

**WAUNAKEE COMMUNITY SCHOOL DISTRICT
BOARD OF EDUCATION CURRICULUM COMMITTEE**

Monday, February 16, 2026
4:00 PM

Waunakee Community School District
905 Bethel Circle
Waunakee, WI 53597

Members of the public may attend Board of Education meetings in-person, and will be asked to check in with District personnel when you arrive.

Public comments will be limited to 3 minutes. The Board will allow 30 Minutes for public comments.

Public comments may be sent to Rebecca McDonough at district_administrator@waunakee.k12.wi.us up to one hour before the start of the Board meeting. All comments will be reviewed by the Board members. Emailed comments will be reviewed by the board but not read out loud. Emailed comments sent during any part of the board meeting (Board Development, Closed session, Open session) will be forwarded to the board but may or may not be reviewed by the board until after the board adjourns. Comments must include the commentator's name, address, and must identify their connection to the District (if any) and any group they are representing in order to be considered by the Board.

If you would like to address the Board in-person during the public comments section of the meeting, you will be greeted in the lobby of the building, asked to check in with District personnel when you arrive so that you can be recognized and address the Board when your name is called.

A recording of the meeting will be posted on the District webpage within 24 hours of the meeting time.

AGENDA

I. CALL TO ORDER

II. ROLL CALL

III. APPROVE THE AGENDA

IV. PUBLIC COMMENTS

Individuals may use this time to comment on any items listed as part of the meeting agenda. A copy of Board Policy 187 —Public Participation at Board Meetings is enclosed for your reference. Past practice has allowed 30 minutes for this section of the agenda.

V. I-READY DATA REVIEW

3

Amy Johnson and Tim Schell

Amy and Tim will present our i-Ready assessment data. The Middle School is completing their winter testing the week of February 9, so results will be presented at the committee meeting and added to BoardBook afterwards.

VI. HIGH SCHOOL ACADEMIC AND CAREER PLANNING GUIDE

14

Tim Schell

Tim will provide an overview of our Academic and Career Planning Guide, how it is organized, and the information it provides about our high school program. Tim will also cover our high school profile, the 9th grade condensed guide, and some comparative information related to AP participation, dual credit participation, and work-based learning participation.

VII. E4E PLAN

169

Tim Schell

Tim will present our latest update of the district's Education For Employment (E4E) plan. This will go to the full Board for approval in March.

VIII. AI APPLICATIONS-LESSON PLANNING

Amy Johnson and Tim Schell

Amy and Tim will review parameters for lesson planning and to what extent AI may play a role in supporting lesson planning.

IX. FUTURE AGENDAS AND MEETINGS

X. ADJOURN

“Any person who has a qualifying disability as defined by the Americans with Disabilities Act who requires assistance with access or materials should contact the Waunakee Community School District Office at 849-2000, 905 Bethel Circle Drive Waunakee, WI 53597, at least twenty-four hours prior to the commencement of the meeting so that necessary arrangements can be made to accommodate the request.”

Winter i-Ready Report

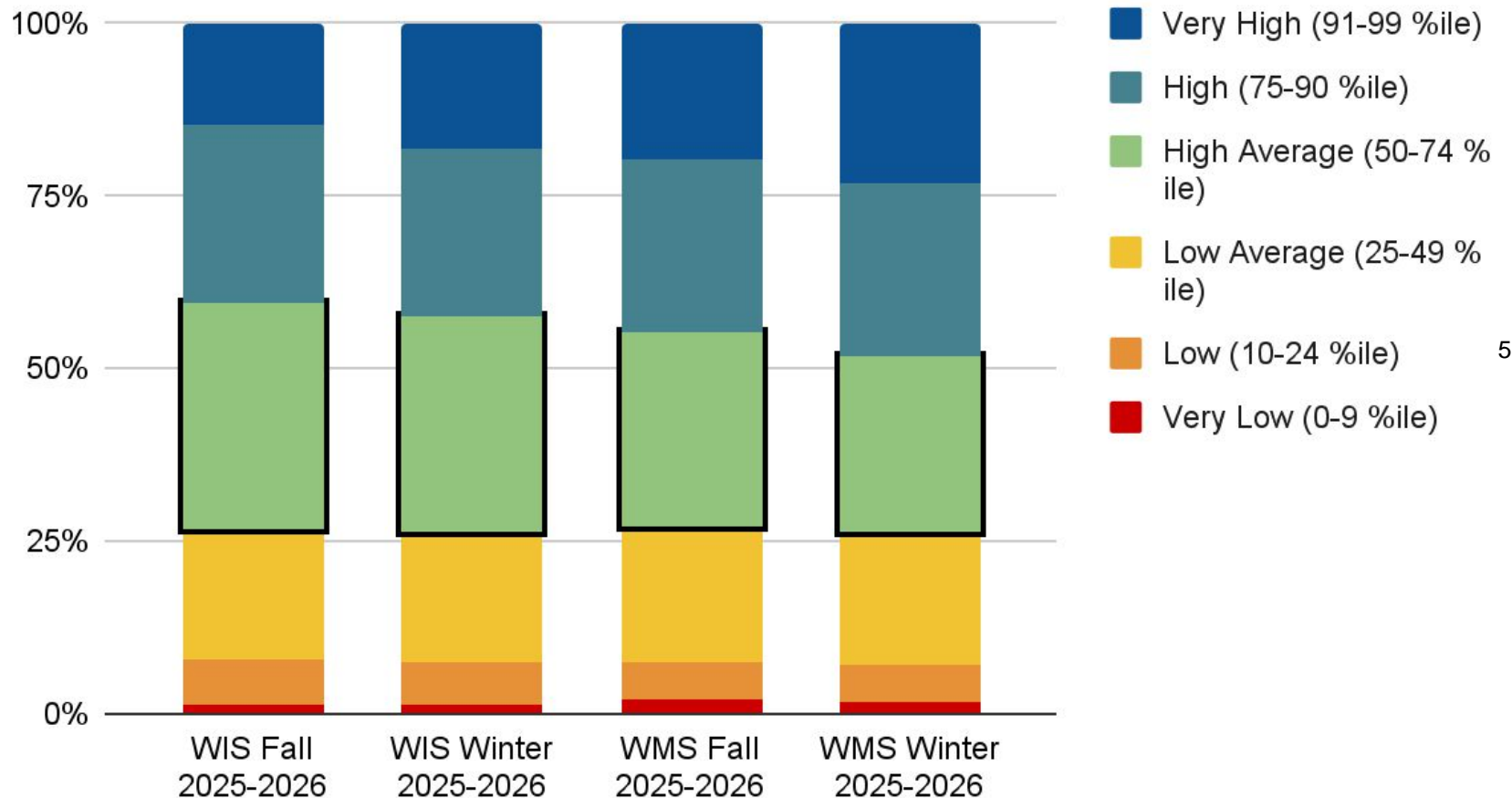
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Board of Education Curriculum Committee
February 16, 2026

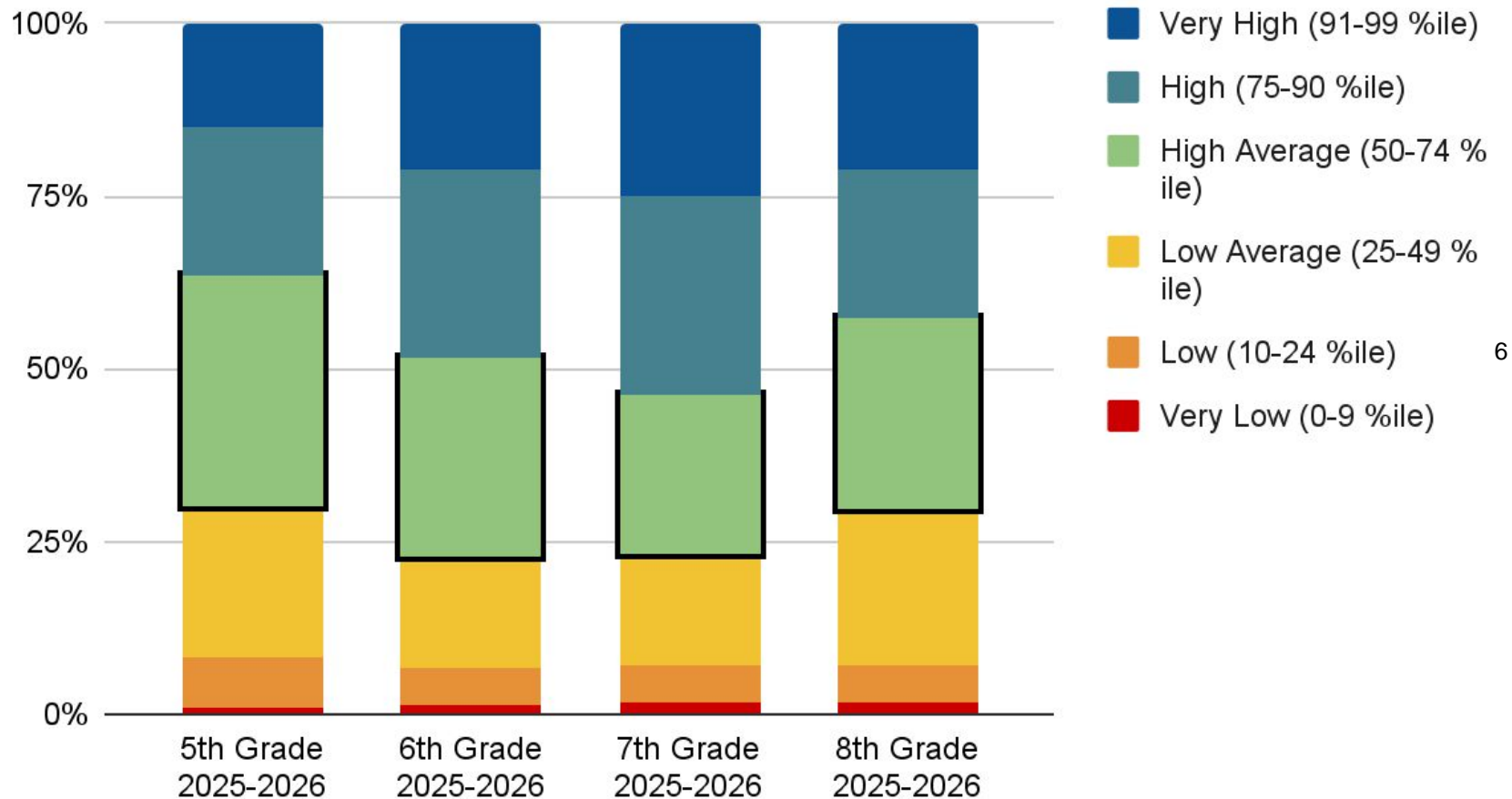
i-Ready Achievement and Growth: What do we look for?

