# DEERFIELD HIGH SCHOOL COURSE BOOK 2026-2027

*In the Deerfield Community School District, we believe it is important for our students to excel in academic achievement, expand career exploration & engage in social and emotional learning experiences that cultivates a healthy personal identity, strengthens our global perspective, and encourages positive habits, choices for effective decision-making skills for lifelong fulfillment.*

## NONDISCRIMINATION POLICY

*It is the policy of the Deerfield Community School District that no person may be denied admission to any public school in this district or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extracurricular, pupil service, recreational, or other program or activity because of the person's sex, race, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional or learning disability or handicap as required by s. 118.13, Wis. Stats. This policy also prohibits discrimination as denied by Title IX of the Education Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race, color and national origin), and Section 504 of the Rehabilitation Act of 1973. The district will provide reasonable accommodation of a student's sincerely held religious beliefs with regard to examinations and other academic requirements per PI 41.04(1)(a). For more information, or to file a complaint, contact Student Service Director, Deerfield Community School District, 300 Simonson Blvd., Deerfield, WI 53531*

*Dear DHS Parents and Guardians:*

*Welcome to the 2026-2027 Course Catalog for Deerfield Community High School. This guide provides valuable information regarding credit and course requirements for earning a DHS diploma. We encourage incoming freshmen, students in 9-12th grade and guardians to have a good understanding and awareness of graduation requirements to make progress towards credit completion and career goal development.*

*In the spring semester, students are given the opportunity to familiarize themselves with the Deerfield Course Book and speak with staff about course selections during regular scheduled mentor days. Students will begin viewing course information, have the opportunity to ask questions related to classes that align best with their interests, strengths, abilities and career planning goals. We strongly encourage students and guardians to prepare as much as possible for the upcoming school year and reflect on a student's overall school year schedule that can impact course work demands some may include: extracurricular school clubs, sports, study needs and employment when deciding if a resource hour is needed for academic success. Students are welcome to schedule an appointment with their Youth Apprenticeship/School to work coordinator & Senior Advisor, School Counselor or Alternative Education Program Director & Edmentum Advisor to discuss course selections. Students with Individualized Educational Plans will work with their case manager to develop schedules that meet the student's needs for academic growth and provide transitional planning for postsecondary options.*

*Thoughtful decision making in the scheduling process is not only a part of the high school experience, it is an integral piece for students and caregivers, guardians for college, career and readiness. We will make every effort to offer students the course selections they have chosen and ask for alternative courses in the event that they cannot get into a specific class. When classes are initially selected to help shape the schedule, teacher assignments, classroom space availability and materials available for each class. Thank you for taking the time to carefully consider course selections with your student. We are excited for students and staff to have new learning spaces for the 2026-2027 school year!*

*Sincerely,*

*Shannon McDonough*
High School/Middle School Principal

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# Academic, Career Planning Vision Statement

*The ACP program at Deerfield High School is a comprehensive framework that incorporates knowledge, skill building and career pathway options to prepare students for future steps in career and life readiness. Students will develop a career portfolio that they will utilize for college and career planning. The ACP portfolio serves as an organizational tool for future readiness, as students goals for post-secondary achievement. Students are encouraged to maintain professional personalized profiles to include rigorous academic coursework, work or volunteer experience, extracurricular activities and letters of recommendation(s) for career exploration and readiness. Everyday is an opportunity to learn something new, develop tools and access resources to make informed choices about postsecondary education, training and life ready skills.*


*WORKING TOGETHER AS A COMMUNITY TO PREPARE ALL STUDENTS FOR SUCCESS!*

# Career Clusters

Students are introduced to the 16 Career Clusters in different ways throughout their high school experience. Students will take a college and career readiness course to prepare them for college and career readiness by providing a variety of opportunities through academic content areas, enroll in a class through the College Now Program, participate in college tours, job shadows, work experience or completing a Youth Apprenticeship. Each year students will select relevant coursework to meet their educational and career goals.

# Scheduling Process Information

***Schedule Change requests:***

To change a student's schedule at Deerfield High School, a student must receive administrative, parent or guardian consent. **Students are expected to make all schedule changes, including both semesters, prior to the start of the school year**. This can be done by scheduling a meeting with the high school counselor in student services. We strongly encourage students to select courses with academic and career planning in mind.

**Please note:** In spring semester, the student service team creates a master schedule based on student selection for the upcoming school year. After collecting student request forms we then carefully develop staff schedules to meet the needs of students.

Scheduling adjustments will only be considered after the start of the school year if:

- An adjustment is needed to fulfill graduation requirements.
- A student is scheduled in a duplicate class or double booked for two different classes.
- A student was placed in a class in which they did not meet the prerequisite requirement for the course.
- A student is approved to take a college class or a class that aligns with a student's academic and career planning post-secondary plans.
- A student makes a change in their post-secondary plans and a different class would be a more appropriate fit based on these plans.
- Unforeseen extenuating circumstances, such as medical reasons, that are considered on a case by case basis and in collaboration with parent/guardian, student service team and reviewed with administrator for approval.

Academic rigor is strongly encouraged and supported all four years of a student's high school career. We encourage students to take full advantage of the courses offered with a full schedule, especially during their senior year.

# GRADUATION REQUIREMENTS

Deerfield High School requires a total of 28 credits to graduate. Students are encouraged to review their transcripts each year to help guide class selection and to maximize college and career readiness. The requirements are listed in the following subject areas:

| Course | Credits | |
|---|---|---|
| English | 4.0 | |
| Mathematics | 3.0 | |
| Social Studies | 3.0 | |
| Science | 3.0 | |
| Physical Education | 1.5 | |
| Health Education | 0.5 | |
| Career/College Readiness | 0.5 | |
| Computer Science | 0.5 | |
| Personal Finance Literacy | 0.5 | |
| Fine Arts | 4.0 | Fine Arts = Computer Science, Art, FACS, Tech Ed., World Language, Music, Business |
| Electives | 7.5 | May be selected in any combination from any curricular area |
| Civics Exam | Pass | State of Wisconsin requirement. Passing grade of 70% or higher and will be administered in the Government class |
| Senior Step It Up Project | Pass | The Step-it-Up project is a graduation requirement that gives students the opportunity to practice interpersonal skills, interests, hobbies while learning the importance of helping others |
| **Total Graduation Credits** | **28** | |

# Early Graduation

Junior or senior students interested in this option may contact student services for more information and are encouraged to plan ahead prior to the beginning of the school year.

The student must apply to the High School Principal for early graduation by:

- Completing a student proposal plan that lists the reasons for requesting early graduation.
- Submitting a signed statement by their parents stating their student's career and life goals and authorization for early graduation.
- Meeting in council with the principal, school counselor and the parent/guardian to discuss early graduation.

# American College Testing  (ACT)

High School Juniors are required to take the ACT on a date designated by the Wisconsin Department of Instruction. The ACT exam is a standardized test that covers the following subjects: English with a writing component, mathematics, reading and scientific reasoning. Official test scores can be used to submit as a part of the college admission process.

Students will participate in the mandatory ACT practice exam prior to the official exam date. Students that are interested in additional pre-test options may take the ACT practice exam administered at Deerfield High School. Test dates and registration deadlines are subject to change per academic calendar year. Please contact Student Services & ACT coordinator for more information.

**Online registration** for the ACT may be found at: www.actstudent.org
**Deerfield High School/College Board 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.

# UW-System and Post-Secondary Admissions Requirements

Students who plan to further their education at either a technical college or university will want to review application deadlines if applicable and review admissions requirement(s) for each institution when selecting their high school courses. Admissions requirements vary considerably depending upon the college or university the student plans to attend. 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 encourage students to take rigorous classes in the following categories: English, Mathematics, Social Studies, Natural Science, and are strongly encouraged to take a World Language. Each college or university has specific requirements which may or may not include world language requirements.

- **4 credits English**
- **3 credits Math (Algebra I, Geometry, Algebra II)**
- **3 credits Social Studies**
- **3 credits Science**
- **4 credits Electives**
- **2 credits World Language (requirements vary per college and university)**

UW - System information: www.wisconsin.edu. UW- System application: https://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 Natural Science
- 4 credits Electives
- 2 credits World Language (varies by college)

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.

**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.

## Accuplacer Assessment

This reading, writing and mathematics assessment is used for entrance and for course placement at technical schools including Madison College. Students can register online in advance up until 24 hours before the test is administered. Registering for a seat is highly recommended, however walk-ins are accepted time and space permitting. The test session(s) are scheduled in 1-3 hour time slots. When students arrive on campus they should be prepared to show a valid photo ID and indicate the type of exam they are scheduled to take. There is a fee for this test which is the responsibility of the student. Technical colleges may substitute a recent ACT score if available. Please note that the cost varies depending on how many assessments each student is requesting to take. Students may contact Testing Services for test fee waiver eligibility at each higher education institution. Please contact Madison College for additional information by email testing@madison college.edu or phone (608) 246-5220

# 4 Year University Recommended Course Sequence

**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
- Calculus
- AP Calculus

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

- U.S. History I /U.S History II
- Contemporary World Issues
- American Government
- Archaeology
- Anthropology
- Sociology
- History Through Media
- History of the Holocaust
- Economics
- Psychology
- AP U.S. Government (offered every year)
- AP U.S. History *(offered every other year)*

**Science – 4.0 Credits (including one during senior year)**

- Biology
- Chemistry
- Advanced Chemistry Equilibrium Focus
- Advanced Chemistry Energetics Focus
- Forensic Science
- Human Anatomy & Physiology
- Physics
- Genetics & Immunology/AP Biology *(offered alternate years)*

**Plus:**

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

# 2 Year Tech College Recommended Course Sequence

**Language Arts - 4.0 credits**

- English 9
- English 10
- English 11
- English 12 **(Madison College Dual Credit)**

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

- Algebra I
- Geometry
- Math Reasoning OR Algebra II
- Probability & Statistics

**Social Studies 3.0 Credits**

- U.S. Historyl/U.S History II
- Contemporary World Issues
- American Government
- Sociology
- History Through the Media
- History of the Holocaust
- Economics
- Psychology

**Natural Science 3.0 Credits**

- Biology
- Physical Science
- Elective

**Plus:**

- 1.5 credits Physical Education
- .5 credit Health
- .5 credit Personal Finance
- .5 credit College & Career Readiness (C&CR)
- At least .5 credit Computer Science
- 1.0 credit World Language
- Remaining elective credits options are based on individual career 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. Take a variety of courses while in high school in order to learn about different fields of study.
- **Consider a college savings plan or personal savings for life beyond high school.** If you have a job, consider opening up a savings account. It is a great time to start saving for college and life beyond high school.
- **Build your credentials on Xello.** 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, attending a job fair, attending a job shadow or internship, and building work experience at a summer job.

## Sophomores

- **Begin learning about the college admissions process.** Familiarize yourself with general college entrance requirements and start thinking about your future career pathways.
- **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, assignments, resume writing and more!
- **Use your Xello Account.** Investigate and explore job shadows, internships, summer positions, apprenticeships, colleges/universities, military branches that fit your vocational goals.
- **Practice your writing.** You'll need writing skills no matter what path you pursue, so work on those skills now to get prepared. Writing skills will prepare you for professional resume writing, creating a career portfolio, letter(s) of interest to potential employers, scholarship applications for college and more!
- **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 your school to work coordinator or school counselor for upcoming college visits!
- **Contact colleges/universities/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 in student services 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, attending a job fair, attending a job shadow or internship, and building work experience at a summer job.

