independent course contracts are available in the guidance office.
- Accelerated coursework is available with teacher recommendation.
- Online courses. Application available for students interested in this type of instruction.
- Work Experience under the supervision of the School to Career Coordinator

***Students interested in these opportunities must meet with the school counselor.**

Deerfield High School Youth Apprenticeship Procedures

There are many benefits to completing a Youth Apprenticeship including gaining job experience, earning money, and being able to include the apprenticeship on your college applications.

If you find an area of interest, you must meet with the School to Career Coordinator before beginning the application process. The availability of programs depends on how many students within the Dane County Consortium are interested in that program and if there are instructors and employers who are willing to sign on as Youth Apprenticeship teachers and mentors.

If the program you are interested is available for the next school year, you will need to complete the following steps.

1. Download and fill out the application form at the Dane County Consortium site: <http://www.dsc.org/STC/YAP/Application/Forms/AllItems.asp> Print out the completed form and return to the School to Career Coordinator **BY May 1**.
2. Print out FOUR recommendation forms and give them to two school staff, the High School Principal, and one community member. Students must inform the recommendation writer to return the recommendation form to the School to Career Coordinator **BY May 1**.
3. The Youth Apprenticeship interview committee will set up a time to meet. Students will receive a sample list of interview questions for preparation purposes. **INTERVIEWS WILL TAKE PLACE AROUND MAY 15** (A resume and cover letter are recommended for the interview.)
4. Upon acceptance to the program, the student and parent(s)/guardian(s) must review and sign the Deerfield Youth Apprenticeship contract as well as the necessary Dane County Consortium forms. These forms are due to the School to Career Coordinator **BY MAY 31**.
5. After acceptance to the program, students will need to meet with the High School Counselor to include release time for the apprenticeship classes and work experience.

It is important that students and parent(s)/guardian(s) understand that all Youth Apprenticeships have both an education and a work component. Sometimes classes here at Deerfield will fulfill the education requirement, but more often classes will be held at another high school or at an MATC campus. This means that you'll need transportation to the class site. Deerfield High School does not provide transportation.

You will not be considered an official Youth Apprenticeship participant until you have begun the work component of the Apprenticeship, a minimum of 450 hours. (This means that you may not write that you are in the YA Program on college applications until you are working.) You, the student, are responsible for finding employment in the field of your choice and getting yourself to and from the work site. The school will provide release time, credit, and support. In addition to your job, you will also need to complete weekly reports and participate in the official Apprenticeship meetings with your employer, mentor, School to Career Coordinator, and Dane County Consortium staff. Earning your Youth Apprenticeship Certificate is dependent on successful completion of the "Skills Standards Checklist" for your Apprenticeship area.

Youth Apprenticeship Programs **(Grades 11 and 12)**

(Please note that program requirements and prerequisites are subject to change.)

Architecture and Construction

Credit: To be determined by contract

Prerequisites: Introduction to Technology and Engineering

Grade: 12

One-Year Program (senior year): This apprenticeship requires that the student take the following courses for the related instruction part of the program: Wood Manufacturing I, Wood Manufacturing II, and Construction Building Trades. Students also must be employed in a paid related work experience a minimum of 450 hours. This program is coordinated with the Dane County Youth Apprenticeship Program. *(See Youth Apprenticeship application procedures and Architecture and Construction Career Cluster Program of Study.)*

Automotive Technician Youth Apprenticeship

Credit: To be determined by contract

Prerequisites: Consumer Auto

Grades: 11-12

One-Year Program (either junior or senior year): Students interested in the apprenticeship must take the related instruction automotive course at McFarland High School each semester. Students will also be employed in a paid related work experience for a minimum of 450 hours at an automotive firm; dealership or independent shop. This program is coordinated with the Dane County Youth Apprenticeship Program.

Two-Year Program (must begin junior year): Upon successful completion of the first year of course work from McFarland and successful reviews from the student's employer the student will be eligible for the second year of the program which is at Madison College. During the second year of the program the student must work an additional 450 hours of related work experience. This phase of the program is also coordinated by the Dane County Youth Apprenticeship Program. *(See Youth Apprenticeship application procedures and Transportation, Distribution, and Logistics Career Cluster Program of Study.)*

Biotechnology Youth Apprenticeship

Credit: To be determined by contract

Prerequisites: Biology and Chemistry with grades of B or better, interest and aptitude in biotechnology field, and recommendation by science teacher.