- For achievement, our goal is more than 50% of our students (preferably well more than 50%) at or above the national 50th percentile. We also seek improvement from fall to winter, followed by improvement from winter to spring.
 - 73.6% of students scored at the 50th percentile or higher on i-Ready Reading this winter for grades 5-8 combined.
 - 73.5% of students at the Intermediate School scored at the 50th percentile or higher in Reading.
 - 73.6% of students at the Middle School scored at the 50th percentile or higher in Reading.
 - 77.4% of students have performed at target on i-Ready Mathematics this winter for grades 5-8 combined.
 - 75.8% of students at the Intermediate School scored at the 50th percentile or higher in Mathematics.
 - 79.5 of students at the Middle School scored at the 50th percentile or higher in Mathematics.
- For growth, our goal is for at least 50% of our students to be at or above typical/expected growth.
 - 54.6% of students have met their growth targets on the i-Ready Reading this winter in grades 5-8 combined.
 - 53.1% of students at the Intermediate School met their growth target in Reading. 50.0% of the students in Intermediate target group met their growth target in Reading.
 - 56.3% of students at the Middle School met their growth target in Reading. 49.1% of the students in Intermediate target group met their growth target in Reading.
 - 41.6% of students have met their growth targets on the i-Ready Mathematics this winter in grades 5-8 combined.
 - 42.2% of students at the Intermediate School met their growth target. 37.6% of the students in the target group met their growth target in Mathematics.
 - 40.7% of students at the Middle School met their growth target. 46.5% of the students in target group met their growth target in Mathematics.

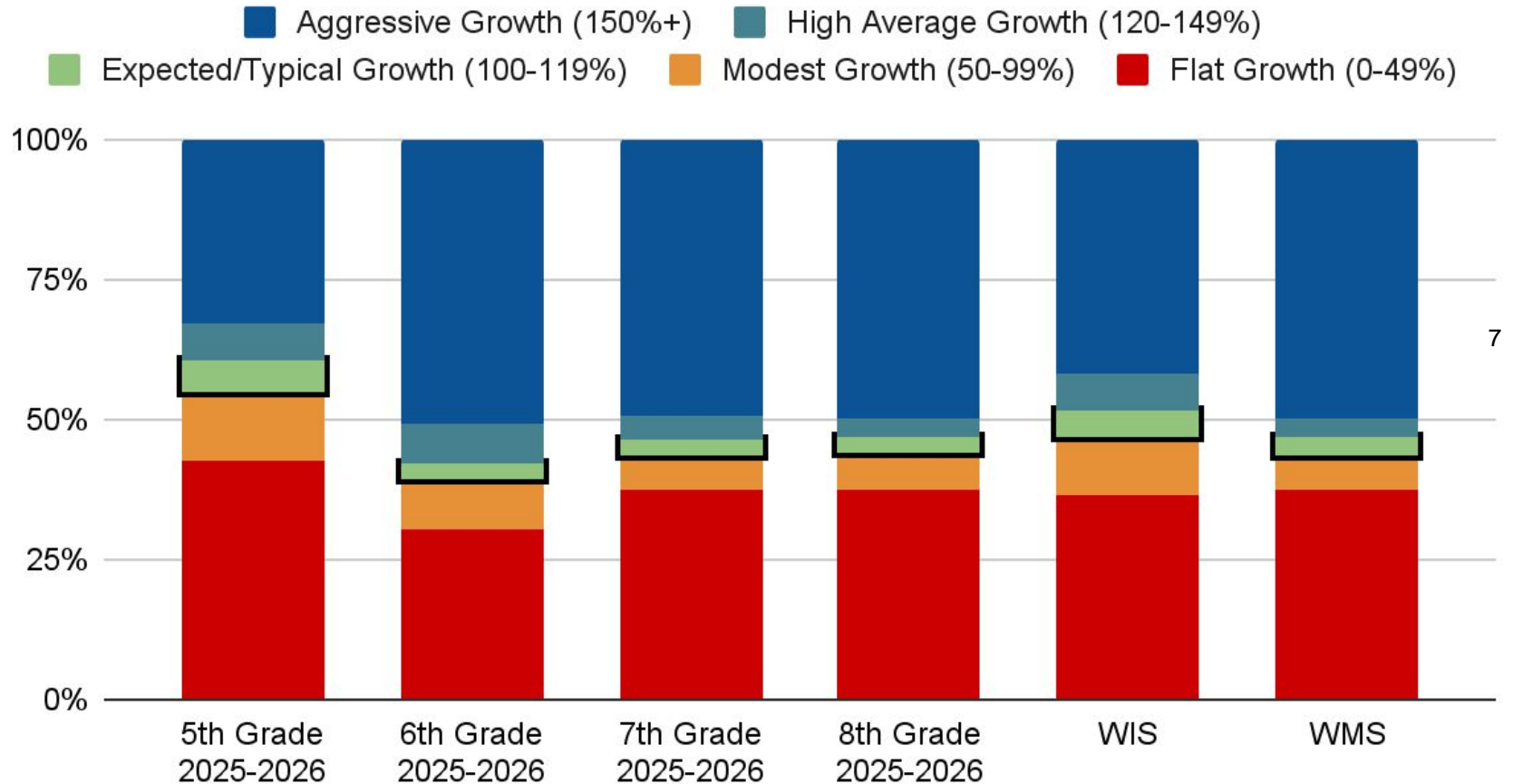
i-Ready Reading Above/Below Median 50th Percentile-Fall-Winter



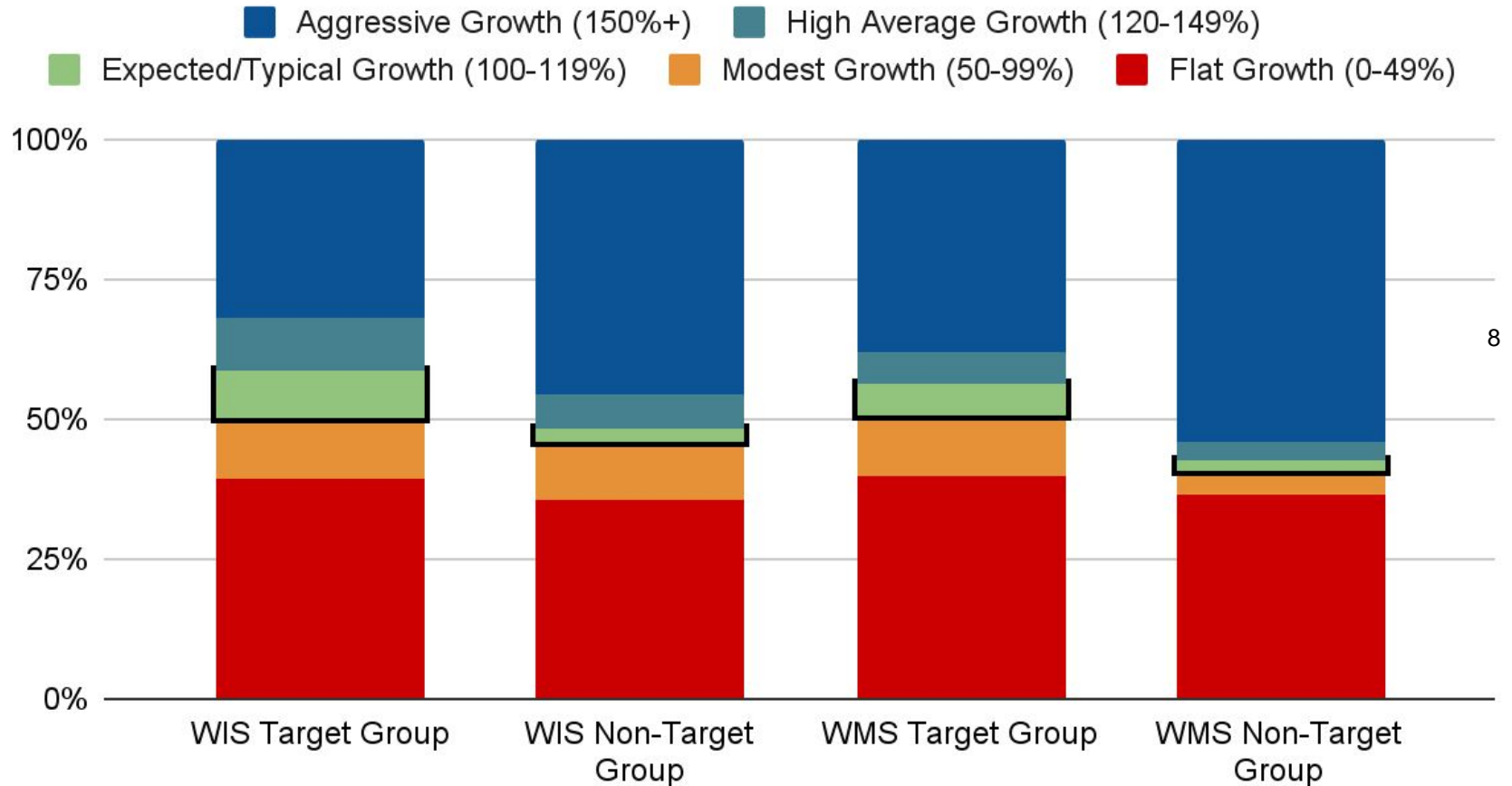
i-Ready Reading Above/Below Median 50th Percentile-Winter by Grade