# Juniors

- **Make a college wish list.** Encourage students to consider colleges that meet their expectations, and will be a good fit in terms of size, location, cost and degree program. Look at each factor and develop a preliminary ranking of the schools on your list that will best meet your educational needs.
- **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. Students that prepare for the ACT, will likely boost their test score.
- **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, which is typically held in early fall.
- **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 campus tours are available in person and/or virtual during the weekday or have specific weekends designated for prospective students.
- **Try to job shadow.** Students are encouraged to step outside of their comfort zone and attend a job shadow. Begin networking with parents/guardians, teachers, coaches, neighbors or friends. This is a great way to learn more about specific fields and your level of interest in a career.
- **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. Students are encouraged to reach out to supportive family, friends and teachers for questions, proofreading and review before submitting to a college of choice.
- **Set up a meeting 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, apprenticeship programs and vocational training options. Look at scholarships that you could apply for during your senior year.
- **Contact your recommendation writers.** Ask people who know you well and will have positive things to say about your academics and character traits. 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 build your credentials during the summer, such as volunteering, getting a job, look into apprenticeship programs

# Seniors

- **Make sure your senior year schedule is solidified in August before school starts. 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 focused on your grades.** It is important for students to stay committed to school work, job experience/career planning and engage in positive community involvement to assist in sound career decisions to reach vocational goals.
- **Complete university/college applications.** Students should review a timeline of important deadlines and review necessary documents before submitting. Students may want to have a trusted teacher or parent/guardian to review before an application is submitted.
- **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 Student Services Office.
- **Apply for scholarship opportunities.** Search for and apply for scholarships. There are a lot of scholarships depending on the major, program and/or type of institution (2 year or 4 year degree).. 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 Scholarship page.
- **Complete FAFSA.** Fill out the FAFSA as soon as you are able. The FAFSA is the main avenue for federal and state financial aid (grants, scholarships, loans, and work study). Attend the annual Deerfield/Cambridge/Lake Mills Financial Aid Night, held on a rotation between the surrounding school districts.
- **Complete enrollment paperwork for the college you will attend.** Once you accept an offer you should receive information from the college about course registration, financial aid offers, new student orientation sessions and housing options. Be sure to complete all required paperwork by the appropriate deadlines.
- **Finish with strong senior year grades.** You have put a lot of hard work into your high school career and transitioning from high school is a big deal to celebrate!

# Deerfield High School Course Offerings

**Minimum of 11.5 elective credits required**

| * REQUIRED courses | Credit | Grades |
|---|---|---|
| **ENGLISH** | | |
| ***English 9** | **1** | 9 |
| ***English 10** | **1** | 10 |
| ***English 11 (OR) 11 Honors** | **1** | 11 |
| ***English 11 Honors** | **1** | 11 |
| ***English 12 (OR) AP Lit** | **1** | 12 |
| ***AP English Literature** | **1** | 12 |
| Creative Writing | 0.5 | 11-12 |
| Mythology | 0.5 | 11-12 |
| The Novel | 0.5 | 11-12 |
| Other _____ | | |
| **Total English credits required** | **4** | |

| **MATHEMATICS** | | |
|---|---|---|
| ***Algebra I** | **1** | 9-10 |
| ***Geometry** | **1** | 9-10 |
| Algebra II | 1 | 10-12 |
| Math Reasoning | 1 | 11-12 |
| Probability & Statistics | 1 | 11-12 |
| Pre-Calculus | 1 | 11-12 |
| AP Calculus | 1 | 11-12 |
| Other _____ | | |
| **Total Math credits required** | **3** | |

| **SCIENCE** | | |
|---|---|---|
| ***Biology** | **1** | 9 |
| Physical Science | 1 | 10-12 |
| Chemistry | 1 | 10-12 |
| Advanced Chemistry - Equilibrium | 1 | 10-12 |
| Advanced Chemistry - Energetics | 1 | 10-12 |
| Forensic Science | 1 | 11-12 |
| Human Anatomy & Physiology | 1 | 11-12 |
| Physics | 1 | 11-12 |
| Genetics | 0.5 | 10-12 |
| Immunology | 0.5 | 10-12 |
| AP Biology | 2 | 11-12 |
| Intro to Veterinary Medicine | 0.5 | 9-12 |
| Animal Science | 0.5 | 10-12 |
| Plant Science | 0.5 | 10-12 |
| Other _____ | | |
| **Total Science credits required** | **3** | |

| **WORLD LANGUAGE** | | |
|---|---|---|
| Spanish I | 1 | 9-12 |
| Spanish II | 1 | 9-12 |
| Spanish III | 1 | 10-12 |
| Spanish IV | 1 | 10-12 |
| Other _____ | | |
| **Total World Language credits** | | |

| | Credit | Grades |
|---|---|---|
| **SOCIAL STUDIES** | | |
| ***U.S. History I** | **1** | 9 |
| ***U.S. History II** | **0.5** | 10 |
| ***Contemporary World Issues** | **1** | 10 |
| ***American Government** | **0.5** | 11-12 |
| Sociology | 0.5 | 10-12 |
| Anthropology | 0.5 | 11-12 |
| Archaeology | 0.5 | 11-12 |
| Economics | 0.5 | 11-12 |
| History of the Holocaust | 0.5 | 11-12 |
| History Through the Media | 0.5 | 11-12 |
| Psychology | 1 | 10-12 |
| AP U.S. Government | 1 | 11-12 |
| AP U.S. History | 1 | 11-12 |
| AP Psychology | 1 | 11-12 |
| Other _____ | | |
| **Total Soc Studies credits required** | **3** | |

| **PHYSICAL EDUCATION** | | |
|---|---|---|
| ***P.E. 9** | **0.5** | 9 |
| Adaptive PE | 0.5 | 9-12 |
| Fitness for Life | 0.5 | 10-12 |
| Life of an Athlete | 0.5 | 11-12 |
| Outdoor Adv & Team Activities | 0.5 | 10-12 |
| The World of Sports | 0.5 | 10-12 |
| Other _____ | | |
| **Total PE credits required** | **1.5** | |

| **HEALTH EDUCATION** | | |
|---|---|---|
| ***Health 9** | **0.5** | 9 |
| Contemporary Health Issues | 0.5 | 10-12 |
| **Total Health credits required** | **0.5** | |

| **COLLEGE & CAREER READINESS (C&CR)** | | |
|---|---|---|
| ***College & Career Readiness** | **0.5** | 10 |
| College Success | 0.5 | 12 |
| **Total CCR credits required** | **0.5** | |

| **MUSIC EDUCATION** | | |
|---|---|---|
| Band | 1 | 9-12 |
| Musical/Choir (T1) | 0.25 | 9-12 |
| Concert Choir (T2,T3,T4) | 0.75 | 9-12 |
| Piano | 0.5 | 9-12 |
| Show Choir | 0.75 | 9-12 |
| Treble Choir | 0.5 | 9-12 |
| Music Technology I | 0.5 | 10-12 |
| Music Technology II | 0.5 | 10-12 |
| Music Theory | 0.5 | 9-12 |
| Theater Production | 0.5 | 9-12 |
| **Total Music credits** | | |

| * REQUIRED courses | Credit | Grades |
|---|---|---|
| **COMPUTER SCIENCE** | | |
| Intro to Computer Science | 0.5 | 9-12 |
| 3D Design & Animation | 0.5 | 9-12 |
| Adv. 3D Design & Animation | 0.5 | 9-12 |
| Digital Multimedia | 0.5 | 10-12 |
| Adv. Digital Multimedia | 0.5 | 9-12 |
| Website Development | 0.5 | 9-12 |
| Adv. Website Development | 0.5 | 10-12 |
| Digital Video Production | 0.5 | 10-12 |
| Intro to Programming with Java | 0.5 | 9-12 |
| Intro to Programming with Python | 0.5 | 9-12 |
| Adv. Programming with Java | 0.5 | 9-12 |
| Programming with C | 0.5 | 9-12 |
| Programming Swift | 0.5 | 9-12 |
| Independent Studies | 0.5 | 11-12 |
| **Total Comp Sci credits required** | **0.5** | |

| | Credit | Grades |
|---|---|---|
| **TECHNOLOGY / AGRICULTURE EDUCATION** | | |
| Metals Manufacturing I | 0.5 | 9-12 |
| Metals Manufacturing II | 0.5 | 9-12 |
| Wood Manufacturing I | 0.5 | 9-12 |
| Wood Manufacturing II | 0.5 | 9-12 |
| Air Cooled Engines | 0.5 | 10-12 |
| Basic Auto Repair | 0.5 | 11-12 |
| Construction Bldg. Trades | 0.5 | 11-12 |
| Consumer Home/Auto | 0.5 | 10-12 |
| Engineering Design I | 0.5 | 10-12 |
| Engineering Design II | 0.5 | 10-12 |
| Introduction to Agriculture | 0.5 | 9-12 |
| Small Animal Care & Management I | 0.5 | 9-12 |
| Small Animal Care & Management II | 0.5 | 9-12 |
| Wildlife Ecology | 0.5 | 10-12 |
| **Total Tech / Agriculture credits** | | |

| **ART EDUCATION** | | |
|---|---|---|
| Art Foundations | 0.5 | 9-12 |
| 3D Art | 0.5 | 9-12 |
| Mural Making/ Set Design | 0.5 | 10-12 |
| 2D Art I | 0.5 | 9-12 |
| 2D Art II | 0.5 | 10-12 |
| 2D Art III | 0.5 | 10-12 |
| Ceramics I | 0.5 | 9-12 |
| Ceramics II | 0.5 | 10-12 |
| Ceramics III | 0.5 | 10-12 |
| Media Arts I | 0.5 | 9-12 |
| Media Arts II | 0.5 | 10-12 |
| Media Arts III | 0.5 | 10-12 |
| Printmaking | 0.5 | 9-12 |
| Independent Art | 0.5 | |
| Other _____ | | |
| Other _____ | | |
| **Total Art credits** | | |

| **BUSINESS EDUCATION** | | |
|---|---|---|
| ***Personal Finance** | **0.5** | 11-12 |
| Microsoft Bus. Application | 0.5 | 9-12 |
| Introduction to Bus and Marketing | 0.5 | 9-12 |
| Accounting | 1 | 11-12 |
| Business Law and Ethics | 0.5 | 11-12 |
| Yearbook | 1 | 9-12 |
| Yearbook Editor | 0.5 | 11-12 |
| Marketing | 0.5 | 10-12 |
| **Other** _____ | | |
| **Total Bus Ed credits required** | 0.5 | |

| **FAMILY AND CONSUMER SCIENCES** | | |
|---|---|---|
| Foods I | 0.5 | 9-12 |
| Foods II | 0.5 | 9-12 |
| Foods III | 0.5 | 10-12 |
| Housing & Interior Design | 0.5 | 9-12 |
| Sewing I | 0.5 | 9-12 |
| Textile Arts | 0.5 | 9-12 |
| Children & Parenting | 0.5 | 9-12 |
| Hospitality Careers | 0.5 | 9-12 |
| Assistant Childcare Teacher | 0.5 | 11-12 |
| DES -Elementary Mentor | 0.5 | 10-12 |
| Medical Terminology | 0.5 | 10-12 |
| Other _____ | | |
| **Total FACS credits** | | |

# ART

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| Art Foundations | E | E | E | E |
| Print Making | E | E | E | E |
| 3D Art | E*/IC | E* | E* | E* |
| Ceramics I | E*/IC | E* | E* | E* |
| Ceramics II | E* | E* | E* | E* |
| Ceramics III | | E* | E* | E* |
| 2D Art I | E*/IC | E* | E* | E* |
| 2D Art II | E* | E* | E* | E* |
| 2D Art III | | E* | E* | E* |
| Mural Making and Set Design | | E* | E* | E* |
| Media Arts I | E*/IC | E* | E* | E* |
| Media Arts II | E* | E* | E* | E* |
| Media Arts III | | E* | E* | E* |
| Independent Art | | | E* | E* |
| E = Elective and the year student is eligible for the course | | | | |
| * = Class has a prerequisite | | | | |
| IC = Instructor Consent | | | | |

Art education courses are designed to inspire students to develop their creative potential by fostering artistic behaviors where students are in charge of generating their own unique ideas, critically thinking and solving problems, and communicating and collaborating throughout the process. The very skills needed to be a successful member of society are the skills being taught in the art room: developing imagination, creativity, initiative, work ethic, leadership, and responsibility.

Prerequisite courses are required for advancement to other art courses as they prepare students for further art experiences. However, a course may be waived if conflicts in scheduling persist, depending on previous efforts in art. The instructor’s prior approval is required.

## ART FOUNDATIONS

**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**
Art Foundations is a foundational course for students interested in visual arts and design. It focuses on helping students develop essential skills in 2D and 3D mediums. Throughout the course, students explore the elements of art and the principles of design while creating original artwork. This course serves as an introduction to the tools and skills needed to pursue further study in visual arts and design, providing a well-rounded foundation for future artistic endeavors.

## PRINTMAKING

**Credit: 0.5**
**Prerequisite: None**
**Grades: 9-12**
**Course Length: One term**
In this hands-on course, students will explore the history, technical precision, and impact of printmaking as a versatile form of fine art. Students will delve into the creative process of translating drawings into repeatable imagery, mastering the mechanics of relief printing (monoprint, collograph, and multi-block) and serigraphy (silkscreen). Through a series of focused individual projects, students will learn to create immersive, layered compositions that support visual storytelling. The course emphasizes technical craft, creative expression, and the unique role of the "multiple" in the world of art.