Grades: 11-12

One or Two-Year Program: The biotechnology courses are held at the Biopharmaceutical Technology Center in Madison. Work Experience for this program is generally located in the Madison area. This is a highly competitive Youth Apprenticeship and positions are limited. Applications for this program are through the Dane County Youth Apprenticeship Program. *(See Youth Apprenticeship application procedures and Agriculture, Food, and Natural Resources Career Cluster Program of Study.)*

Finance Youth Apprenticeship**Credit: To be determined by contract****Prerequisites: None****Grades: 11-12**

One-Year Certificate (either junior or senior year): This apprenticeship requires that the student take the following courses for the related instruction part of the program: Personal Finance and Microsoft Business Applications. The student may also be required to take courses offered by the local financial institution. The student will also be employed in a paid work experience for 450 hours in a financial institution; bank, credit union, accounting firm, or an accounting department of a company. This program is coordinated with the Dane County Youth Apprenticeship Program.

Two-Year Certificate (must begin junior year): Students take Accounting I and Business Marketing. An additional 450 hours of related work experience also will be required. This program is coordinated with the Dane County Youth Apprenticeship Program. *(See Youth Apprenticeship application procedures and Finance Career Cluster Program of Study.)*

Health Youth Apprenticeships**Credit: To be determined by contract****Prerequisites: Biology and Human Anatomy with a grade of C or better. COMPASS reading test score of 80 or better.****Grades: 11-12**

One-Year Certificate (either junior or senior year): The first course in this youth apprenticeship is CNA (Certified Nursing Assistant). The second course will be either Medical Terminology or Body Structure depending upon the worksite and career interest of the student. The student will also need 450 hours of paid related work experience in a health care setting in accordance with the career pathway of the student. This program is coordinated by the Dane County Youth Apprenticeship Program.

Two-Year Certificate (must begin junior year): Upon completion of the first year, the student can select to complete the Pharmacy Tech Certificate (see below) or two other semester-long classes such as Diagnostic Aide or Introduction to Phlebotomy. All of these courses are offered at Madison College. The student will also need to attain an additional 450 hours of paid related work experience in a health care setting. This program is also coordinated with the Dane County Youth Apprenticeship Program.

Pharmacy Technician One-Year Certificate (seniors year): Students interested in this area of health care will need to take the Pharmacy Tech 1 and 2 courses. They will also need to have 450 hours of paid related work experience in a pharmacy setting. This certificate and program are coordinated with the Dane County Youth Apprenticeship Program. *(See Youth Apprenticeship application procedures and Health Science Career Cluster Program of Study.)*

Hospitality and Tourism Youth Apprenticeship**Credit: To be determined by contract****Prerequisites: None****Grades: 11-12**

One-Year Certificate (either junior or senior year): For this youth apprenticeship students will need to enroll in the Foods I and II, and/or III; Hospitality Careers courses for their related instruction. They will also need 450 hours of paid work experience in a food service setting where they are able to attain the competencies of this Youth Apprenticeship. This program is coordinated with the Dane County Youth Apprenticeship Program.

Two-Year Certificate (must begin junior year): Students will have to take Foods II and III or two other approved courses at Madison College related to their career, job placement and youth apprenticeship competencies. An additional 450 hours of related work experience will also be attained. This program is coordinated with the Dane County Youth Apprenticeship Program. *(See Youth Apprenticeship application procedures and Hospitality and Tourism Cluster Program of Study.)*

Manufacturing**Credit: To be determined by contract****Prerequisites: Introduction to Technology and Engineering, Metals I & II****Grades: 11-12**

One-Year Program (either junior or senior year): Students interested in the apprenticeship must take Metals Manufacturing I and II. They are also employed with a related paid work experience a minimum of 450 hours. This program is coordinated with the Dane County Youth Apprenticeship Program. *(See Youth Apprenticeship application procedures and Manufacturing Career Cluster Program of Study.)*

Science, Technology, Engineering, and Math (STEM) Youth Apprenticeship**Credit: To be determined by contract****Prerequisites: Introduction to Technology and Engineering****Grades: 12**