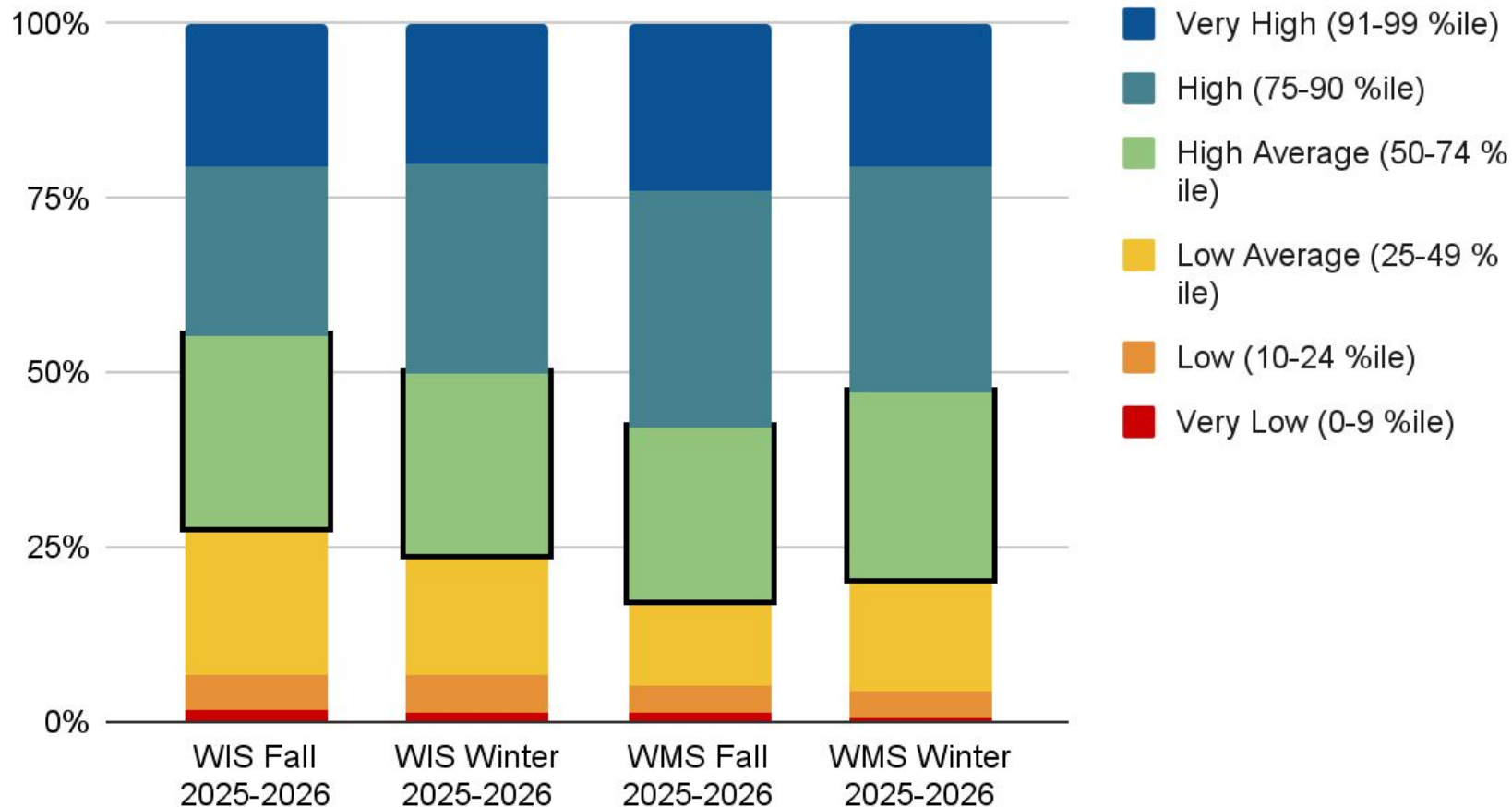
i-Reading Reading Growth Data by Grade and School



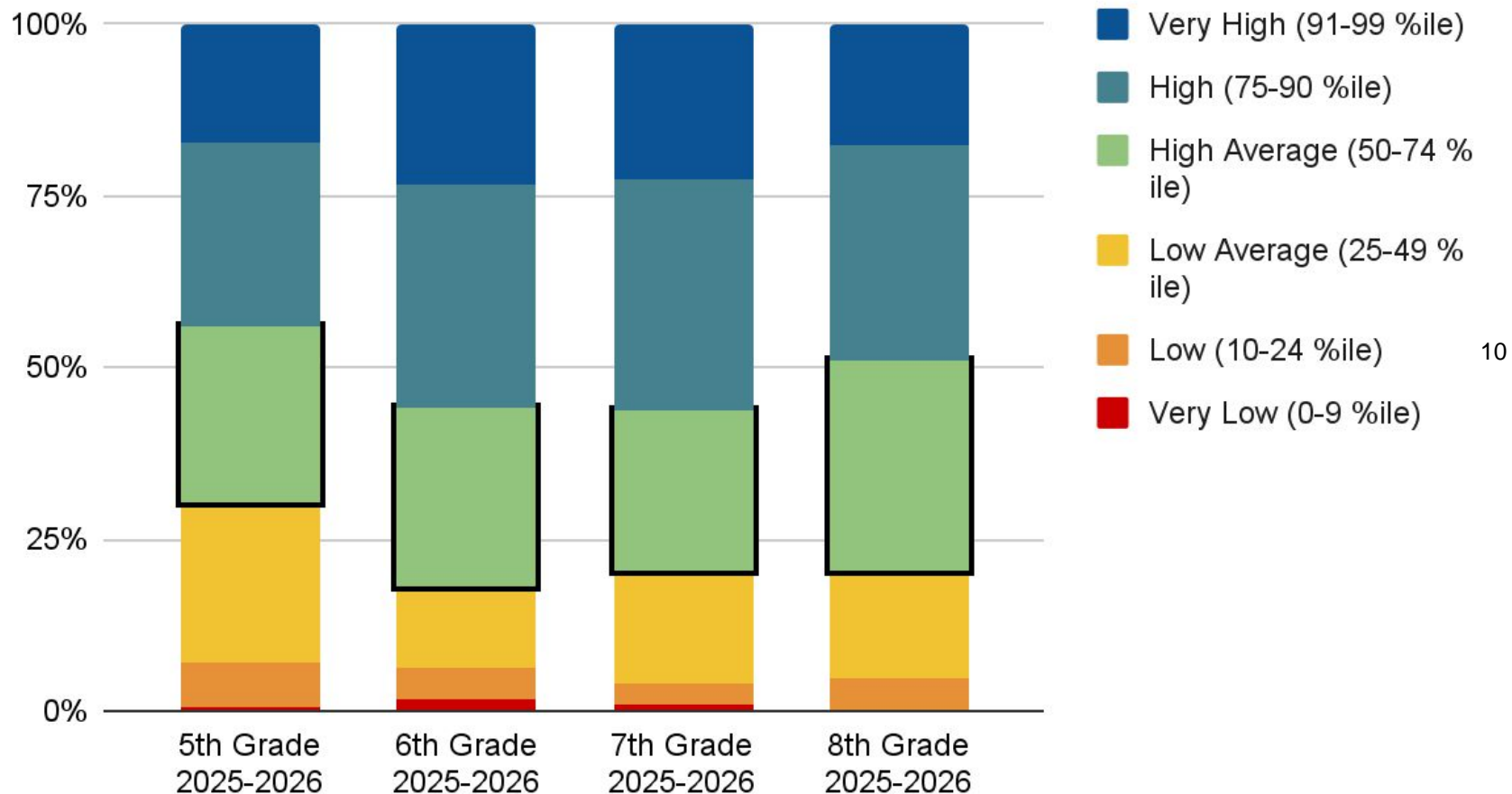
i-Reading Reading Growth Data by Target Group