## 3D ART

**Credit: .5**
**Prerequisite(s): Successful Completion of Art Foundations OR consent of instructor**
**Grades: 9-12 (9th Gr. with consent of instructor)**
**Course Length: One term**
**Fee: $25.00**
In this course, students will develop technical skills using media such as plaster, clay, paper, wire, and found objects to create original three-dimensional artworks through modeling, carving, and assemblage. Students will explore ceramic hand-building methods and the process of throwing on the potter’s wheel, creating both functional and non-functional pieces.

## CERAMICS I

**Credit: .5**
**Prerequisite(s): Successful Completion of Art Foundations, 3D Art OR consent of instructor**
**Grades: 9-12 (9th Gr. with consent of instructor)**
**Course Length: One term**
**$25 Materials Fee (Students not able to afford the cost should contact the building principal.)**
This course focuses on developing hand-building and wheel-throwing techniques for creating functional and sculptural ceramic pieces. Students will create work focusing on form, design, and craftsmanship.

## CERAMICS II

**Credit: .5**
**Prerequisite(s): Successful Completion of Art Foundations, 3D Art & Ceramics 1**
**Grades: 10-12**
**Course Length: One term**
**$25 Materials Fee (Students not able to afford the cost should contact the building principal.)**
This course focuses on the continued growth of hand-building and wheel-throwing techniques for creating functional and sculptural ceramic pieces. Students will create a cohesive body of work, emphasizing form, design, craftsmanship, and functionality.

## CERAMICS III
**Credit: .5**
**Prerequisite(s): Successful Completion of Art Foundations, 3D Art I & Ceramics I & II**
**Grades: 10-12**
**Course Length: One term**
**$25 Materials Fee (Students not able to afford the cost should contact the building principal.)**
This course focuses on developing a personalized ceramic art portfolio emphasizing a specific building style, theme, or artistic practice. Students will work independently to create a cohesive body of work showcasing growth in technical skills and conceptual development. Students will serve as studio assistants, mentoring Ceramic 1 and 2 students and completing various studio maintenance tasks. This class may be repeated for credit.

## 2D ART I
**Credit: .5**
**Prerequisite(s): Successful Completion of Art Foundations I OR consent of instructor**
**Grades: 9-12 (9th Gr. with consent of instructor)**
**Course Length: One term**
**$25 Materials Fee (Students not able to afford the cost should contact the building principal.)**
Students will develop technical skills in various two-dimensional art media, including drawing, painting, and printmaking. They will create original artworks focusing on themes such as observation, self-expression, and communicating personal ideas.

## 2D ART II
**Credit: .5**
**Prerequisite(s): Successful Completion of Art Foundations & 2D Art I**
**Grades: 10-12**
**Course Length: One term**
**$25 Materials Fee (Students not able to afford the cost should contact the building principal.)**
This course focuses on developing advanced technical skills using colored drawing media, watercolor, and acrylic (or oil) paint. Students will create original two-dimensional artworks based on themes such as perspective, the figure, and developing a thematic idea through a series of works.

## 2D ART III
**Credit: .5**
**Prerequisite(s): Successful Completion of Art Foundations, 2D Art I & 2D Art II**
**Grades: 10-12**
**Course Length: One term**
**$25 Materials Fee (Students not able to afford the cost should contact the building principal.)**
This course focuses on developing a personalized 2D art portfolio, emphasizing a specific media, theme, or artistic practice. Students will work independently to create a cohesive body of work, showcasing their growth in technical skills and conceptual development. Students will serve as studio assistants mentoring 2D Art 1 and 2 students and completing various studio maintenance tasks. This class may be repeated for credit.

## MURAL MAKING AND SET DESIGN
**Credit .5**
**Prerequisite(s): Successful completion of Art Foundations & 2D Art 1.**
**Grades: 10-12**
**Course Length: One term (course may be repeated for credit)**
In this hands-on course, students will explore the history, symbolism, and impact of murals as a form of public art, while also delving into the creative process of set design. Through a combination of individual and group projects, students will learn to design collaboratively, create mixed-media art, and contribute to both a community mural and a set design project learning how to create immersive environments that support storytelling. The course emphasizes teamwork, creative expression, and the role of art in civic life.

## MEDIA ARTS I

**Credit: 0.5**
**Prerequisite: Successful Completion of Art Foundations OR consent of instructor**
**Grades: 9-12 (9th Gr. with consent of instructor)**
In this course, students will explore and develop their artistic skills through various media and techniques, including digital and darkroom photography, digital video, digital drawing, and mixed media. Students will focus on both traditional and digital forms of art-making, learning how to express themselves through multiple mediums.

## MEDIA ARTS II

**Credit: 0.5**
**Prerequisite: Successful Completion of Art Foundations & Media Arts 1**
**Grades: 10-12**
This course focuses on developing advanced technical skills in digital and darkroom photography, digital video, digital drawing, and mixed media. Students will focus on advancing skills in traditional and digital forms of art-making, enhancing their ability to express themselves through multiple mediums.

## MEDIA ARTS III

**Credit: 0.5**
**Prerequisite: Successful Completion of Art Foundations, Media Arts 1 & Media Arts 2**
**Grades: 10-12**
This course focuses on developing a personalized Media Arts portfolio emphasizing a specific media, theme, or artistic practice. Students will work independently to create a cohesive body of work showcasing growth in technical skills and conceptual development. Students will serve as studio assistants mentoring Media Arts 1 and 2 students and completing various studio maintenance tasks. This class may be repeated for credit.

## INDEPENDENT ART

**Credit: .5**
**Prerequisite(s): Successful Completion of Art Foundations, Levels 1 and 2 of a Studio (2D, Ceramics, Media Arts) & Teacher Consent**
**Grades: 11-12**
**Course Length: One term**
Students will work on developing a program of their choosing emphasizing a specific media, theme, or artistic behavior. Before signing up for the course, the student must meet with the instructor to discuss their plans and goals for their independent course and develop a timeline for completing various projects. Sketchbooks, research, and reflection are required components of each project. This class may be repeated for credit.

# AGRICULTURE

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| Intro to Agriculture | E | E | E | E |
| Small Animal Care & Management I | E | E | E | E |
| Small Animal Care & Management II (Exotics) | E* | E* | E* | E* |
| Wildlife Ecology | | E* | E* | E* |
| Intro to Veterinary Medicine | E* | E* | E* | E* |
| Animal Science | | E* | E* | E* |
| Plant Science | | E* | E* | E* |
| E = Elective and the year student is eligible for the course | | | | |
| * = Class has a prerequisite | | | | |

**INTRODUCTION TO AGRICULTURE**
**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**
In this course, students will be introduced to a broad overview of the agriculture industry. Topics include: History of agriculture, plant systems, animal systems, food processing and harvesting systems, natural resources, leadership, and career exploration. Hands-on experiences, and project - based learning are at the forefront of this course. This course is designed to be the framework for future agricultural science courses.

**SMALL ANIMAL CARE & MANAGEMENT I**
**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**
Students will gain a deeper understanding of skills, management, and care of small animals. Sub-units include: health, nutrition, grooming, reproduction, maintenance, and careers in small animal care. Species discussed are the following: dogs, cats, rabbits, hamsters and guinea pigs. This course is designed to prepare students for careers in the small animal care industry, such as, but not limited to: Small animal nutrition, Small animal veterinary care, small animal grooming, and small animal product production.

**SMALL ANIMAL CARE & MANAGEMENT II( EXOTICS)**
**Credit: .5**
**Prerequisite(s): Successful completion of Small Animal Care I**
**Grades: 9-12**
**Course Length: One term**

Students will gain a deeper understanding of skills, management, and care of Exotic small animals. Sub-units include: health, nutrition, grooming, reproduction, maintenance, and careers in exotic small animal care. Species discussed are the following: Fish, reptiles, and amphibians. * additional units may be added based on student interest. This course is designed to prepare students for careers in the small animal care industry, such as, but not limited to: Small animal nutrition, Small animal veterinary care, aquaculture, zoo employee and small animal product production.

## WILDLIFE ECOLOGY

**Credit: .5**
**Prerequisite(s): Successful completion of Biology**
**Grades: 10-12**
**Course Length: One term**
Students will gain knowledge and hands- on experience in the area of wildlife ecology. Topics include: History of wildlife management, wildlife management in Wisconsin, Wildlife Law, biodiversity, habitats, invasive species, pollution, water pollution and testing, forestry and Carbon sequestration. This course includes taxidermy of fish, subject to time and student interest.

## INTRODUCTION TO VETERINARY MEDICINE

**Credit: .5 (Science Equivalency)**
**Prerequisite(s): Successful completion of Biology**
**Grades: 9-12**
**Course Length: One term**
Students will learn the basic knowledge and skills on varied topics associated with veterinary medicine. Topics include: Safety, health & sanitation, Veterinary medicine terminology, zoonotic diseases, safety and handling of animals, parasitology, anatomical and physiological structures of large and small mammals, careers in veterinary medicine. *The Capstone project in this class includes a dissection lab.*

## ANIMAL SCIENCE

**Credit: .5 (Science Equivalency)**
**Prerequisite(s): Successful completion of Biology**
**Grades: 10-12**
**Course Length: One term**
In this class students will gain an understanding of Animal production practices and the science behind them. Topics include: Reproduction, genetics, animal husbandry, careers in Animal Science, meat animal production management practices, dairy animal production management practices, and fiber animal production management practices.

## PLANT SCIENCE

**Credit: .5 (Science Equivalency)**
**Prerequisite(s): Successful completion of Biology**
**Grades: 10-12**
**Course Length: One term**
Students will gain fundamental knowledge and skills related to plant science. Students will learn how to apply scientific skills to horticulture, agronomy, and forestry industries. Topics include: Plant anatomy and Physiology, classification of plants, soil systems, forestry practices, greenhouse management, and careers in Plant Science.

# BUSINESS EDUCATION

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| Accounting | | | E | E |
| Business Law & Ethics | | | E | E |
| Introduction to Business & Marketing | E | E | E | E |
| Marketing | | E*/IC | E*/IC | E*/IC |
| Microsoft Business Applications | E | E | E | E |
| Personal Finance | | | **R** | **R** |
| Yearbook | E | E | E | E |
| Yearbook Editor | | | E* | E* |

E = Elective and the year student is eligible for the course

R = Required and the year student is eligible for the course

IC = Instructor Consent

* = Class has a prerequisite

**ACCOUNTING**
**Credit: 1.0**
**Prerequisite(s): None**
**Grades: 11-12**
**Course Length: One semester**
This 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. 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. This course is recommended for students interested in the Business Management & Administration or Finance career cluster(s).

## INTRODUCTION TO BUSINESS AND MARKETING

**Prerequisite(s): None**
**Grades: 9-12**
**Credit .5**
**Course Length: One term**

Introduction to Business offers students the opportunity to begin exploring business and marketing careers, learning the fundamentals of business & marketing concepts that will prepare them for future business and marketing classes. Students will learn how to develop their creativity, and learn how to set challenging but attainable goals for themselves. Students will have exposure to compelling units that involve computer applications of business principles, banking, economics, entrepreneurship and a brief overview of the 4P's of marketing. Students will engage in learning through reading & writing exercises, individual & group assignments and practice interpersonal skill development to deliver clear, concise, accurate and courteous communication. This course is recommended for students interested in the Business Management & Administration, Marketing or Finance career cluster(s).

## BUSINESS LAW AND ETHICS

**Credit: .5**
**Prerequisite(s): None**
**Grades: 11-12**
**Course Length: One term**

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. Students will organize and present their own mock trial for local courtroom experience in the community. * Field trip(s) to local government buildings are subject to change based upon occupancy, availability and government policies. This course is recommended for students interested in the Business Management & Administration, Government & Public Administration or the Law, Public Safety, Corrections & Security career cluster(s).

## MARKETING

**Credit: .5**
**Prerequisite(s): Introduction to Business and Marketing or consent of instructor**
**Grades: 10-12**
**Course Length: One term**

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. This course is recommended for students interested in the Business Management & Administration or Marketing career cluster(s).

## MICROSOFT BUSINESS APPLICATIONS

**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**

This course emphasizes personal-use skills on the computer using Microsoft Office. 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 recommended for students interested in the Business Management & Administration, Education & Training career cluster(s).