One-Year Certificate (senior year): For this youth apprenticeship, students will need to enroll in Engineering Design Principles I and II for their related instruction. They will also need 450 hours of paid work experience in a related work setting where they are able to attain the competencies of this Youth Apprenticeship. This program is coordinated with the Dane County Youth Apprenticeship Program. *(See Youth Apprenticeship application procedures and Science, Technology, Engineering & Mathematics Program of Study.)*

Veterinary Technician Youth Apprenticeship**Credit: To be determined by contract****Prerequisites: One credit of Biology, Chemistry, and Algebra with a grade of C or better, and the following COMPASS test scores: Reading 80, Writing 69, EWrite 6, Algebra 40****Grade: 12**

One-Year Certificate (senior year): Two vet tech courses are taken at Madison College-one each semester or students may take the Animal Science and the Small Animal Vet Science courses at Cambridge High School. The student will need 450 hours of paid related work experience in a veterinary facility. The program is coordinated with the Dane County Youth Apprenticeship Program. *(See Youth Apprenticeship application procedures and Agriculture, Food and Natural Resources Career Cluster Program of Study.)*

Financial Aid and Scholarships

As college costs continue to rise, paying for post-secondary training becomes a major concern of parents. To help defray part of the cost of attending school, a student may be eligible for scholarships and financial aid.

Financial aid through the federal and state government and most universities is based on need determined by a financial needs analysis. Applications for this type of assistance are filled out after January 1 of the senior year. This form is quite complicated. To assist with this process, the Guidance Department will provide a financial aid night each year where an expert on financial aid will present valuable information.

Many families are understandably concerned about meeting rising college costs. Early in the senior year students should be sure to check the financial aid deadlines and the forms which are required by each college they are considering. Students should pursue all possible sources of financial aid.

Financial aid is available as indicated below:

1. **Grants/Scholarships:** Aid that does not have to be repaid – essentially FREE MONEY!
2. **Loans** - Low interest rates and must be repaid with or without accrued interest.
3. **Work Study Program:** Work opportunities available to qualified students. The amount a student receives from each of these sources is determined by the student's need and the resources available at the school of higher education.

When searching for scholarships check the following sources:

- Internet sites including the high school guidance website
- Local scholarships
- Financial Aid Office at the proposed post-secondary school
- Parents' and students' places of employment.
- All organizations that the student or parents belong to - look into churches, lodges, mutual insurance companies, civic organizations, etc
- Funding available through the military services - military commitment is required
- College/University specific websites as they most likely have their own (For instance, a music school, business school or psychology department within a post-secondary school may sponsor scholarships.)

In December, students and their parent(s)/guardian(s) are encouraged to attend the annual Deerfield/Cambridge/Lake Mills Financial Aid Night.

WARNING: DO NOT PAY FOR SCHOLARSHIP SEARCHES!

FAFSA

FAFSA is the acronym for **Free Application for Federal Student Aid**. It is required for anyone wishing to be considered for federal-based loans and other monies at post-secondary schools. Applying for financial aid may be done by completing a mail-in paper version or an online version. We strongly encourage the use of the on-line version because the process is quicker, and the turnaround time is cut in half. It normally takes two weeks to receive a response when filing on-line as opposed to the mail-in paper version, which takes four to five weeks. The online version has a downloadable preliminary worksheet to help estimate the amount of financial aid for which the student would qualify.

Before beginning the process of applying on-line for federal aid, it is necessary for students and parents to obtain PIN numbers, which will also serve as electronic signatures. Apply for your PIN numbers early. This can be done well in advance of filing your tax returns.

www.pin.ed.gov/PINWebApp/pinindex.jsp

FAFSA Application - www.fafsa.gov

Other helpful websites:

www.fastweb.com – Scholarship search

www.heab.state.wi.us - The Higher Educational Aids Board (HEAB) is the state agency responsible for the management and oversight of the state's student financial aid system for Wisconsin residents attending institutions of higher education.

www.studentaid.ed.gov - Federal Student Aid Center

www.fafsa4caster.ed.gov - Federal student aid projector tool

www.finaid.org - Financial aid information

www.guaranteed-scholarships.com - Merit and other aid listed by college

WARNING: The site "FAFSA.com" is a commercial site run by people who charge money for what is **free** through the government site. Don't use it by mistake!