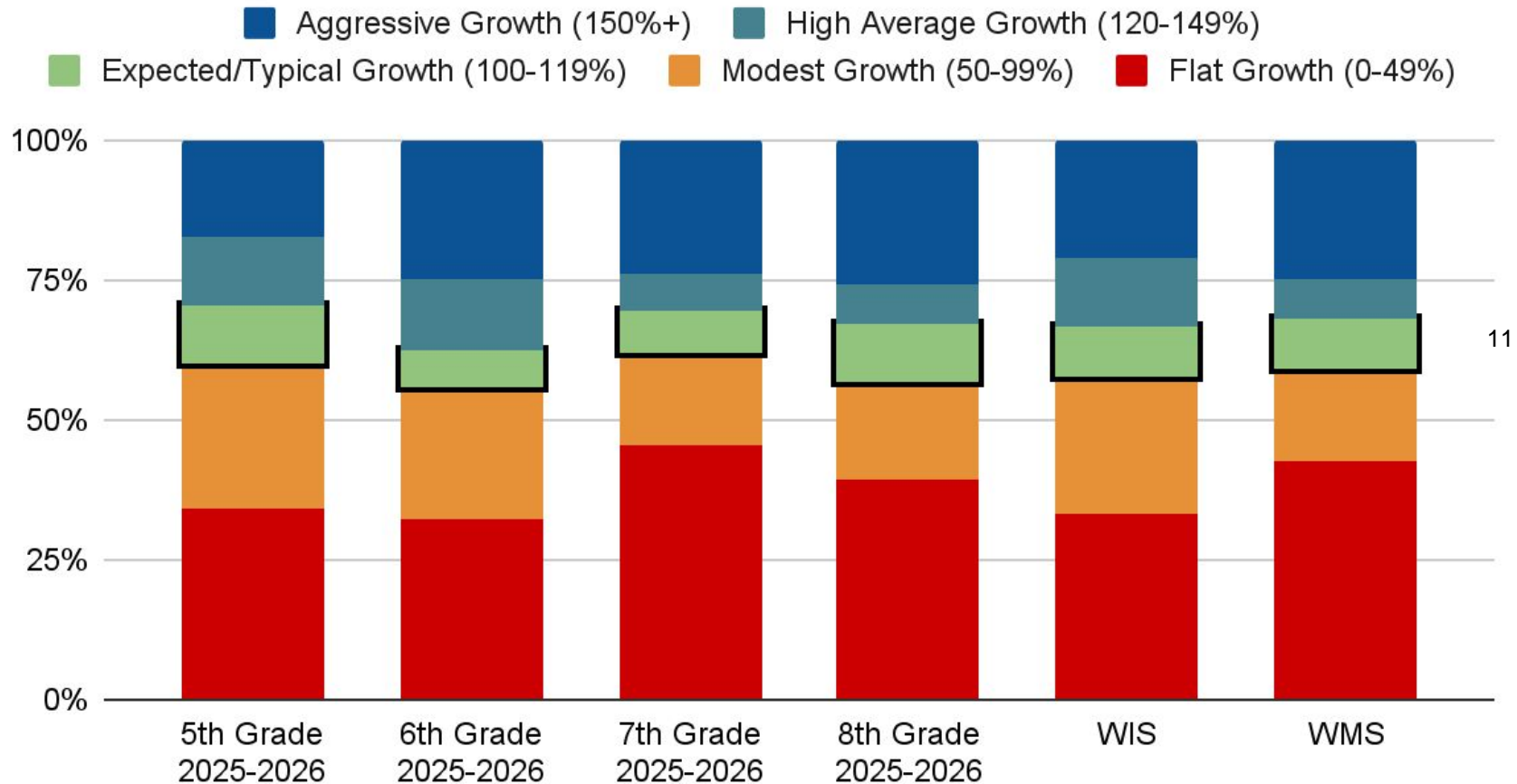
i-Ready Mathematics Above/Below Median 50th Percentile-Fall-Winter



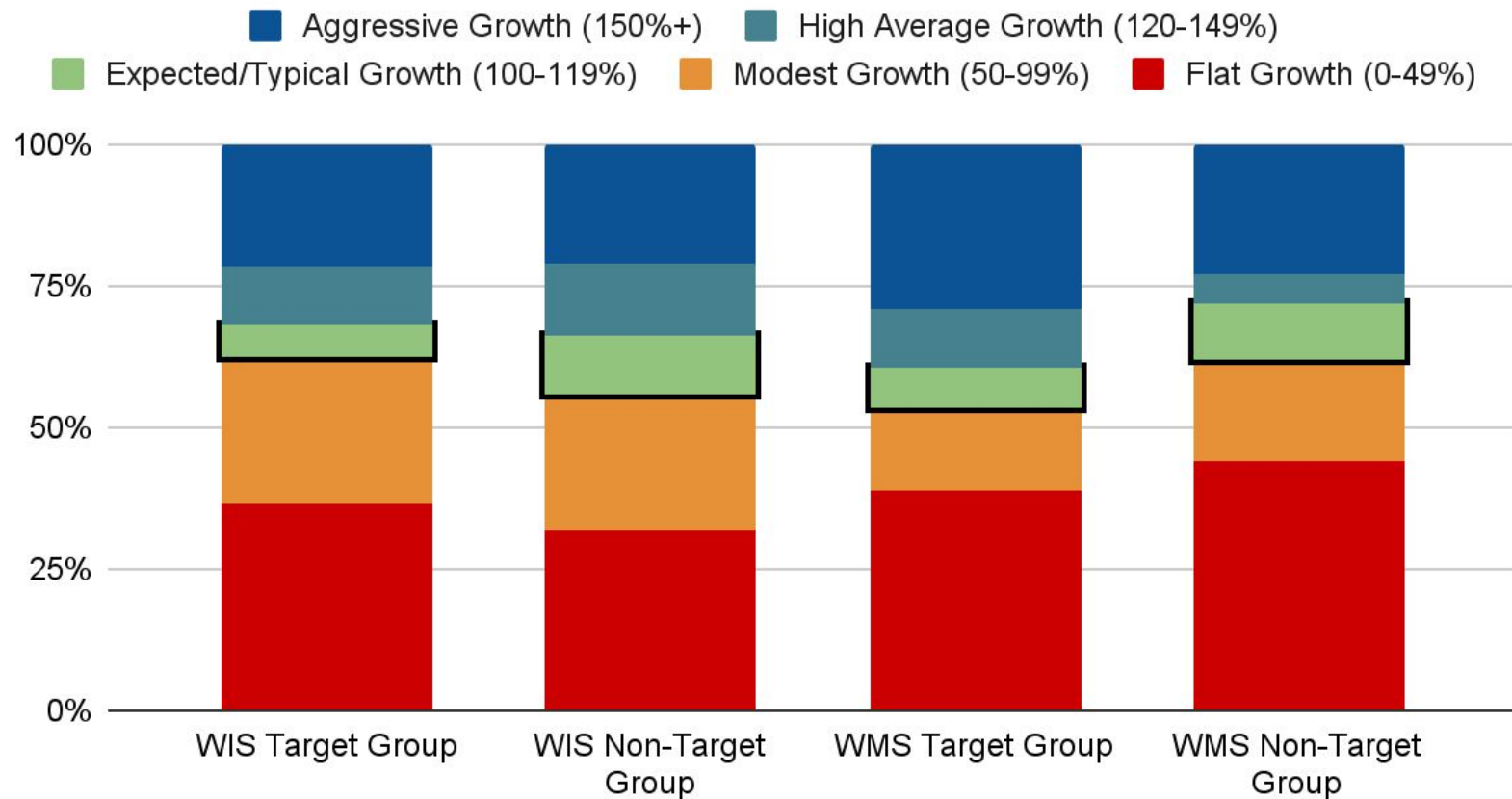
i-Ready Mathematics Above/Below Median 50th Percentile-Winter by Grade



i-Reading Mathematics Growth Data by Grade and School



i-Reading Mathematics Growth Data by Target Group



Your Questions



Waunakee Community High School

ACADEMIC & CAREER
PLANNING GUIDE



2026-2027

COMMITTED TO CHILDREN ● COMMITTED TO COMMUNITY ● COMMITTED TO EXCELLENCE



Table of Contents

Please use the active links to help navigate to the various sections and pages of this guide.

- 3 [WCSD Mission, Vision, & Equity Statements](#)
- 4 [Principal's Welcome](#)
- 5 [Student Services & Administration Contact Information](#)
- 6 [Navigating the Academic & Career Planning Guide](#)

ACADEMIC & CAREER PLANNING INFORMATION

- 8 [Academic Items to Note](#)
- 9 [Credit Requirements](#)
- 10 [Four-Year Planning Document](#)
- 12 [Laude System](#)
- 16 [Advanced Placement Courses](#)
- 17 [Pathways, Early Post-Secondary Credit, and Online Opportunities](#)
- 18 [School to Career and Youth Apprenticeship Information](#)
- 21 [Dual-Enrollment Opportunities](#)
- 23 [New Courses and Course Changes](#)
- 24 [At-a-Glance Course Offerings](#)

COURSE INFORMATION & PROGRAMMING

- | | |
|--|---|
| 31 Agriculture & Natural Resources | 59 Physical Education |
| 34 Art Education | 61 Science |
| 37 Business & Marketing Education | 66 Social Studies |
| 41 Communication Arts | 70 Special Services |
| 46 Computer Science | 71 Teacher Assistants |
| 48 Family & Consumer Sciences | 72 Technology & Engineering Education |
| 51 Health & Health Science Education | 77 World Language |
| 53 Mathematics | |
| 56 Music | |

WCHS PROGRAMS OF STUDY

- | | |
|--|--|
| 81 General Overview | |
| 82 Advanced Manufacturing | 98 Healthcare & Human Services |
| 84 Agriculture | 100 Hospitality, Events, & Tourism |
| 86 Arts, Entertainment, & Design | 102 Management & Entrepreneurship |
| 88 Construction | 104 Marketing & Sales |
| 90 Digital Technology | 106 Public Service & Safety |
| 92 Education | 108 Supply Chain & Transportation |
| 94 Energy & Natural Resources | 110 Program of Study Grid View & Resources |
| 96 Financial Services | |



WCSD Mission, Vision, and Equity Statements

MISSION STATEMENT

"Committed to Children...Committed to Community...Committed to Excellence"

VISION STATEMENT

The Waunakee Community School District is a collaborative learning community that works with students, staff, families, and the community to ensure that every student is ready for college and career; through a focus on data, research based best practices, and engagement with students to be active partners in their learning.

EQUITY STATEMENT

The Waunakee Community School District embraces the differences among our students, staff, and families. We work to provide a safe environment with access to resources, opportunities, and instruction for all students to reach their full potential in the classroom and beyond. We strive to create a culture of dialogue, acceptance, and inclusion. We are committed to engaging all students so that they may thrive academically, socially, and emotionally in an ever-changing multicultural society.