## PERSONAL FINANCE (Graduation Requirement)

**Credit: .5**
**Prerequisite(s): None**
**Grades: 11-12**
**Course Length: One term**

This course is designed to help students learn the basic skills needed to live “on your own!” Students will learn how to 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(s): Consent of instructor**
**Grades: 9-12**
**Course Length: One semester**

Students will engage in project based learning. Students will develop and design a layout, design techniques, desktop publishing programs, and photography. Students will cover 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 will be required to work outside of class taking photographs and doing page layouts to meet deadlines as part of their grade.**

## YEARBOOK EDITOR

**Credit: .5**
**Prerequisite(s): Successful Completion of Yearbook & Consent of instructor**
**Grades: 11-12**
**Course Length: One term**

This course is for independent, self-motivated students who have experience working on the yearbook. **Students will be responsible for final completion of the yearbook and will be required to commit to after school events to take photographs and layouts to meet deadlines as part of their grade.**

# COLLEGE & CAREER READINESS

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| College and Career Readiness | | **R** | **R** | **R** |
| College Success | | | | E |
| E = Elective and the year student is eligible for the course | | | | |
| R = Required and the year student is eligible for the course | | | | |

**COLLEGE AND CAREER READINESS (Graduation Requirement)**
**Credit: .5**
**Grade: 10**
**Prerequisite(s): None**
**Course Length: One term**
Do you know what it means to be College and Career Ready? This course is aligned with Wisconsin's Academic and Career Planning initiative to help students develop the skills needed to be prepared for postsecondary education and the workforce. They will use an online platform to determine career interests, explore career and college options and create a four-year course plan. Students will learn what employers are really looking for and complete a cover letter, resume, and sample job applications. All students will be expected to participate in a job shadow and a mock interview. At the completion of this course, students will have a better understanding and more developed skills to be successful in post-secondary education and the workforce.

**COLLEGE SUCCESS**
**Credit: .5**
**Prerequisite(s): Successful completion of College & Career Readiness**
**Grade: 12**
**Course Length: One term**
This course will help students prepare for college readiness. Students will focus on a variety of topics including: study skills, time management, self advocacy, self management, how to apply for scholarship, and complete a profile with a resume.

# COMPUTER SCIENCE

**.5 credit required for graduation**

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| Introduction to Computer Science | E | E | E | E |
| 3D Design and Animation | E | E | E | E |
| Advanced 3D Design and Animation | | E* | E* | E* |
| Digital Multimedia | E | E | E | E |
| Advanced Digital Multimedia | E* | E* | E* | E* |
| Digital Video Production | | E*/IC | E*/IC | E*/IC |
| Website Development | E | E | E | E |
| Advanced Website Development | | E* | E* | E* |
| Introduction to Programming with Java | E*/IC | E*/IC | E*/IC | E*/IC |
| Advanced Programming with Java | E* | E* | E* | E* |
| Programming with C | E*/IC | E*/IC | E*/IC | E*/IC |
| Programming with Swift | E* | E* | E* | E* |
| Introduction to Programming with Python | E*/IC | E*/IC | E*/IC | E*/IC |
| Independent Studies | | | E*/IC | E*/IC |
| Independent Studies in Programming | | | E*/IC | E*/IC |

E = Elective and the year student is eligible for the course

IC = Instructor Consent

* = Class has a prerequisite

### INTRODUCTION TO COMPUTER SCIENCE

**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**

A 9-week course that provides a foundational understanding of computer science principles and their real-world applications. Designed for learners of all backgrounds, it covers key topics such as computing fundamentals, data representation, and algorithmic thinking. Students will gain hands-on experience through programming with Python, exploring electronics and computer interfacing with Raspberry Pi, and completing practical projects that connect hardware and software concepts. With an emphasis on the societal impact and relevance of technology, this course prepares participants with the knowledge, skills, and confidence to thrive in the modern digital world.

## 3D DESIGN AND ANIMATION

**Credit: .5**
**Prerequisite(s): None**
**Grade Level: 9-12**
**Course Length: One term**
An introductory course for aspiring artists and designers interested in learning 3D modeling and animation using Blender. Students will explore core concepts such as modeling, sculpting, texturing, UV mapping, lighting, rendering, and compositing, along with animation principles, rigging, particle systems, and rigid body physics. Through hands-on projects, participants will create original 3D objects and scenes that develop their technical skills and artistic creativity. By the end of the course, students will have built a portfolio showcasing their work and be ready to advance further in the field of 3D design and animation.

## ADVANCED 3D DESIGN AND ANIMATION

**Credit: .5**
**Prerequisite(s): Successful Completion of 3D Design and Animation**
**Grades: 10-12**
**Course Length: One term**
A comprehensive course for students seeking to elevate their 3D skills using Blender's advanced tools and features. Building on foundational knowledge, the course delves into complex modeling, sculpting, retopology, and modifier use, along with texture painting, UV mapping, and realistic rendering using Cycles and Eevee. Students will also master rigging, character animation, and dynamic simulations involving particles, fluids, and cloth. Through professional-level projects, participants will gain the expertise needed to produce high-quality 3D work suitable for careers in game design, film production, and digital art.

## DIGITAL MULTIMEDIA

**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**
A 9-week course that introduces students to the creative and technical aspects of digital design and multimedia production using Affinity by Canva. Students will learn vector illustration, photo editing, and publishing techniques through hands-on projects that build a portfolio of professional-quality work. Key lessons cover creating vector graphics, editing and compositing photos, designing layouts for print and digital media, and, if time permits, exploring basic video editing with iMovie. By the end, participants will have a strong foundation in multimedia tools and production, ready to apply their skills to creative or professional pursuits.

## ADVANCED DIGITAL MULTIMEDIA

**Credit: .5**
**Prerequisite(s): Successful Completion of Digital Multimedia**
**Grades: 9-12**
**Course Length: One term**
A 9-week course designed for students eager to refine their digital design and production skills through advanced tools and techniques. Building on prior experience, the course deepens knowledge in Affinity by Canva while introducing professional video and audio tools such as Final Cut Pro, Motion, GarageBand, and Audacity. Students will master complex vector design, advanced photo editing, animation, visual effects, and sound production to create polished multimedia projects. By the end, participants will produce professional-quality work that demonstrates their creative and technical expertise across visual and audio media.

## DIGITAL VIDEO PRODUCTION

**Credit: .5**
**Prerequisite(s): Successful completion of Advanced Digital Multimedia or consent of instructor.**
**Grades: 10 - 12**
**Course Length: One term**
A 9-week course that introduces students to the full process of creating professional-quality videos through hands-on experience with industry-standard equipment and software. Students will learn camera operation, lighting, sound recording, and green screen techniques, while also developing skills in nonlinear editing using tools like iMovie and Final Cut Pro. The course covers key aspects of filming, directing, and production management, giving participants the opportunity to fulfill different roles such as producer, camera operator, and editor. By the end, students will have produced original video projects and gained a strong foundation in every stage of digital video production.

## WEBSITE DEVELOPMENT

**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**
A 9-week introductory course designed for beginners to learn the fundamentals of building and designing websites using HTML, CSS, and basic JavaScript. Students will explore how to structure webpages with HTML, style them with CSS for visual appeal and responsive layouts, and add interactivity through simple JavaScript functions and event handling. The course also covers key web design principles such as usability, accessibility, and effective aesthetics. Through hands-on, project-based learning, participants will create their own functional websites and gain the foundational skills needed to continue developing as web designers and developers.

## ADVANCED WEBSITE DEVELOPMENT

**Credit: .5**
**Prerequisite(s): Successful Completion of Website Development**
**Grades: 10-12**
**Course Length: One term**
A course for students ready to expand their skills in creating dynamic, data-driven web applications. Building on foundational knowledge, the course emphasizes advanced JavaScript techniques, including asynchronous programming, APIs, and ES6+ features, as well as jQuery for efficient DOM manipulation. Students will also learn the basics of database design using SQL and NoSQL systems and gain experience with PHP for server-side scripting, form handling, and database integration. By the end, participants will be able to develop robust, interactive websites that combine client-side interactivity with powerful backend functionality.

## INTRODUCTION TO PROGRAMMING WITH JAVA

**Credit: .5**
**Prerequisite(s): Successful Completion of Algebra I OR  Consent of instructor**
**Grades: 9-12**
**Course Length: One term**
A beginner-friendly course that teaches fundamental programming concepts through the versatile Java language. Students will learn essential topics such as variables, data types, control structures, and object-oriented programming, including classes, inheritance, and polymorphism. The course covers Java syntax, input/output handling, file management, debugging techniques, and basic data structures like arrays and lists. Through hands-on coding exercises and collaborative projects, participants will gain the practical skills needed to write and troubleshoot Java programs, laying the groundwork for future programming studies and applications.

## ADVANCED PROGRAMMING WITH JAVA

**Credit: .5**
**Prerequisite(s): Successful Completion of Programming with Java**
**Grades: 9-12**
**Course Length: One term**

A course designed for students who are ready to take their skills to the next level. Building on core programming principles, this course explores advanced object-oriented programming concepts, including design patterns, inheritance, and polymorphism, while emphasizing writing efficient and maintainable code. Students will study concurrency, multithreading, and advanced data structures such as trees, graphs, and hash tables, alongside robust error handling and debugging techniques. Through hands-on coding and project work, participants will develop the expertise needed to build complex, high-performance Java applications suited for real-world development.

## PROGRAMMING WITH C

**Credit: .5**
**Prerequisite(s): Successful Completion of Algebra I OR Consent of instructor**
**Grades: 9-12**
**Course Length: One term**

An introductory course designed for beginners to develop a strong foundation in programming using the C language. Students will learn essential concepts such as C syntax, program structure, data types, variables, control structures, functions, arrays, and strings, while also exploring pointers and memory management for efficient programming. Through hands-on coding exercises and practical projects, participants will gain problem-solving experience and build confidence in writing, compiling, and debugging C programs. Students will possess the core skills needed to continue their studies in computer science and software development.

## PROGRAMMING WITH SWIFT

**Credit: .5**
**Prerequisite(s): Successful Completion of Introducing Programming with C.**
**Grades: 9-12**
**Course Length: One term**

An introductory course for beginners eager to learn programming through Apple’s modern and versatile Swift language. Students will explore key programming concepts such as syntax, variables, data types, control flow, and functions, along with closures for functional programming. The course also introduces object-oriented principles like classes, inheritance, and encapsulation, as well as data management with arrays, dictionaries, and sets. Through hands-on exercises and projects, participants will practice error handling and problem-solving while building a foundation for app development across iOS, macOS, and other Apple platforms.

## INTRODUCTION TO PROGRAMMING WITH PYTHON

**Credit: .5**
**Prerequisite(s): Successful completion of Algebra I OR consent of instructor**
**Grades: 9-12**
**Course Length: One term**

Introduction to Programming with Python is a 9-week course that guides beginners through the fundamentals of coding while introducing advanced concepts for real-world applications. Students will learn core programming principles such as variables, loops, conditionals, functions, and object-oriented programming with classes and inheritance. The course also covers essential data structures, algorithms, file handling, and data persistence using formats like JSON and CSV. Participants will explore Python libraries such as NumPy and Pandas and conclude with a hands-on project creating a simple web application using Flask. By the end, students will be able to write, analyze, and implement Python programs confidently, ready to advance in computer science or software development.

## INDEPENDENT STUDIES

**Credit: .5**
**Prerequisite(s): Consent of Instructor and successful completion of introductory courses.**
**Grades: 11 - 12**
**Course Length: One term**

Students seeking to go beyond standard course offerings have the opportunity to design an independent study in collaboration with the instructor. These customized courses are tailored to individual interests and goals, allowing students to explore specialized topics in greater depth. Past examples include using Python to control sensors connected to a Raspberry Pi, creating advanced 3D animation projects, mastering complex features of the Affinity software suite, and developing deeper expertise in various programming languages.

## INDEPENDENT STUDIES IN PROGRAMMING

**Credit: .5**
**Prerequisite(s): Consent of Instructor and successful completion of introductory courses.**
**Grades: 11 - 12**
**Course Length: One term**

Independent Studies is a 9-week personalized course designed for students who wish to build upon foundational skills and explore advanced concepts beyond the scope of introductory classes. Working closely with the instructor, students will develop an individualized plan focused on their chosen area of interest, which may include 3D design and animation, vector art, photo editing, video production, or a blend of these topics. The course emphasizes hands-on projects and independent research, encouraging students to apply creativity, technical skill, and critical thinking to produce innovative, high-quality work that reflects their personal artistic and professional goals.

# ENGLISH

**4.0 credits required for graduation**

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| English 9 | **R** | | | |
| English 10 | | **R*** | | |
| English 11 | | | **R*** | |
| English 11 Honors | | | **R*/IC** | |
| English 12 | | | | **R*** |
| AP English Literature | | | | **R*/IC** |
| Creative Writing | | | E* | E* |
| Mythology | | | E* | E* |
| The Novel | | | E* | E* |

E = Elective and the year student is eligible for the course

R = Required and the year student is eligible for the course

IC = Instructor Consent

* = Class has a prerequisite

**ENGLISH 9 (Graduation Requirement)**
**Credit: 1.0**
**Prerequisite(s): None**
**Grade: 9**
**Course Length: One semester**

This course introduces students to a variety of literature, including fiction, nonfiction, poetry and drama. 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 in writing. Students will complete a literary analysis for argumentative, informative and persuasive essays while practicing writing skills through journaling, workbooks and essays.

**ENGLISH 10 (Graduation Requirement)**
**Credit: 1.0**
**Prerequisite(s): Successful Completion of English 9**
**Grade: 10**
**Course Length: One semester**

Students will write 3-4 formal essays including literary analysis and compare/contrast. Students will practice reading & writing strategies, develop vocabulary and Grammar/revision techniques throughout the semester. Through the writing process students will continue to expand upon the conventions of the English language. Students should be prepared to read a variety of literature, including plays, and novels.

**ENGLISH 11 (Graduation Requirement)**
**Credit: 1.0**
**Prerequisite(s): Successful Completion of English 9, & English 10**
**Grade: 11**
**Course Length: One semester**
Students will develop and practice critical reading strategies, analyzing and evaluating a variety of literary texts. Students will explore a variety of texts including short stories, poetry, drama, and both multicultural and American novels. Students will utilize listening techniques, and participate in oral and written communication through various formats including small & large group discussions. Students will continue to develop comprehension skills to draw inferences, and interpret texts assigned. Students will then write analytically and respond to literature review(s).

**ENGLISH 11 HONORS (Required for AP English & Consent of Instructor)**
**Credit: 1.0**
**Prerequisite(s): Successful Completion of English 9 and English 10**
**Grade: 11**
**Course Length: One semester**
Students will have the opportunity to take a deeper dive into literature through novels, plays, poetry, short stories and non-fiction texts. Students will engage in critical reading and writing strategies that will be used as a catalyst to advance in reading, writing development, and Grammar/revision techniques. Students will synthesize information from multiple sources, practice perspective taking to equip students to produce polished analytical writing pieces. Note: This course is designed to be rigorous and preparatory for students considering 4-year postsecondary education options.

**ENGLISH 12 Eligible for Dual Credit with Madison College (graduation requirement)**
**Credit: 1.0**
**Prerequisite(s): Successful Completion of English 9, English 10 & English 11**
**Grades: 12**
**Course Length: One semester**
This dual enrollment course teaches students the skills needed to approach, navigate, and comprehend their course textbooks as well as the other college-level readings that include: essays, articles, arguments and perspective. 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 can earn credit from Madison College, and can enter English 1 in post secondary schools.

**AP ENGLISH LITERATURE (Advanced Placement/ Consent of Instructor)**
**Credit: 1.0**
**Prerequisite(s): Successful Completion of English 9, English 10, English 11 Honors, or consent of instructor**
**Grades: 12**
**Course Length: One Year (includes ½ block study hall)**
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. All AP exams will be administered in spring semester each year. The cost of the exam for the 2026-2027 school year is $99 per test.** Please contact student services for more information on course waiver fee eligibility. *For more information please visit* ***www.apcentral.collegeboard.com***

## CREATIVE WRITING

**Credit: .5**
**Prerequisite(s): Successful Completion of English 9 & English 10**
**Grades: 11-12**
**Course Length: One term**

Students will be inspired to develop a deeper understanding of their own writing process through self-assessment, self-correction, peer critique process. Students will have the opportunity to explore different genres of creating writing. Students will participate in the writing process by brainstorming ideas, developing a plan, and revision techniques with peers.

## MYTHOLOGY

**Credit: .5**
**Prerequisite(s): Successful Completion of English 9 & English 10**
**Grades: 11-12**
**Course Length: One term**

Students will begin with an introduction and overview to Greek Mythology. Students will examine Sophocles' Oedipus Cycle trilogy through text readings & group discussion, assessments and engage in independent project based learning. Students will examine the depths of the mythological systems and compare and contrast similarities/differences through meaningful group discussions. Students will consider how powerful tales & ancient stories can shape our modern world today. Students will demonstrate their knowledge by completing a formal essay or independent hands-on project with a formal presentation.

## THE NOVEL

**Credit: .5**
**Prerequisite(s): Successful Completion of English 9 & English 10**
**Grades: 11-12**
**Course Length: One term**

Students will examine contemporary literature texts and interpret & analyze literature from specific era(s) geographic locations, identities and backgrounds. Students should be prepared to read three current/modern novels and learn about prominent literary criticism techniques including: formalism, reader response, feminism, Marxism and more. Students will gain a better understanding of these frameworks and broaden their understanding of themselves and others in a global society. Students will strengthen their growth mindset, and perspective taking abilities.

# FAMILY AND CONSUMER SCIENCES

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| Assistant Childcare Teacher (ACCT) | | | E* ^ | E* ^ |
| Children and Parenting | E | E | E | E |
| Foods I | E | E | E | E |
| Foods II | E* | E* | E* | E* |
| Foods III | | E* | E* | E* |
| Hospitality Careers | E | E | E | E |
| Housing and Interior Design | E | E | E | E |
| Sewing I | E | E | E | E |
| Textile Arts | E | E | E | E |
| Deerfield Elementary School Mentor | | E | E | E |
| Medical Terminology | | E | E | E |
| E = Elective and the year student is eligible for the course | | | | |
| * = Class has a prerequisite | | | | |
| ^ = Eligible for ACCT industry-recognized credential certificate | | | | |

**ASSISTANT CHILDCARE TEACHER (ACCT)**
**Credit: .5**
**Prerequisite(s): Successful Completion of Childhood Development &**
**17 years old before the beginning of the class start date.**
**Grades: 11-12**
**Course Length: One term**

Students will be assigned a daycare placement at a community site to expand upon foundational knowledge & skills, engage in developmental lesson planning and health & safety protocols when working with infants & toddlers. Students will have the opportunity for observational learning off site and hands-on teaching experience. Students may be required to complete a background check and fee prior to placement. This course is recommended for students interested in the Education and Training career cluster. **This course is eligible for the Assistant Childcare Teacher (ACCT) industry-recognized credentialing certificate for a student that achieves a satisfactory grade of a "C" and 85% attendance rate.**

## CHILDREN AND PARENTING

**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**

This course is designed for students interested in learning more about reproduction, prenatal developmental, childhood milestones and fundamental parenting skills. Students will have the opportunity to practice hands-on infant care with baby simulators, learn about the complexities of pregnancy, potential challenges specific to teenage pregnancy, adapting to parenthood and the role of family. This course provides pertinent information for students interested in the Education and Training, Health Science and Human Services career clusters.

## FOODS I

**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**
**Fee: $ 25.00**

This introductory course focuses on food safety and sanitation basics, fundamental knife and measuring techniques, reading recipes, MyPlate and nutrition, essential cooking/baking terminology, and careers in the culinary field. Students will develop foundational skills, explore basic food preparation, and examine various career pathways available in the culinary field. Please contact student services for more information on course waiver fee eligibility.

## FOODS II

**Credit: .5**
**Prerequisite(s): Successful Completion of Foods I (C or higher recommended)**
**Grades: 9-12**
**Course Length: One term**
**$ 25.00**

Building upon the foundations of Foods I, this course deepens essential food preparation skills. Students will explore and practice intermediate cooking and baking techniques with a focus on core ingredients. Key topics include protein and starch preparation (meat, eggs, and pasta), yeast and quick breads, creating stocks and soups, using herbs and spices to build flavor, and advanced sandwich construction. Please contact student services for more information on course waiver fee eligibility.

## FOODS III

**Credit: .5**
**Prerequisite(s): Successful Completion of Foods I & II (C or higher recommended)**
**Grades: 10-12**
**Course Length: One term**
**Fee: $25.00**

This course challenges students to master complex techniques and refined food preparation skills. Key topics include beef and pork fabrication, mother sauces, pasties, cake decorating, exploration of global cuisines, and an in-depth chef research project. Advanced cooking, baking and food preparation techniques will be explored. Please contact student services for more information on course waiver fee eligibility.

## HOSPITALITY CAREERS

**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**
**Fee: $25.00**

This course is designed to help students in grades 9-12 explore careers in the Hospitality & Tourism industry. The course focuses on the four pathways of the Hospitality & Tourism clusters: 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 serving food and table etiquette will also be covered in class. Please contact student services for more information on course waiver fee eligibility.

## HOUSING AND INTERIOR DESIGN

**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**

This course provides students with historical information of housing, furnishings and the principles of design 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: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**

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/notions, construction methods, care of clothing and sewing projects. Students will focus on interpreting instructions precisely and demonstrate following patterns with accuracy and precision. Students are required to provide the following materials/supplies for project completion: fabric, pattern, notions, and sewing equipment. Please contact student services for any student that may need to request materials or funding availability.

## TEXTILE ARTS

**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**

This course provides an introduction to creative use of textiles, fibers, fabrics, yarns and threads. Students will explore basic techniques and complete independent projects that may include knitting, crocheting, cross-stitch, needlepoint, embroidery and quilting. Students will focus on interpreting instructions precisely and demonstrate following patterns with accuracy and precision. Students will be provided materials for the embroidery project, mini quilt, crochet and knitting samples. Students are required to provide any necessary supplies/materials for their independent project. Please contact student services for any student that may need to request materials or funding availability. This course provides relevant content information for students interested in the following career clusters: Hospitality & Tourism, Arts, Audio/Video Technology and Communications.

## DEERFIELD ELEMENTARY SCHOOL MENTOR (DES MENTOR)

**Credit: .5 Pass/Fail Grade - Determined by Assigned Elementary Teacher(s) Advisor**
**Prerequisite(s): Mentor Contract, Child and Parenting Course or Red Cross "Babysitting"**
**Certification Grades: 10-12**
**Course Length: One term**

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 school counselor and pick up a contract in the Student Services Office.

## MEDICAL TERMINOLOGY

**Credit: .5**
**Prerequisite(s): Successfully completion of Biology 9**
**Grade(s): 10-12**
**Course Length: One term**

The Medical Terminology class is designed to provide students with the fundamental knowledge of medical terminology. The course focuses on the component parts of medical terms: prefixes, suffixes and word roots. Students practice formation, analysis and reconstruction of terms. Emphasis on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology.

# WORLD LANGUAGE EDUCATION

**2.0 credits recommended for 2-4 year college/universities**

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| Spanish I | E | E | E | E |
| Spanish II | E* | E* | E* | E* |
| Spanish III | | E* | E* | E* |
| Spanish IV | | E* | E* | E* |
| E = Elective and the year student is eligible for the course | | | | |
| * = Class has a prerequisite | | | | |

## SPANISH I

**Credit: 1.0**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One semester**

This course introduces students to the Spanish language as they begin to develop the four basic language skills of speaking, reading, listening, and writing. Students will learn how to interact with each other, provide basic narrations, and engage in simple questioning techniques as they acquire beginning grammar structures and vocabulary in areas such as personal characteristics and hobbies, food, time, daily life, class schedules, family, and celebrations. At this level, students will be exposed to cultural comparisons, and will read a level appropriate book in Spanish.

## SPANISH II

**Credit: 1.0**
**Prerequisite(s): Successful Completion of Spanish I**
**Grades: 9-12**
**Course Length: One semester**

This course begins with a brief review of Spanish I. Increased emphasis will be placed on interpersonal and communication skills as students work with more complex grammar structures, such as the preterit and imperfect verb tenses. Through culture, conversations, presentations, reading, and writing, students will continue to develop their language skills, with more focus on effective communication. Students will continue their exposure to literature and content acquisition with a level appropriate book in Spanish.

## SPANISH III

**Credit: 1.0**
**Prerequisite(s): Successful Completion of Spanish II (C- or better recommended)**
**Grades: 10-12**
**Course Length: One semester**

This course begins with a brief review of Spanish II. Students will focus on vocabulary acquisition in topics such as competition, extracurriculars, art, health, relationships, and job skills as they focus on more complex verb tenses, such as commands and the subjunctive. Focus will be placed upon developing confidence in speaking and communication abilities, encouraging personal expression. Through culture, conversations, presentations, reading, and writing, students will show evidence of their progress. Students will improve their reading and interpretational skills through increased exposure to reading and literature.

## SPANISH IV

**Credit: 1.0**
**Prerequisite(s): Successful Completion of Spanish III (C- or better recommended)**
**Grades: 10-12**
**Course Length: One semester**

This course will continue to review and build upon the previous three levels. Language skills will be developed using more complex grammar concepts and vocabulary acquisition related to novels read in class, student interest, and thematic topics such as storytelling, relationships, the environment, and technology. Emphasis will be placed upon communicating effectively in the target language. Literature and reflection will play a more important role in the classroom, stimulating discussion and interpretational skills.