WAUNAKEE COMMUNITY SCHOOL DISTRICT NON-DISCRIMINATION STATEMENT

Waunakee Community School District does not and shall not discriminate on the basis of race, religion (creed), gender, gender expression, sexual orientation, age, national origin (ancestry), disability, marital status, or military status, or any other factor prohibited by state or federal law, or according to District policy, in any of its activities or operations. These activities include, but are not limited to, employment of staff, selection of volunteers and vendors, and provision of services.

Waunakee Community School District is an equal opportunity employer. We will not discriminate and will take measures to ensure against discrimination in recruitment, employment, compensation, discipline and other conditions of employment against any employee or job applicant. We are committed to providing an inclusive and welcoming environment for all members of our staff, volunteers, subcontractors, vendors, students and families.



From the Principal's Office

Dear Student and Parents:

The Career Planning and Course Guide:

This guide provides information that will help students choose classes for next school year. Selecting the appropriate classes for each student is important as it may impact a student's grade point average, eligibility to enroll in higher level courses, college admissions qualifications, athletic eligibility, and career preparedness.

My hope is that this guide provides you with helpful information that will assist in the planning process.

What Students and Parents Need to Discuss:

- What are the student's interests?
- What skills does the student possess that may develop into a career path?
- What challenges does the student possess that may impact future goals?
- What standard of living, lifestyle, and work environment is most appealing for the student?
- Will the student attend a university, technical college, an apprenticeship program, the military, or prepare for a career directly upon graduation?
- What financial considerations need to be a part of post-high school decisions?

Regardless of the student's post-high school goal, it is recommended that a student challenge themselves through appropriately rigorous coursework while maintaining a high level of academic achievement. Keeping options open as future plans change is best obtained through a high level of student preparedness.

Thank you for your active involvement in the registration process. I look forward to a great school year for every WCHS student!

Mr. Brian Borowski
WCHS Principal



Student Services & Administration

HIGH SCHOOL STUDENT SERVICES STAFF

School Counselor Melissa Bacher	melissabacher@waunakee.k12.wi.us	ext. 2325
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School Psych Marion Moffett	marionmoffett@waunakee.k12.wi.us	ext. 2061

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STC Admin Assistant Kathleen Syens	kathleensyens@waunakee.k12.wi.us	ext. 2115

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Admin Assistant Denise Branshaw	denisebranshaw@waunakee.k12.wi.us	ext. 2040
AD Admin Assistant Jen Lockman	jenlockman@waunakee.k12.wi.us	ext. 2042
AD Admin Assistant Jared Cralam	jaredcralam@waunakee.k12.wi.us	ext. 2043
AD Admin Assistant Sue Patz	susanpatz@waunakee.k12.wi.us	ext. 2043
Attendance Christina Raemisch	christinaraemisch@waunakee.k12.wi.us	ext. 2041
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Health Assistant Nola Luhtala	nolaluhtala@waunakee.k12.wi.us	ext. 2055
Pathways Coordinator Janell Dorn	janelldorn@waunakee.k12.wi.us	ext. 2058



Using this Planning Guide - Navigation

TABLE OF CONTENTS

Table of Contents

Use the Table of Contents page to navigate to linked pages in the coursebook!

- WCSD Mission, Vision, & Equity Statements
- Principal's Welcome
- Student Services & Administration Contact Information
- Navigating the Academic & Career Planning Guide
- ACADEMIC & CAREER PLANNING INFORMATION
 - Academic Items to Note
 - Credit Requirements
 - Four-Year Planning Document
 - At-a-Glance Course Offerings
 - Loude System
 - Advanced Placement Courses
 - Pathways, Early Post-Secondary Credit, and Online Opportunities
 - School to Career and Youth Apprenticeship Information
- COURSE INFORMATION & PROGRAMMING
 - Dual-Enrollment Opportunities
 - New Courses and Course Changes
 - Agriculture & Natural Resources
 - Art Education
 - Business and Marketing Education
 - Communication Arts
 - Computer Science
 - Physical Education
 - Science
 - Social Studies
 - Special Services
 - Technology & Engineering Education

FLOWCHARTS

Connecting lines indicate a course is a prerequisite for another (see descriptions for all prerequisite information)

Courses with the WCSD Logo indicate a graduation requirement

There are flowcharts for each department to assist in course sequencing!

GRADE 9

- 1st and 2nd Semester English 9
- OR
- 1st and 2nd Semester Advanced English 9

COMMUNICATIONS

- 2nd Semester Mass Media 11-12
- 2nd Semester Persuasion & Debate 11-12

LITERATURE

- 2nd Semester American Literature 11-12
- 1st Semester Dramatic Literature 11-12
- 1st Semester Multicultural Literature 11-12
- 1st Semester Science Fiction Literature 11-12

COMPOSITION

- 1st Semester Advanced Composition 11-12
- 1st or 2nd Semester Creative Writing 11-12
- 2nd Semester Advanced Creative Writing 11-12
- 1st and 2nd Semester AP Literature & Composition 11

GRADE 10

- 1st and 2nd Semester English 10
- OR
- 1st and 2nd Semester AP Seminar English 10

1st and 2nd Semester AP Literature & Composition 12

PROGRAMS OF STUDY

Arts, Entertainment, & Design

Essential Program Learning Experiences
Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

DESIGN & DIGITAL ART PATH

Ag Business, Ag Machine & Building, Accounting (DC), MS Office for Business Applications (DC), Concepts of Entrepreneurship (DC), Marketing 1 (DC)

FASHION & INTERIORS PATH

Fashion & Fabrics, Creative Fashions, Interior & Housing Services, Architectural Drafting

FINE ARTS PATH

Intro to Agriculture, Animal Science, Livestock & Equine Management, Vet Science, Animal & Pet Care, Biotech Career Applications, Biotechnology (DC)

LIGHTING & SOUND TECH PATH

Intro to Agriculture, Food Science, Biotech Career Apps (DC), Biotechnology (DC)

MEDIA PROD & BROADCAST PATH

Graphic Design, Photoshop, Photoshop II, Speech, Persuasion & Debate, Advanced Composition, Sports Media Production, Intro to Statistics, AP Statistics, Print Publications

RECOMMENDED FOR ALL ARTS, ENTERTAINMENT, & DESIGN PATHS

- Web Design
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- Any Music Class

Each Program of Study includes associated pathways plus recommended courses

COURSE DESCRIPTIONS

Mathematics

ADVANCED ALGEBRA (MAT2011-2012)
1.0 credit, S1 and S2
Description: Advanced Algebra emphasizes facility with algebraic expressions and forms, especially linear, quadratic, powers, roots, and functions based on these concepts. Students will study trigonometric, polynomial, exponential and other special functions both for their abstract properties and as tools for modeling real-world situations. Students will be expected to have a graphing calculator, preferably a Texas Instruments TI-83 Plus or TI-84 model.

ALGEBRA I (MAT1011-1012)
1.0 credit, S1 and S2
Description: Students will focus on the fundamental concepts of Algebra. Units of study include: Patterns and Equations and Inequalities, Exponential Functions, Quadratic Functions and Equations.

AP CALCULUS AB (MAT4031-4032)
Prerequisite | FST/Pre-Calculus or Pre-Calculus
Description: Students enrolling in this course must have taken Pre-Calculus, have a strong foundation, desire, and purpose to study calculus and have adequate time available to meet the demands of the course. Students are required to have a graphing calculator, preferably a Texas Instruments TI-83 Plus or TI-84 model. At the completion of the course, students may elect to take the Advanced Placement Calculus AB Exam to earn college credit. Units of Study include: Numerical Techniques; Implicit Differentiation; Indefinite Integrals; Theorem; Inverse Trigonometric Functions; Definition of a Derivative; Applications of Derivatives; The Fundamental Value Theorem; Differentiation Rules; Natural & Common Logarithms; Applications of Integration; Curve Sketching; and Optimization.

Check out the course descriptions under each department. Each description gives an in-depth view of the course, course number, credits, semester(s) offered, grade levels, and prerequisites.

Arts, Entertainment, & Design

Recommended Student Organizations, Career Experiences, and Work Based Learning

- FBLA & SkillsUSA, Forensics, Art Club, Drama Club
- Warrior Media Internship
- Youth Apprenticeship Program
- Arts, AV & Communication

Program of Study pages also include recommended student clubs/orgs, work based learning experiences, and related post-secondary degrees and programs.

FAMILY & CONSUMER SCIENCE EDUCATION

Wisconsin Technical College System
Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Agribusiness Agronomy Technician
- Agribusiness Science & Technology
- Agricultural Equipment Technology
- Agricultural Power & Equipment Tech
- Agronomy Management
- Animal Science
- Arborist Technician
- Crops and Soil Technician
- Dairy and Livestock Technician
- Dairy Automation
- Dairy Business Management
- Dairy Herd Management
- Dairy Science Management
- Environmental Engineering Tech
- Environmental Health & Water Quality Tech
- Equine Fundamentals
- Farm Business & Production Management
- Garden to Market Specialist
- Greenhouse Operations
- Horticulture Landscape
- Specialty Horticulture
- Lawn, Plant, & Turf Maintenance
- Planting Technology
- Food & Ag Systems

University of Wisconsin College System
Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Agricultural and Applied Economics
- Dairy Science

Family & Consumer Science

CHILD CARE II (FCS3102)
Prerequisites | Child Care I
0.5 credits, S2
Description: This course is designed for the student who is interested in pursuing a career in a licensed day center or the field of education. Students will be eligible to receive state certification as an Assistant Child Teacher (ACCT) and earn three credits toward advanced standing at Madison College. Units of Study include: history of child care, licensing rules & regulations, equipping a child care center, child care center environment, teaching techniques, sudden infant death syndrome (SIDS), shaken baby syndrome (SBS) training. Students will have the opportunity to observe and work with children at local child care centers.