# HEALTH

**.5 credit required**

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| Health 9 | **R** | | | |
| Contemporary Health Issues | | E*/IC | E* | E* |
| E = Elective and the year student is eligible for the course | | | | |
| R = Required and the year student is eligible for the course | | | | |
| IC = Instructor Consent | | | | |
| * = Class has a prerequisite | | | | |

**HEALTH 9 (Graduation Requirement)**
**Credit: .5**
**Prerequisite(s): None**
**Grades: 9**
**Course Length: One term**
Health Education is a comprehensive course that will build the skills necessary to help lead a healthy life and make lifelong positive life choices. Students will explore many aspects of physical, social and emotional wellness. Students will participate in a variety of units including: Health & Wellness, Healthy Decision Making, Managing Mental Health, Stress Management, Nutrition, Conflict Management, Healthy Relationships, Healthy Decision Making VS. Risk-Taking Behaviors involving illegal substances & sexual activity, Abuse & Violence Prevention. Please contact the Physical Education Department for specific questions or concerns related to human growth & development curriculum.

**CONTEMPORARY HEALTH ISSUES**
**Credit: .5**
**Prerequisite: Successful Completion of Health 9**
**Grade: 11-12 (10th grade consent of instructor)**
**Course Length: One term**
This course is designed to assist students in obtaining accurate information, developing lifelong positive attitudes, healthy 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.

# MATHEMATICS
## 3.0 credits required

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| Algebra I | **R** | **R** | | |
| Geometry | **R*** | **R*** | | |
| Algebra II | | E* | E* | E* |
| Math Reasoning | | | E* | E* |
| Probability and Statistics | | | E* | E* |
| Pre-Calculus | | | E* | E* |
| AP Calculus AB | | | E* | E* |
| E = Elective and the year student is eligible for the course | | | | |
| R = Required and the year student is eligible for the course | | | | |
| * = Class has a prerequisite | | | | |

**ALGEBRA I (Graduation Requirement)**
**Credit: 1.0**
**Prerequisite(s): None**
**Grades: 9-10**
**Course Length: One Semester**
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**. Scientific calculators are recommended (TI-30X or similar).**

**GEOMETRY (Graduation Requirement)**
**Credit: 1.0**
**Prerequisite(s): Successful Completion of Algebra I**
**Grades: 9-10**
**Course Length: One Semester**
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).**

**ALGEBRA II**
**Credit: 1.0**
**Prerequisite(s): Successful Completion of Algebra 1 & Geometry**
**Grades: 10-12**
**Course Length: One Semester**
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 analytic trigonometry. Students considering postsecondary education at a four year college are strongly encouraged to complete Algebra II.

## MATH REASONING

**Credit: 1.0**
**Prerequisite(s): Successful Completion of Algebra I & Geometry**
**Grades: 11-12**
**Course Length: One Semester**
All college students regardless of their college major need to be able to make reasonable decisions about fiscal, environmental, and health issues that require quantitative reasoning. A collaborative, activity-based approach is used in this course to explore numerical relationships, graphs, proportional relationships, algebraic reasoning, and problem solving using linear, exponential, and other mathematical models. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts.

## PROBABILITY AND STATISTICS

**Credit: 1.0**
**Prerequisite(s): Successful Completion of Algebra I & Geometry**
**Grades: 11-12**
**Course Length: One Semester**
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.

## PRE-CALCULUS

**Credit: 1.0**
**Prerequisite(s): Successful Completion of Algebra I, Geometry & Algebra II**
**Grades: 11-12**
**Course Length: One Semester**
This course will have a strong emphasis on functions, trigonometry, and sequences. This course prepares a student to take Calculus. This course is highly recommended for students interested in math, science, or engineering careers.

## AP CALCULUS AB (Advanced Placement)

**Credit: 1.0**
**Prerequisite(s): Successful Completion of Algebra II & Pre-Calculus**
**Grades 11-12**
**Course Length: Full year (half block of class and half block of study hall)**
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."**All AP exams take place in early May. The cost for the AP Calculus exam is $99 per test and is subject to change each school year. Specific AP information may be found at www.apcentral.collegeboard.com**

# MUSIC EDUCATION

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| Band | E | E | E | E |
| Musical/Choir (T1) | E | E | E | E |
| Concert Choir (T2, T3, T4) | E | E | E | E |
| Piano Class | E | E | E | E |
| Music Technology I | | E*/IC | E*/IC | E*/IC |
| Music Technology II | | E* | E* | E* |
| Music Theory | E | E | E | E |
| Theater Production | E | E | E | E |
| Treble Choir (Zero Hour) | E* | E* | E* | E* |
| Show Choir (Zero Hour) | E* | E* | E* | E* |
| E = Elective and the year student is eligible for the course | | | | |
| IC = Instructor Consent | | | | |
| * = Class has a prerequisite | | | | |

*The Music Department offers a comprehensive music education that enables students to develop and nurture their musical abilities, interests and talents. Music Education courses are designed to embrace a student's creativity, artistic expression, promote emotional intelligence and strengthen cognitive abilities. Students participating in music programs have the unique opportunity to increase their self-awareness, self-confidence and deepen peer & community connections. Performing in musical groups fosters teamwork, self-management skills & time management. Students that need assistance in obtaining an instrument should contact the music department prior to the start of the school year. Please contact student services for assistance with concert attire for concert performances.*

## BAND

**Credit: 1.0**
**Prerequisite(s): An interest in musical instruments and group performance**
**Grades: 9-12**
**Course Duration: Full year**

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. Students have the unique experience of performing as a marching band, a pep band, and in small ensembles. Students are responsible for participating in all rehearsals and required to attend performances outside of the regular school day as part of their grade. This course may be taken multiple times. **Students are strongly encouraged to arrange transportation for rehearsals & concerts prior to the start of class.**

## MUSICAL ( T1)

**Credit 0.125 (if opposite Band) or 0.25 (every day)**
**Prerequisite(s): None**
**Grades 9-12**
**Course Duration: 1st Term**

Students who want to participate in the school's musical in November must enroll in Musical. This includes students on stage and students on stage crew. They will receive credit for this 1st quarter class. Musical meets during the "choir" period 3rd block opposite of band. **Students are strongly encouraged to arrange transportation for musical rehearsals.**

## CONCERT CHOIR (T2, T3, AND T4)

**Credit:0.375 (if opposite Band) or 0.75 (every day)**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: 2nd-4th Term**

This course is for anyone interested in singing. Students will learn teamwork, leadership and confidence skills through basic music-reading skills, learning how to hear and sing harmony while studying various types of music, learning how to connect and communicate with an audience, as well as learning how to work collaboratively towards a common goal. Students are required to attend performances outside of the regular school day as part of their grade. **Students are strongly encouraged to arrange transportation for rehearsals & concerts prior to the start of class.**

## PIANO CLASS

**Credit: .5**
**Prerequisite(s): None**
**Grades: 9-12**
**Course Length: One term**

In beginning piano, students will learn basic piano technique, score reading, and music literacy through daily assignments that encompass scales, chords, and short pieces. Students will perform a longer piece for their class at the end of the quarter. Students are not required to have access to a Piano outside of class however it is recommended.

## MUSIC TECHNOLOGY I

**Credit: .5**
**Prerequisite(s): Ability to read music, play an instrument, and/or sing. Students with no prior music background and interested in careers related to the music industry will need consent of the instructor prior to the start of the class.**
**Grades: 10-12**
**Course Length: One term**

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.

## MUSIC TECHNOLOGY II

**Credit: .5**
**Prerequisite(s): Successful Completion Music Technology I or consent of instructor**
**Grades: 10-12**
**Course Length: One term**
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.

## MUSIC THEORY

**Credit: .5**
**Prerequisite(s):None**
**Grades: 9-12**
**Course Length: One term**
Students will begin with music literacy & fundamental concepts including: music history, learn how to read notes and discover the intricacies of reading music. Students will apply musical fundamentals and expand upon why we interpret music the way we do. This course will inspire students to music that is pleasing to the human ear! Students will develop musicianship skills and go into exploration of melodic and harmonic progression. Students that demonstrate mastery of these skills will begin formal part writing and analysis.

## THEATER PRODUCTION

**Credit: .5**
**Prerequisite(s):None**
**Grades: 9-12**
**Course Length: One term**
Students interested in Theater Production will examine theatrical work from the lens of the Director, Producer, Actor(s), Set Designer(s), Make Up, Props and Costume Designer(s). Students will learn theatre vocabulary and appropriate etiquette in preparation of a musical performance.Students will go through the process of what happens between signing the rights for a show through the first rehearsal. Students will then have the opportunity to analyze the effectiveness of design and technical elements for a theatrical production. Concurrent enrollment in a performance ensemble class (Band or Choir) is recommended. Note: The set design will be created one school year in advance.

## SHOW CHOIR – "0" HOUR (7:00 – 7:45 A.M.) Transportation required

**Credit: .75 (3 days a week)**
**Prerequisite(s): Audition, concurrent enrollment in Concert Choir**
**Grades: 9-12**
**Course Length: Full year**
In this course, students will work on various styles of music, including dance routines that are done with the vocals. Students will commit to attending performances and community service projects outside of the school day. **This course is three days a week with a prompt start time and attendance taken.**

## TREBLE CHOIR – "0" HOUR (7:00 – 7:45 A.M.) Transportation required

**Credit: .5 (2 days a week)**
**Prerequisite(s): Audition, concurrent enrollment in Concert Choir**
**Grades: 9-12**
**Course Length: Full year**
This course is designed for altos and sopranos. 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 performances and community service projects outside of the school day. Students will commit to evening, weekend and rehearsals as needed. **This course is two days a week with prompt start time and attendance taken.**

# PHYSICAL EDUCATION

**1.5 credits required**

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| Physical Education 9 | **R** | | | |
| Outdoor Adventure and Team Activities | | E* | E* | E* |
| The World of Sports | | E* | E* | E* |
| Fitness for Life | | E* | E* | E* |
| Life of an Athlete and Healthy Individual | | | E* | E* |
| E = Elective and the year student is eligible for the course | | | | |
| R = Required and the year student is eligible for the course | | | | |
| * = Class has a prerequisite | | | | |

**PHYSICAL EDUCATION 9 (Graduation Requirement)**
**Credit: .5**
**Prerequisite(s): None**
**Grades: 9**
**Course Length: One Term**
Physical Education 9 is a course that provides opportunities for students to experience a wide variety of physical activities to promote lifelong health and wellness. Through this quarter-long course, students will strive to refine various motor skills and movement patterns, increase understanding of activity strategies, concepts, and enhance physical fitness knowledge and performance. Participation in team-based fitness and lifetime activities throughout the course will help students develop skills in teamwork, sportsmanship, and effective communication skills. This course will challenge students to form intrinsic connections to the importance of lifelong physical activity. Please contact student services for more information on course waiver fee eligibility.

**LIFE OF AN ATHLETE AND HEALTHY INDIVIDUAL**
**Credit: .5**
**Prerequisite(s): Successful Completion of PE 9**
**Grades: 11-12**
**Course Length: One Term**
This class will incorporate components of anatomy, kinesiology, nutrition & physiology. Students will learn about the human body systems and how the body responds before, during and after exercise. Students will gain knowledge on how different types of physical exercise affect performance and how our body can benefit from proper nutrition for optimal health benefits. Students have the opportunity to engage in independent and structured group activities. Students will individually track their progress with a physical activity log to improve their fitness level. This course will incorporate a mixture of classroom instruction, gym/weight facility and outdoors weather permitting.

## OUTDOOR ADVENTURE & TEAM ACTIVITIES

**Credit: .5**
**Prerequisite(s): Successful Completion of PE 9**
**Grades: 10-12**
**Course Length: One Term**
**Fee: $35.00**

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. Please contact student services for more information on course waiver fee eligibility. Students' ability to repeat this class is prioritized by unmet graduation requirements and is not guaranteed.

## THE WORLD OF SPORTS

**Elective Credit: .5**
**Prerequisite(s): Successful completion of PE 9**
**Grades: 10-12**
**Course Length: One Term**
**Fee: $20.00 Field Trip/Materials**

Calling all students interested in sports & making money! Students will have the unique opportunity to learn about the principles of sport officiating in the classroom and gain observational experience to assist in developing a coaching style. Students will engage in leadership activities and demonstrate coaching competencies in real time physical education classes with peers. Students will use their officiating knowledge, skills and techniques necessary to gain certification by the Wisconsin High School Athletic Association (WIAA). This course will incorporate a mixture of classroom and gym instruction. Students can expect to learn the officiating skills and then put them to the test in a physical education class. Please contact student services for more information on course waiver fee eligibility.

## FITNESS FOR LIFE

**Elective Credit: .5**
**Prerequisite(s): Successful completion of PE 9**
**Grades: 10-12**
**Course Length: One Term**
**Fee:**

Looking for a less competitive P.E. class? This course revolves around the basic concepts of health and wellness; emphasizing the physiological principles and benefits of exercise. Fitness For Life focuses on creating personalized fitness plans and provides a basis for appreciating the value of physical exercise. During this class, students can expect to spend ½ of the block working towards personal fitness goals. The other ½ of the course will be team & individual fitness activities that can be engaged in throughout a life-time. This includes a variety of physical activities including: biking, snowshoeing, pickleball, badminton, volleyball, recreational yard games, and fitness classes.

## ADAPTIVE PHYSICAL EDUCATION (APE)

**Elective Credit: .5**

**Prerequisite(s): None**

**Grades: 9-12**

**Course Length: One Year (twice a week)**

Adaptive Physical Education (APE) is a fun, supportive program for students in Grades 7–12 who require specialized support for physical activity. Our main goal is to help every student discover the joy of movement, build confidence, and get strong—all in a way that works *best* for them. We adapt the activities, rules, and equipment so everyone can participate fully and safely. What You'll Do: Boost Your Skills: Work on everything from running and throwing to balance and coordination, tailored to your personal goals. Get Active: Improve your fitness, strength, and stamina through fun, functional exercises. Play and Connect: Learn new adapted sports (like bowling, mini-golf, or team games) and practice teamwork, leadership, and sportsmanship with your classmates. Build Confidence: Gain the skills and knowledge to enjoy an active, healthy life long after graduation!

# SCIENCE
## 3.0 credits required

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| Biology | **R** | | | |
| Physical Science | | E* | E* | E* |
| Chemistry | | E* | E* | E* |
| Forensic Science | | E*/IC | E* | E* |
| Human Anatomy & Physiology | | E*/IC | E* | E* |
| Immunology | | E* | E* | E* |
| Genetics | | E* | E* | E* |
| Physics | | | E* | E* |
| Advanced Chemistry - Energetics | | E* | E* | E* |
| Advanced Chemistry - Equilibrium | | E* | E* | E* |
| AP Biology | | | E* | E* |
| Introduction to Veterinary Medicine | E* | E* | E* | E* |
| Animal Science | | E* | E* | E* |
| Plant Science | | E* | E* | E* |
| E = Elective and the year student is eligible for the course | | | | |
| R = Required and the year student is eligible for the course | | | | |
| IC = Instructor Consent | | | | |
| * = Class has a prerequisite | | | | |

**BIOLOGY (Graduation Requirement)**
**Credit: 1.0**
**Prerequisite(s): None**
**Grades: 9**
**Course Length: One semester**
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.

## PHYSICAL SCIENCE

**Credit: 1.0**
**Prerequisite(s): Successful Completion of Biology**
**Grades: 10-12**
**Course Length: One semester**

Physical Science is designed to provide experience for students to organize and analyze data through claim evidence reasoning. The course supports mathematical problem solving, graphing, measurement, unit conversion skills. Topics explored during the course include experimental approaches, motion, forces, energy, magnetism, charges, circuits, waves, and properties of matter.

## CHEMISTRY

**Credit: 1.0**
**Prerequisite(s): Successful completion of Biology & Algebra I (B or higher recommended)**
**Grades: 10-12**
**Course Length: One semester**

Chemistry is a college preparatory course that uses models to describe and predict how the submicroscopic particles that make up all matter behave. These models rely both upon theory and algebraic reasoning. In the course, students will learn how to organize and analyze data using claim-evidence reasoning. Students will practice various manipulative skills during the chemical investigations. Continuous study and revision of material is required during the course as Chemistry is cumulative.

## FORENSIC SCIENCE

**Credit: 1.0**
**Prerequisite(s): Successful completion of Biology and Physical Science or Chemistry. Instructor consent required for 10th grade students.**
**Grades: 11-12**
**Course Length: One semester**

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(s): Successful completion of Biology and either Physical Science OR Chemistry. Instructor approval required for 10th grade students.**
**Grades: 11-12**
**Course Length: One semester**

In this course, students will journey through the human body's structure and function. This course will cover many topics, including anatomical organization & terms, as well as many of the organizational systems within the body. From the smallest cells to the largest organs, students will learn about themselves from the inside out.

## PHYSICS

**Credit: 1.0**
**Prerequisite(s): Successful Completion of Biology, Physical Science, Algebra II & Chemistry**
**Grades: 11-12**
**Course Length: One semester**
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 calculators are required.**

## ADVANCED CHEMISTRY EQUILIBRIUM FOCUS

**Credit: 1.0**
**Prerequisite: Chemistry (B or higher recommended) & Algebra II (B or higher recommended)**
**Grades: 10-12**
**Course Length: One semester**
This course is a continuation of the general chemistry course that starts with a review of quantitative chemistry but adds in the concepts of gases. From there students will study kinetics with a short course on energetics. Topics that follow would be equilibrium chemistry and then an in-depth study of acids and bases. Finally, a study of redox chemistry could be offered time permitting.

## ADVANCED CHEMISTRY ENERGITICS FOCUS

**Credit: 1.0**
**Prerequisite: Chemistry (B or higher recommended) & Algebra II (B or higher recommended)**
**Grades: 10-12**
**Course Length: One semester**
This course is a continuation of the general chemistry course that starts with a review of quantitative chemistry but adds in the concepts of gases. From there students will study organic chemistry, advanced atomic theory, advanced periodicity and bonding theory and finally energetics.

## AP BIOLOGY (Advanced Placement only offered every other year) 2027-28

**Credit: 2.0**
**Prerequisite(s): Successful completion of Biology and Chemistry. Human Anatomy & Physiology recommended**
**Grades 11-12**
**Course Length: Full year**
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, college and analyze data using mathematics and other methods, and interpret that data to draw conclusions.
***All AP exams take place in early May. Cost is about $99 per test.***

## GENETICS (Offered every other year) 2026-27

**Credit: .5**
**Prerequisite(s): Successful completion of Biology (C or better recommended)**
**Grades: 10-12**
**Course Length: One term**
9-week intensive elective that explores the molecular blueprints of living organisms. Moving beyond the basics of Mendelian inheritance, students will investigate the complex mechanisms of DNA, the impact of mutations, and the rapidly evolving field of biotechnology. The course culminates in a study of bioethics and modern genetic engineering, equipping students to understand the scientific and moral implications of editing the human genome.

## IMMUNOLOGY (Offered every other year) 2026-27

**Credit: .5**
**Prerequisite(s): Successful completion of Biology (C or better recommended)**
**Grades: 10-12**
**Course Length: One term**

9-week elective that examines the biological war fought daily within the human body. Students will explore the physiology of the immune system, distinguishing between innate and adaptive defenses. The course covers the mechanics of infectious disease, the science of vaccines, and system failures such as allergies, autoimmune disorders, and cancer. Students will apply their knowledge to diagnose patient case studies and model disease spread.

## INTRODUCTION TO VETERINARY MEDICINE

**Credit: .5 (Science Equivalency)**
**Prerequisite(s): Successful completion of Biology**
**Grades: 9-12**
**Course Length: One term**

Students will learn the basic knowledge and skills on varied topics associated with veterinary medicine. Topics include: Safety, health & sanitation, Veterinary medicine terminology, zoonotic diseases, safety and handling of animals, parasitology, anatomical and physiological structures of large and small mammals, careers in veterinary medicine. *The Capstone project in this class includes a dissection lab.*

## ANIMAL SCIENCE

**Credit: .5 (Science Equivalency)**
**Prerequisite(s): Successful completion of Biology**
**Grades: 10-12**
**Course Length: One term**

In this class students will gain an understanding of Animal production practices and the science behind them. Topics include: Reproduction, genetics, animal husbandry, careers in Animal Science, meat animal production management practices, dairy animal production management practices, and fiber animal production management practices.

## PLANT SCIENCE

**Credit: .5 (Science Equivalency)**
**Prerequisite(s): Successful completion of Biology**
**Grades: 10-12**
**Course Length: One term**

Students will gain fundamental knowledge and skills related to plant science. Students will learn how to apply scientific skills to horticulture, agronomy, and forestry industries. Topics include: Plant anatomy and Physiology, classification of plants, soil systems, forestry practices, greenhouse management, and careers in Plant Science.

# SOCIAL STUDIES
**3.0 credits required**

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| US History I | **R** | | | |
| US History II | | **R** | | |
| Contemporary World Issues | | **R** | | |
| American Government | | | **R#** | **R#** |
| Anthropology | | | E* | E* |
| Archaeology | | | E* | E* |
| Economics | | | E* | E* |
| History Through the Media | | | E* | E* |
| Psychology | | E* | E* | E* |
| History of the Holocaust | | | E* | E* |
| Sociology | | E* | E* | E* |
| AP US History | | | E* | E* |
| AP Government and Politics | | | E* | E* |

E = Elective and the year student is eligible for the course

R = Required and the year student is eligible for the course

# = Class waived if pass AP Govt & Politics

* = Class has a prerequisite

**U.S. HISTORY I (Graduation Requirement)**
**Credit: 1.0**
**Prerequisite(s): None**
**Grade: 9**
**Course Length: One semester**
This course will focus on United States History through units such as Reconstruction, Progressive Movement, the Roaring Twenties, WWI, the Great Depression, WWII and the Cold War. Skills that will be practiced include; analysis of primary sources, making connections and critical thinking about the impact of historical events.

## U.S. HISTORY II (Graduation Requirement)

**Credit: .5**
**Prerequisite(s): Successful completion of U.S. History I**
**Grade: 10**
**Course Length: One term**
This course focuses on United States History and builds upon U.S. History. Units include the Cold War, Civil Rights, the Vietnam War, Rise of Conservatism, end of the 20th century, domestic challenges and the U.S. in the 21st century.

## CONTEMPORARY WORLD ISSUES (Graduation Requirement)

**Credit: 1.0**
**Prerequisite(s): Successful Completion of US History I**
**Grades: 10**
**Course Length: One semester**
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) Course waiver available for students that successfully complete AP Government

**Credit: .5**
**Prerequisite(s): Successful Completion of U.S. History I & US History II**
**Grades: 11-12**
**Course Length: One term**
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. **Please note: Students opting in to the AP Government in lieu of the US Government course must successfully complete the Civics Exam.**

## ANTHROPOLOGY

**Credit: .5**
**Prerequisite(s): Successful Completion of U.S. History I, U.S History II & Contemporary World Issues**
**Grades: 11-12**
**Course Length: One term**
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: .5**
**Prerequisite(s): Successful Completion of U.S. History I, U.S. History II & Contemporary World Issues**
**Grades: 11-12**
**Course Length: One term**
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: .5**
**Prerequisite(s): Successful Completion of U.S. History I, U.S. History II & Contemporary World Issues**
**Grades: 11-12**
**Course Length: One term**

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 MEDIA

**Credit: .5**
**Prerequisite(s): Successful completion of US History I, History II Contemporary World Issues**
**Grades: 11-12**
**Course Length: One term**

History Through the Media 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.

## PSYCHOLOGY

**Credit: .5**
**Prerequisite(s): Successful completion of U.S. History I**
**Grades: 10-12**
**Course Length: One term**

This course is designed to introduce students to Psychology theories, research methods and ethical standards. Students will study the human brain, nervous system, sensation & perception, conditioning and memory. Students will examine human behavior, psychological disorder(s) and potential treatment options available for mental health conditions. Students will engage in the application of psychology concepts to everyday life. Students will increase their self awareness and growth mindset through reflecting upon habits, thinking patterns and communication styles to support healthy & fulfilling lives in high school and beyond. In addition, students will explore career pathways in the field of Psychology. This class is ideal for students interested in the Education & Training and Human Services career clusters.

## HISTORY OF THE HOLOCAUST

**Credit: .5**
**Prerequisite(s): Successful Completion of U.S. History I, U.S. History II & Contemporary World Issues**
**Grades: 11-12**
**Course Length: One term**

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, 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, genocide and discuss why the world continues to allow such events to occur.

## SOCIOLOGY

**Credit: .5**
**Prerequisite(s): Successful Completion of U.S. History I**
**Issues Grades: 10-12**
**Course Length: One term**

This course discusses the various societies and social groups in both the United States and throughout the world. Questions will be analyzed, such as: Why do we act differently when in different roles? How does a group decide what behavior is normal? How do we choose our friends? Why do some groups struggle to cooperate? Throughout the term, students will learn the various perspectives in the field of sociology and then study human interactions from these different perspectives. Other topics covered include social observation, traditions, conformity, social structures, hierarchies, racial/ethnic relations, and research methods.