CREATIVE FASHIONS (FCS3102)
Prerequisite | Fashion & Fabrics
0.5 credits, S2
Description: Emphasis is on creativity in sewing, advanced sewing techniques, and clothing construction. Units of Study include: fashion design, career exploration, batiking, tie-dying, upcycling clothing, use of serger, embroidery machine, knitting, crocheting and more!

CULINARY ARTS I (FCS1011/1012)
Prerequisites | None
0.5 credits, S1 or S2, \$40 Student Fee
Description: Students will practice using a variety of cooking methods and equipment and will have the opportunity to participate in cooking labs. Units of Study include: nutrition and diet analysis, safety and sanitation, recipe reading and interpretation, fruits and vegetables, quick breads, dairy, grains, meats and other proteins, meal preparation and presentation.

Some courses may include a student fee -- that is also listed on course descriptions.

NOTE: Text that is underlined throughout this guide indicates an active hyperlink to provide additional information or resources.



Using this Planning Guide - Acronyms & Definitions

CAREER CLUSTER: One of 16 nationally recognized groups of jobs and industries that are related by similar skills and knowledge.

CAREER PATHWAY: A career pathway is a series of educational and training steps that lead to a specific job or field. It provides a clear roadmap for career growth, outlining the sequence of roles, experiences, and credentials needed for advancement within an industry.

COOPERATIVE ACADEMIC PARTNERSHIP PROGRAM (CAPP): a convenient and affordable way for high school students to earn concurrent high school and college credit, while developing key skills for future success. Note: Qualified juniors and seniors may earn college credit through CAPP. All dual credit options are dependent upon appropriate teacher certification and may change with changes in staffing. 11-13 additional credits may be earned retroactively upon enrollment in the UW system if a grade of A or B is earned both semesters. Additional four-year universities may offer retroactive credit, please check with the individual university.

DUAL CREDIT (DC): Dual credit allows high school students to take a college-level course at their high school, taught by a certified high school instructor and receive technical college credit if all Dual-Credit requirements are met. These may include earning a specific grade or enrolling at a specific grade level. The course curriculum matches the Madison College course taught on campus.

EQUIVALENCY MATH (EM): WCHS courses designated as an equivalency math credit (max 1.0 EM credits allowed).

EQUIVALENCY SCIENCE (ES): WCHS courses designated as an equivalency science credit (max 1.0 ES credits allowed).

INDUSTRY RECOGNIZED CREDENTIALS (IRC): An industry-recognized credential is a certification, license, or other form of verification that confirms a person has the skills, knowledge, and abilities needed to perform a specific job or role according to industry standards. These credentials are valued by employers because they demonstrate that an individual is prepared for the workplace and meets established professional requirements within a particular field.

LAUDE (L1, L2, L)**: WCHS courses designated as rigorous academic classes.

NCAA APPROVED (N): WCHS core courses approved for prospective student-athletes seeking NCAA initial-eligibility.

PROJECT LEAD THE WAY (P): Project Lead the Way (PLTW) is the nation's leading provider of K-12 STEM programs which are designed to help students develop the skills necessary to succeed in the global economy.

PROGRAM OF STUDY: A coordinated sequence of academic and career related opportunities within our high school that incorporates state academic standards, technical skills, employability skills, and aligns with labor market data in our state.

WORK BASED LEARNING (WBL): School-supervised work-based learning reinforces the connection between work and school, provides an opportunity for meaningful contact with adults/mentors, improves their chances for successful employment as young adults, and helps solidify career interests.



Academic Items to Note

MINIMUM CREDIT LOAD

All WCHS Students are required to register for 3.0 credits* per semester unless otherwise defined by administration, IEP, or 504 Plan. *Teacher Assistant (TA) does NOT count toward a student's required 3.0 credit load per semester.

SCHEDULE CHANGES

Students will only be granted a schedule change request if one or more of the following criteria are met, and require the approval of parent and building principal:

- Graduation requirement (Grade 12 only)
- College admission requirement (Grades 11-12 only)
- Failure/Class repeat (Grades 10-12 only)
- Work based learning programs (Grades 11-12 only)
- Enrollment in an incorrect course "level"
- Documented medical circumstances

DROPPING A CLASS

A student may drop a course, without penalty, within the first seven (7) class periods of the semester, as long as it does not put the student below a full-time schedule of 3.0 credits*. Any course dropped after the seventh (7th) class period will be included on the student transcript with a W (withdrawal with a passing grade) or a WF (withdrawal with a failing grade). The specific notation will be at the discretion of the teacher and high school administration. Students are encouraged to carefully consider their course options prior to registration. For seniors: schedule change requests for academic courses must obtain prior approval from any colleges that have a submitted application. *Teacher Assistant (TA) does NOT count toward a student's required 3.0 credit load per semester.

REPEATING A CLASS

Classes may be retaken for credit with the approval of the high school principal when the grade for the class the first time it was taken was a failure. All classes taken will appear on the student's transcript and be utilized in computing the student's grade point average. The high school principal should use discretion in determining whether a student may retake a class. Classes are not to be retaken simply to improve the grade point average or class standing. In certain situations, a student may talk to their counselor about the option of retaking a class as a "no mark audit" (enrollment in a course for no grade and no credit).

COURSES COMPLETED OUTSIDE OF WAUNAKEE COMMUNITY HIGH SCHOOL

All coursework taken outside of WCHS must be approved in advance of starting the class, please see your school counselor, School to Career Coordinator, or Pathways Coordinator (Pathway students) for appropriate paperwork.

EARLY GRADUATION ([Waunakee BOE Policy 345.6, Item A](#))

The Board of Education acknowledges that some students are pursuing educational goals which include graduation from high school at an earlier date than their designated class. An application for early graduation must be submitted to the high school principal in accordance with school regulations. The principal may honor this request if all conditions for graduation are met and the student fulfills the graduation requirements. If a decision is made to deny the early graduation request, the student or parent/guardian may appeal the decision to the superintendent, whose decision shall be final. The student may participate in the graduation ceremonies with his/her designated class.

JUNIOR/SENIOR RESPONSIBILITY RELEASE PROGRAM ([Waunakee Student Handbook, page 18](#))

Students in good standing may substitute a release period for a study hall. Criteria for release are based on a review of academic grades, attendance, and behavior data.



WCHS Credit Requirements

	WCHS Graduation Requirements	University of Wisconsin System Admission Requirements	NCAA Division I and II Eligibility Requirements
English	4 Credits including ✓ English 9 or Adv. English 9 ✓ English 10 or Adv. English 10 or AP Seminar Eng 10	4 Credits including ✓ Literature and Composition course during junior or senior year <i>(Digital Communications/Sports Media Production may not count as an English credit)</i>	4 Credits ✓ Digital Communications (Sports Media Production) is NOT an approved NCAA course
Math	3 Credits	3-4* Credits including ✓ Algebra ✓ Geometry ✓ Advanced Algebra	3 Credits
Science	3 Credits including ✓ Biology ✓ At least one Physical Science course	3-4 Credits	3 Credits including ✓ 2 credits of natural/physical science ✓ 1 credit of lab science
Social Studies	3 Credits including ✓ World History ✓ US History or AP US History ✓ Law	3-4 Credits	2 credits
Physical Education	1.5 Credits including ✓ Intro to PE		*Four additional credits/years of English, math, natural/physical science, social science, or world language
Health	.25 Credit		
Careers	.25 Credit		
Personal Finance	.50 Credit *Starting with Class of 2028		
Electives	Student choice credits outside of requirements	World Language ✓ 2 years encouraged for 4-year campuses ✓ 2 years of single world language required but 3-4 years are typical for admission (UW-Madison only)	16 Core Courses 10 of 16 must be completed prior to the start of senior year
Total Credits	24 Credits	Students are responsible for verifying specific requirements for each university .	Students are responsible for verifying their courses meet NCAA Eligibility Requirements
Other	Successful completion of the WI Civics Exam	22	



WCHS 4-Year Planning

Grade 9 Requirements	Semester 1	Semester 2
ENGLISH English 9 or Adv English 9 MATH PHYSICAL EDUCATION Intro to PE SCIENCE Biology SOCIAL STUDIES World History		
ALTERNATE COURSE		
ALTERNATE COURSE		

Starting with the Class of 2028, Personal Finance is now a Graduation Requirement and students should plan on taking the course (formerly known as Dollars & Sense) during Grade 9 or Grade 10

Grade 10 Requirements	Semester 1	Semester 2
CAREER WORKSHOP HEALTH ENGLISH English 10 or AP Seminar Eng 10 MATH PHYSICAL EDUCATION SCIENCE SOCIAL STUDIES US History or AP US History		
ALTERNATE COURSE		
ALTERNATE COURSE		



WCHS 4-Year Planning

Grade 11 Requirements	Semester 1	Semester 2
ENGLISH MATH PHYSICAL EDUCATION SCIENCE SOCIAL STUDIES		
ALTERNATE COURSE		
ALTERNATE COURSE		

Starting with the Class of 2028, Personal Finance is now a Graduation Requirement and students should plan on taking the course (formerly known as Dollars & Sense) during Grade 9 or Grade 10

Grade 12 Requirements	Semester 1	Semester 2
ENGLISH SOCIAL STUDIES <i>Law</i> The following are recommended, and required if graduation requirements were not met in previous years MATH PHYSICAL EDUCATION SCIENCE		
ALTERNATE COURSE		
ALTERNATE COURSE		



Laude Information

The purpose of the Laude System is to recognize students for the rigor of their academic program as well as their success in that program. This award system was initiated with the Class of 2011. It is implemented in addition to the gold honor cords that are awarded for GPAs of 3.6 or higher.

Laude points are based on course credits and course rigor.

Laude scores will be posted for seniors to review each spring. Once posted, seniors will have one week from the day the scores are posted to contest their score with the High School Principal.

Please note that no adjustments to laude scores will be considered after that deadline.

Included on the following pages is the WCSD policy and procedure for calculating Laude points for our seniors prior to graduation, a table of current WCHS courses that earn Laude points, and the policy and procedure for using the Laude system for reporting students for the Wisconsin Guarantee. In addition to the WCHS courses listed, students and families should be aware of other high school opportunities that are assigned Laude points. These are included in the following table.

Early College Credit Program Courses	Approved courses through this program will earn HS and College Credit if successfully completed, Laude points are based on the number of college credits earned (e.g. 1-2 college credits = 1 Laude point, 3-5 college credits = 2 Laude points)
Online Advanced Placement Courses	Students may have the opportunity to enroll in an online Advanced Placement Course, and those courses will earn Laude points (e.g. semester course = 1 Laude point, year-long course = 2 Laude points)
Start College Now Courses	Approved courses through this program will earn HS and College Credit if successfully completed, Laude points are based on the number of college credits earned (e.g. 1-2 college credits = 1 Laude point, 3-5 college credits = 2 Laude points)
Youth Apprenticeship Program	All Youth Apprenticeship Programs will earn 1 Laude point per semester that a student is actively participating (up to 4 semesters). Starting with the Class of 2025.
Other: Transfer Credits, Study Abroad Courses, and “Offsite” Youth Apprenticeship Related Coursework	These are unique situations and courses will be considered on an individual basis based on the rigor of the courses. Course requests for consideration of Laude credit must be submitted by March 1 to the High School Principal.



Laude Information

The WCSD policy and procedure for calculating Laude points for our seniors prior to graduation is outlined in the following table.

Award Levels	<p>There are three levels of awards:</p> <ul style="list-style-type: none"> ● Summa Cum Laude (purple cord) ● Magna Cum Laude (silver cord) ● Cum Laude (white cord)
Minimum GPA	<p>To be considered for a Laude award, a student must have a cumulative GPA after first semester senior year of 3.0 or higher. This is approximately the top half of the class.</p>
Laude Score	<p>A student's Laude score will be determined by multiplying:</p> <ol style="list-style-type: none"> 1. The student's cumulative GPA after first semester Senior year by 2. The number of "advanced" semester courses completed in all four years as listed on the Advanced Courses chart, including 2nd semester senior year courses
Score Breaks	<p>There will be no rounding of Laude scores</p> <ul style="list-style-type: none"> ● 56+ Summa Cum Laude ● 40 – 55.999 Magna Cum Laude ● 24 – 39.999 Cum Laude <p>There may be some students who will need to be considered on a case-by-case basis, such as students who take a semester or year abroad or who graduate early.</p>
Examples	<p>Minimum combination for Summa Cum Laude</p> <ul style="list-style-type: none"> ● 4.0 GPA and 14 semesters of advanced coursework ● 3.5 GPA and 16 semesters of advanced coursework ● 3.0 GPA and 19 semesters of advanced coursework <p>Minimum combination for Magna Cum Laude</p> <ul style="list-style-type: none"> ● 4.0 GPA and 10 semesters of advanced coursework ● 3.5 GPA and 12 semesters of advanced coursework ● 3.0 PGA and 14 semesters of advanced coursework <p>Minimum combination for Cum Laude</p> <ul style="list-style-type: none"> ● 4.0 GPA and 6 semesters of advanced coursework ● 3.5 GPA and 7 semesters of advanced coursework ● 3.0 GPA and 8 semesters of advanced coursework
Sample Calculation	<p>GPA = 3.685 Courses: AP Psychology (2), Pre-Calculus (2), AP US History (2), AP Calculus AB (2), AP Lit & Comp (2), Biotechnology (1), Adv. Art Workshop (1) = 12 Laude points Calculation: $3.685 \times 12 = 44.22$ earns Magna Cum Laude</p>



Laude Courses

Department	Sem/Points	Course Title
Art Education	1	Advanced Art Workshop
Business & Information Technology and Marketing Education	2 2 1 1	Advanced Accounting Marketing 2 (through 2025-26) Social Media Marketing (DC) (starting in 2026-27) Selling Principles (DC) (starting in 2026-27)
Communication Arts	1 2 2 2 2	Advanced Creative Writing Advanced English 9 (starting with Class of 2030) AP English Language & Composition AP English Literature & Composition AP Seminar English 10 (starting with Class of 2029)
Computer Science	2 2	AP Computer Science A (EM) AP Computer Science Principles: Cybersecurity
Math	2 2 2 2 2	AP Calculus AB AP Calculus BC AP Statistics FST/Pre-Calculus Pre-Calculus
Music	2 2 2	4th year of band + A solo/duet 4th year of choir + A solo/duet 4th year of orchestra + A solo/duet
Science	2 2 1 1 1	AP Biology AP Chemistry Biotechnology (DC) Physics II, semester 1 Physics II, semester 2 See Also: Principles of Engineering (ES) under TEE
Social Studies	1 2 2 2 2	AP Macroeconomics AP European History AP Psychology AP US Government and Politics AP US History
Technology and Engineering Education	2 2	Engineering Design and Development Principles of Engineering (ES)
World Language	2 2 2 2 2	French V Mandarin Chinese IV (through 2026-2027) Mandarin Chinese V Spanish V Spanish VI



Laude Information for Wisconsin Guarantee

THE WISCONSIN GUARANTEE

The Wisconsin Guarantee provides automatic admission opportunities for Wisconsin high school students based on class rank at the end of junior year.

- **Top 5% of class:** Guaranteed admission to **UW–Madison**
- **Top 10% of class:** Guaranteed admission to **all other Universities of Wisconsin**

HOW WAUNAKEE DETERMINES CLASS RANK

The **WCHS Laude System** is used to identify students in the top 5% and top 10% using:

- **Cumulative GPA** through the end of junior year
- **Laude points** earned through advanced coursework completed by the end of junior year

Students and their families are notified if they have earned either designation in late June. Top 5% and top 10% endorsements are noted on transcripts.

IMPORTANT INFORMATION

- Students must still **apply for admission** to the universities they wish to attend.
- All applicants must meet each campus's **standard course requirements**.
- Universities conduct a **holistic review** to evaluate applicants for direct-entry programs and scholarships.
- To use The Wisconsin Guarantee for **UW–Madison**, students must submit their application by the **Early Action deadline**. [Please click this link for more detailed UW-Madison information.](#)
- **National Merit Scholarship Program finalists** also receive guaranteed admission to UW–Madison.
- The Wisconsin Guarantee ensures admission to the **university**, not to specific majors or programs.
- For campus-specific questions, contact the **Undergraduate Admission Office** at the UW campus of interest.

EXAMPLE: WISCONSIN GUARANTEE LAUDE CALCULATION

To qualify for a Laude award, a student must hold a **minimum 3.0 cumulative GPA** through junior year.

Laude Score: Calculated by multiplying the student's cumulative GPA by the number of semesters of advanced courses completed through junior year (see WCHS Laude Courses page).

Sample Calculation: GPA: 4.032

- Completed semesters of advanced courses (13 total):
 - AP U.S. History (2)
 - AP Psychology (2)
 - AP Macroeconomics (1)
 - AP English Language & Composition (2)
 - AP Biology (2)
 - Pre-Calculus (2)
 - Youth Apprenticeship (2)

28

Laude Score: $4.032 \times 13 = 52.416$ points



Advanced Placement Courses

WHAT IS ADVANCED PLACEMENT?

Advanced Placement (AP) Courses allow students to enroll in rigorous, college-level courses while in high school. The potential for college credit is determined based on the AP exam score (generally a score of 3 or higher earns college credit). Students who do not opt out of an AP Exam are required to pay the exam fee (\$104 for 2025-26, subject to change).

AP exams take place once each year over the course of two weeks in May. The college credit that is awarded is specific to each institute of higher education and detailed information for how the UW-System awards AP credit may be found here: [UW Additional Credit Opportunities](#)

For private colleges/universities in Wisconsin as well as out of state schools, it is best to research the individual schools as the credits granted are specific to each respective college/university or by using the following [AP Credit Policy Search](#).

More information on the AP Program may be found here: [AP College Board Website](#).

As an added resource, each AP Course offered at the high school will include a direct link to the AP College Board website for more information about the specific course and exam on the course description pages.

Course	Grade 9	Grade 10	Grade 11	Grade 12
AP Biology			X	X
AP Calculus AB			X	X
AP Calculus BC			X	X
AP Chemistry			X	X
AP Computer Science A - EM			X	X
AP Computer Science Principles: Cybersecurity		X	X	X
AP Macroeconomics			X	X
AP European History			X	X
AP Language & Composition			X	
AP Literature & Composition				X
AP Psychology			X	X
AP Seminar English 10		X		
AP Statistics			X	X
AP US Government and Politics			X	X
AP US History	29	X	X	X



Pathways, Early Post-Secondary, and Online Opportunities

WCHS PATHWAYS PROGRAM

The Pathways Department provides support for advanced learners in the Waunakee Community School District. Early entrance into a course, doubling up of courses, compacting of course material, independent study and/or taking advanced courses online is possible through demonstrated proficiency, academic ability, and/or high interest levels. For more information, contact the Pathways Coordinator, Janell Dorn, at 608-849-2100.

EARLY POST-SECONDARY OPPORTUNITIES

The [Early College Credit \(ECCP\)](#), and [Start College Now \(SCN\)](#), programs allow public high school students who meet certain requirements to take post-secondary courses at a Wisconsin technical college, a UW System college or university, a Wisconsin tribally controlled college, or a Wisconsin private, nonprofit college or university.