## AP U.S. HISTORY (Advanced Placement only offered every other year) 2026-27

**Credit: 1.0**
**Prerequisite(s): Successful Completion of U.S. History I, U.S. History II & Contemporary World Issues**
**Grades: 11-12**
**Course Length: Full year**

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 $99 per test.** Please contact student services for more information on course waiver fee eligibility. **Specific information may be found at www.apcentral.collegeboard.com**

## AP U.S. GOVERNMENT & POLITICS (Advanced Placement)

**Credit: 1.0**
**Prerequisite(s): Successful Completion of U.S. History I, U.S. History II & Contemporary World Issues**
**Grades: 11-12 (meets American Government Graduation Requirement)**
**Course Length: Full year**

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 $99 per test.** Please contact student services for more information on course waiver fee eligibility. **Specific AP information may be found at www.apcentral.collegeboard.com**

# TECHNOLOGY EDUCATION

| COURSE | FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|---|---|---|---|---|
| Metals Manufacturing I | E | E | E | E |
| Metals Manufacturing II | E* | E* | E* | E* |
| Wood Manufacturing I | E | E | E | E |
| Wood Manufacturing II | E* | E* | E* | E* |
| Air Cooled Engines | | E | E | E |
| Consumer Home and Auto Care | | E | E | E |
| Engineering Design Principles I | | E* | E* | E* |
| Engineering Design Principles II | | E* | E* | E* |
| Basic Auto Repair | | | E* | E* |
| Construction Building Trades | | | E* | E* |
| E = Elective and the year student is eligible for the course | | | | |
| * = Class has a prerequisite | | | | |

*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: .5**
**Prerequisite(s): None**
**Grades: 10-12**
**Course Length: One term**
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, and reassemble the engine to a properly running engine. Students will then be tasked with completing maintenance on a small engine as well as 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.

## BASIC AUTO REPAIR

**Credit: .5**
**Prerequisite(s): Successful Completion of Air-Cooled Engines and access to a vehicle**
**Grades: 11-12**
**Course Length: One term**
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, 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 the lab. This is an excellent course for anyone planning on a career in small or large vehicle mechanics.

## CONSTRUCTION BUILDING TRADES

**Credit: .5**
**Prerequisite(s): Successful completion of Woods 1 *& Woods II Recommended***
**Grade: 11-12**
**Course Length: One term**
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 garden shed that is sold to a community member. Topics discussed include: Floor framing, Wall framing, Roof framing, Roofing and Exterior finishes. If time allows other construction careers such as Concrete, HVAC, Electrical and Plumbing will be explored.

## CONSUMER HOME AND AUTO CARE

**Credit: .5**
**Prerequisite(s): None**
**Grade: 10-12**
**Course Length: One term**
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 wall framing, drywall, electrical circuits, plumbing and painting. Students will also increase their skills in the area of 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: .5**
**Prerequisite(s): Successful competition of Wood Manufacturing I & Metals Manufacturing I**
**Grade: 10-12**
**Course Length: One term**
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 basics of how to work with drafting software. Activities include a 3-D solid modeling project, chocolate mold design for senior dinner, and a MATC field trip.

## ENGINEERING DESIGN PRINCIPLES (EDP) II

**Credit: .5**
**Prerequisite(s): Successful Completion of EDP I**
**Grade: 10-12**
**Course Length: One term**
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.

## METALS MANUFACTURING I

**Credit: .5**
**Prerequisite(s): None**
**Grade: 9-12**
**Course Length: One term**
**Fee: $25.00**

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: Grinder, Stick Welder, Oxy-Fuel Welder, Mig Welder, Resistance Welder and Sheet Metal Fabrication.
Please contact student services for more information on course waiver fee eligibility.

## METALS MANUFACTURING II

**Credit: .5**
**Prerequisite(s): Successful Completion of Metals Manufacturing I**
**Grade: 9-12**
**Course Length: One term**
**Fee: $ 25.00**

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. This class will help prepare students for a career in the metals manufacturing field. Please contact student services for more information on course waiver fee eligibility. Major Activities/Projects include: Die/Cube Welding Project, Tool & Die Project, Metal Tool Box and Independent/Student Chosen Project.

## WOOD MANUFACTURING I

**Credit: .5**
**Prerequisite(s): None**
**Grade: 9-12**
**Course Length: One term**
**Fee: $25.00**

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. Projects include wooden bowl, wooden mallet, and a personal CNC project.Please contact student services for more information on course waiver fee eligibility.

## WOOD MANUFACTURING II

**Credit: .5**
**Prerequisite(s): Successful Completion of Wood Manufacturing I**
**Grade: 9-12**
**Course Length: One term**
**Fee: $ 25.00**

This course is a continuation of Wood Manufacturing I. More emphasis will be placed on design theory and practice, estimating, crafts, 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. Projects include wooden pen, step stool or bench, and an independent student chosen project. Please contact student services for more information on course waiver fee eligibility.

# On-Line Advanced Placement (AP) Courses

Students interested in taking AP Courses that are not available in the classroom (and on the course request sheets) should make note of it when completing these course request sheets and/or make an appointment with the counselor. To see the courses available, refer to the WVS AP Link or navigate to the Wisconsin Virtual School web page.

# Early College Credit Program/Start College Now

The ECCP and Start College Now programs replace the Youth Options program and are very similar. These programs allow students to enroll in one or more courses (up to 18 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. On-line courses from other schools have been round and taken. 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.

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.

**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 should turn in applications to the Student Services/Guidance Office.**

- Applications must be received by **October 1st** for the next spring semester.
- Applications must be received by March 1st for the next fall semester

# Dual Credit Courses

Dual Credit courses are advanced level courses that have been reviewed by local technical colleges and universities, and approved as an acceptable alternative to taking that same course at that institution. Students who successfully complete dual credit courses with the required requirements are given college credit at that institution. Please view CHS course offerings to identify potential dual credit courses and consult the appropriate instructor for more information. Please note that dual credit courses are dependent upon the instructor's certification, and are not guaranteed.

# Online Course Options (including AP Courses)

**EDMENTUM**
**Credit: .5 (elective credit)**
**Prerequisite(s): Student has successfully completed all available in person classes at Deerfield High School in subject area(s). Students will need consent from the Edmentum Advisor prior to the start date of the term.**
**Grade:11-12**
**Course Length: One term and/or semester**
Edmentum courses offer a wide range of course options that align with Wisconsin's state standards and are designed for students who excel in both in person and virtual learning. Edmentum classes are for students that want to expand their knowledge in future career related subjects. Students will work with the Edmemtum Advisor to enroll in the course and work independently in the library for the duration of the course.

**ACADEMIC RESOURCE**
**Grades: 9-12**
**Prerequisites(s): None**
**Credit: Zero**
**Length: One semester or full year**
Academic Resource is a non-credit class for students that provides an opportunity for students to work on for-credit coursework. Recommended for students that would benefit from additional support or work time and/or have competing after school commitments. Students may enroll in one academic resource per semester that occurs during the 3rd hour each day.

# 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.

# Local Internship

**LOCAL INTERNSHIP**
**Credit: .5**
**Prerequisite(s): Consent from School to Work Coordinator and agreement**
**Grades: 11 & 12**
**Course Length: One term**

Juniors and Seniors will gain work experience in a career area of interest through a local job placement. The Local Internship Program allows students to earn high school credit through work experience. Students are required to complete a total of 90 work hours per term and have consistent meetings with the School to Career Coordinator. Upon completion of the requirements, students can earn a Local Internship Certificate from the Wisconsin Department of Public Instruction. The certificate helps demonstrate to potential employers that the student has mastery of the employability skills valued by employers in a variety of worksite settings. Employers will submit a progress report 2-3 times per term in regard to the students' demonstrated employability skills. In addition, a student transportation agreement / employment contract must be submitted to the School to Career Coordinator before the experience can begin. Students also receive credit towards graduation if they successfully complete the Deerfield requirements for a local internship.

# Youth Apprenticeship

The Youth Apprenticeship Program is a unique opportunity for Juniors and Seniors to start preparing for a career while still in high school. The one-or two-year program provides the opportunity for work-based learning, occupational instruction and academic education.This cooperative program with the Dane County Department of Workforce Development and an area employer allows students to earn high school and/or college credits while earning an hourly wage and learning from skilled professionals in a career area of interest. Students are required to complete 450 hours of on-the-job experience, enroll in a course(s) related to their apprenticeship. It is recommended that students interested in Youth Apprenticeship complete a job shadow in the career area of interest.

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 attend a Parent Informational Meeting and meet with the School to Career Coordinator prior to completing the application process. To learn more about the Youth Apprenticeship Program options please contact our School to Career Coordinator.


# Application Process for YA Program

1. Complete application paperwork and return to the School to Career Coordinator **BY March 1.**
2. Three recommendation forms are required: two from school staff, and one community member. Students must inform the recommendation writer to return the recommendation form to the School to Career Coordinator **BY March 1.**
3. The School to Career Coordinator will set up a time to meet. Students will receive a sample list of interview questions for preparation purposes. **INTERVIEWS WILL TAKE PLACE AROUND March 15** (A resume is required.)
4. Upon acceptance to the program, the student and parent(s)/guardian(s) must review and sign the Deerfield Youth Apprenticeship contract and permission forms. These forms are due to the School to Career Coordinator to secure employment. Once employed, an Employment Training Agreement will be signed. **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. Students and parent(s)/guardian(s) that are interested in pursuing a Youth Apprenticeship may learn more about the requirements and responsibilities in the Youth Apprenticeship Handbook. YA Handbook

# Financial Aid and Scholarships

As college costs continue to rise, paying for post-secondary training becomes a major concern. Students are encouraged to apply 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 usually filled out in the fall of the senior year. 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.

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
- 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.)

FAFSA is the acronym for **F**ree **A**pplication for **F**ederal **S**tudent **A**id. It is required for anyone wishing to be considered for federal-based loans. Applying for financial aid may be done by completing a mail-in paper version or an online version. 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. **FAFSA Application can be found at www.fafsa.gov**

**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.finaid.org - Financial aid information

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

# Academic Awards Students Can Earn During Their High School Career

**Academic Awards:** are based on the number of academic points earned by the student each semester (based on semester GPAs) beginning freshman year and accumulated through their senior year.

Points Earned are as follows:
3.75 – 4.0 GPA = 3 points
3.5 – 3.74 GPA = 2 points
3.0 – 3.49 GPA = 1 point

Awards are presented May of every year, once a student has reached the specific level (freshmen don't earn any awards until May of their sophomore year, due to awards being presented before 2 full semesters have been completed).

Awards received under this Academic Recognition are as follows:
1. An Academic Certificate for 6 points (Level 1)
2. An Academic School Letter for 12 points (Level 2)
3. A Lamp of Knowledge Pin for 18 points (Level 3)
4. An Academic Plaque for 21 points (Level 4)

Please note: Seniors are presented with their awards during the Senior Award Evening. May date(s) are subject to change each school year.

## Academic All-Conference Recognition

This program is designed to recognize students that excel in the classroom. To be recognized as an academic all conference student, the student must meet the following guidelines listed below. Scores must be received by the school prior to March 1st in order for a student to be considered for the award.

The student has completed four (4) semesters in high school and maintained a 3.5 cumulative GPA. In addition each student must have one of the following testing qualifications below:
a. A selection index of 156 or above on the PSAT (taken during sophomore or junior year)
b. A combined score of 1150 or above on the SAT
c. A composite score of 25 or above on the ACT

## Academic Excellence Scholarship (Offered by the State of Wisconsin)

A $2,250 per year/ for 4 years scholarship awarded to the graduating senior, attending a 4 year public or private Wisconsin college, with the highest GPA. In the event of multiple students receiving the same GPA, the ACT Composite score is taken into consideration and the student with the highest ACT score.

## Technical Excellence Scholarship (Offered by the State of Wisconsin)

A $2,250 per year / for 3 years scholarship is awarded to the graduating senior, attending a 2 year Wisconsin technical college (NOT ON THE LIBERAL ARTS TRANSFER PATHWAY) with the most points awarded. An eligible student is a high school senior who is considered a CTE (Career and Technical Education) Concentrator, by taking multiple CTE courses in tech ed, FACE and Business and/or participating in a Youth Apprenticeship. Points are assigned and the student with the most points is awarded the scholarship. Students can start preparing to earn all of these awards beginning their freshman year by getting good grades and testing.