Through the Early College Credit Program ([BOE Policy 343.46](#)) and/or the Start College Now Program ([BOE Policy 343.45](#)), the Waunakee Board of Education will determine if a desired college course can be taken for high school credit and is not comparable to a current course offered by the district. In such cases, and unless the student fails to complete or get a passing grade in the course, the district will pay the cost of tuition and fees (up to 18 postsecondary credits) and the student will receive both high school and college credit. This high school credit will then count toward the student meeting high school graduation requirements needed to earn a high school diploma. Grades from the college will be shared with the high school and will be reported on the student's transcript and will impact their GPA. For both ECCP and SCN Programs, applications for Fall courses are due by March 1 and for Spring courses by October 1. For ECCP Summer applications, those are due no later than February 1. To obtain more information about this program, contact the WCHS School to Career Coordinator, Mrs. McGlynn, at 608-849-2137.

ONLINE COURSES

Through partnership with the Wisconsin eLearning Network, Waunakee High School is able to offer students options for online courses if they meet specific criteria. Online courses in nearly every curricular area are available at no cost to the student learner. Students are required to meet with their high school counselor, Pathways Coordinator, or School to Career Coordinator to determine eligibility for this option. Students must demonstrate general and technical readiness, meet technological requirements, meet all course prerequisites, demonstrate the ability to work independently, and meet one of the following contexts:

1. Course is not offered at Waunakee High School
2. Scheduling conflict due to singleton sections in the student's individualized learning plan
3. Necessary for a student's four-year plan
4. Travel abroad or for national athletic teams
5. Health related concerns
6. Former home school student
7. Mid-year transfer from another school
8. Supports student placement in a Youth Apprenticeship Program

If a student's placement in an online course is approved, learning contracts are required for the student and parent. Students who are enrolled in an online course may be required to include a study hall in their schedule in order to ensure time is available for the student to successfully meet all online course requirements and remain on pace with online assignments and exams. All approved online coursework is coordinated and graded by a contracted online instructor outside of the Waunakee School District. Online course grades are entered into the Infinite Campus portal every grading period, similar to all other traditional courses, and will appear on a student's transcript. For questions regarding online courses at Waunakee High School, parents and/or students should contact their student's school counselor, Pathways Coordinator, or the School to Career Coordinator.



School to Career Opportunities

For all School to Career courses and programs, whenever possible, a job should be secured before school starts. While teachers and program coordinators may become aware of available positions, finding a job is ultimately the responsibility of the student/parent/guardian. Students have four weeks into each semester to secure a position, or they will be ineligible to earn credit and any release time. All credits earned through these programs are elective.

EMPLOYABILITY SKILLS (STC3101/3102) 0.5 or 1.0 credit, S1 and/or S2 11-12

Description: Students must apply for this experience. It is beneficial for students to be enrolled in a related course (Ag, Business, FACS, Tech, Engineering, or Marketing). Juniors and Seniors with a 2.7 GPA enrolled in Employability Skills may be eligible for a school-approved work release each semester. The Employability Skills program allows Juniors and Seniors to gain valuable work experience while they are still in school. Upon successful completion, this work experience will recognize the student's mastery of employability skills valued by employers and will provide a state-certified certificate to validate accomplished employability skills. Students must complete: 90 hours of on-the-job experience, all meeting and journaling requirements, and the Wisconsin DPI Skills Portfolio in order to earn 0.5/1.0 credit per semester. Credits are based on hours worked each semester. Students may repeat this experience for up to two years.

INTERNSHIP PROGRAM (STC3141/3142) 0.5 or 1.0 credit, S1 and/or S2 11-12

CAREER PATHWAY: EDUCATION/FUTURE TEACHER (WCSD)

Description: Students must apply for this experience. In order to provide an opportunity for our students who are interested in Education as a future career pathway (not including Early Childhood Education), students may apply to this unpaid internship program. The program includes a partnership with a Waunakee (or other local) licensed educator who is willing to mentor a High School student, in 11 and 12 grade, in an Education Pathway. The partnership would focus on grades K-6. A skills checklist will be established and used to evaluate the HS student at the end of the program, with periodic in-person evaluations to be completed by the School to Career Coordinator. Students will be allowed to schedule internship releases into their schedule the same as other work based learning students, and would be responsible for their own transportation to the approved internship site. An hour requirement would be 90 logged hours per semester to earn 0.5 credit or 180 logged hours to earn 1.0 credit. Students may repeat this experience for up to two years.

INTERNSHIP PROGRAM (STC3151/3152) 0.5 credit, S1 and/or S2 9-12

CAREER PATHWAY: ARTS/AV/BROADCAST JOURNALISM (WARRIOR MEDIA)

Description: Students must apply for this experience. In order to provide an opportunity for our students who are interested in Warrior Media, this unpaid internship is available for grades 9-12. An hour requirement would be 90 logged hours per semester to earn 0.5 credit. There are no work releases approved for this internship. Students may repeat this experience.

INTERNSHIP PROGRAM (STC3161/3162) 0.5 credit, S1 and/or S2 11-12

CAREER PATHWAY: MARKETING OR BUSINESS (WAUNAKEE NEIGHBORHOOD CONNECTION)

Description: Students must apply for this experience. In order to provide an opportunity for our students who are interested in a volunteer experience with a local non-profit, WNC has partnered with WCHS to offer three (3) different intern programs: Marketing Outreach, Administrative Professional, and Welcome Desk. Each program requires specific skills and will include periodic in-person evaluations to be completed by the School to Career Coordinator. Students will be allowed to schedule internship releases into their schedule the same as other work based learning students, and would be responsible for their own transportation to the approved internship site. An hour requirement would be 90 logged hours per semester to earn 0.5 credit. Students may repeat this experience for up to two years.



School to Career Opportunities



SINCE 1991
YOUTH APPRENTICESHIP
WISCONSIN

YOUTH APPRENTICESHIP

2.0 credits, S1 and S2

11-12

Prerequisites | Application & Interview, Info Session Attendance, Concurrent Enrollment in Related Coursework

Description: Students must apply for this learning opportunity. A prospective Youth Apprenticeship meeting will be held the beginning of second semester. Attendance is mandatory for participation in the Youth Apprenticeship program. Students are required to provide own transportation to class and the worksite during the day. Students enrolled in the Youth Apprenticeship program must also be enrolled in concurrent courses at the high school or through the Youth Apprenticeship program. Students will need to meet with a Counselor and the School to Career Coordinator before applying for this program. 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. As a youth apprentice, students will earn an hourly wage while learning from skilled professionals. While enrolled in the Youth Apprenticeship program, students will develop academic and occupational skills necessary for employment. Students must concurrently enroll in a course related to their Apprenticeship; options for Waunakee High School courses, online courses, apprenticeship-related courses, or postsecondary courses are available to meet this requirement. Students must complete: 450 hours of on-the-job experience during the year, all meeting and journaling requirements, and a skills portfolio in order to earn 1.0 credit per semester. Students may repeat this experience for up to two years.

YOUTH APPRENTICESHIP PROGRAMS

- Agriculture & Natural Resource Youth Apprenticeship
YAP3011-3012
- Architecture & Construction Youth Apprenticeship
YAP3061-3062
Includes Carpentry, Electrical, Heavy Equipment, HVAC, Plumbing, Utilities Field Tech
- Auto Technician Youth Apprenticeship
YAP3111-3112
- Aviation Maintenance Youth Apprenticeship
YAP3621-3622
- Biotechnology (STEM) Youth Apprenticeship
YAP3161-3162
- Broadcast Journalism Youth Apprenticeship
YAP3531-3532
- Business Admin Youth Apprenticeship
YAP3651-3652
- Certified Nursing Assistant Youth Apprenticeship
YAP3211-3212
- Engineering (STEM) Youth Apprenticeship
YAP3261-3262
- Finance Youth Apprenticeship
YAP3311-3312
Includes Banking or Accounting
- Graphic Arts Youth Apprenticeship
YAP3361-3362
- Health Youth Apprenticeship
YAP3411-3412
Includes Dental Assistant, Dietary Aide, Medical Assistant, Medical Imaging, Medical Lab, Medical Office, Optical Assistant, Pharmacy Tech, Phlebotomy, PT Aide, Resident Aide
- Education Youth Apprenticeship
YAP3431-3432
Includes Early Childhood or School Age
- Hospitality Youth Apprenticeship
YAP3461-3462
- Information Technology Youth Apprenticeship
YAP3561-3562
- Insurance Youth Apprenticeship
YAP3511-3512
- Manufacturing Youth Apprenticeship
YAP3611-3612
- Marketing Youth Apprenticeship
YAP3661-3662
- Pharmacy Technician Youth Apprenticeship
YAP4011-4012
- Vet Technician Youth Apprenticeship
YAP3811-3812



School to Career Opportunities

YOUTH APPRENTICESHIP PROGRAM FRAMEWORK

Key elements of the youth apprenticeship program are:

- Industry-developed skill standards
- Exposure to multiple aspects of the industry
- Skilled mentors assigned to train the students
- Paid on-the-job work experience
- Related classroom instruction concurrent with work-based learning
- Curriculum guidelines for all programs
- Performance evaluation of demonstrated competencies
- State-issued skill certificate



Youth Apprenticeship (YA) integrates school-based and work-based learning to instruct students in employability and occupational skills defined by Wisconsin industries. Local programs provide training based on statewide youth apprenticeship curriculum guidelines, endorsed by business and industry. Students are instructed by qualified teachers and skilled worksite mentors. Students are simultaneously enrolled in academic classes to meet high school graduation requirements, in a youth apprenticeship related instruction class, and are employed by a participating employer under the supervision of a skilled mentor.

OTHER SCHOOL TO CAREER COURSES

BIOTECHNOLOGY I, II, III, IV

0.5 credits/Sem, S1 and/or S2

11-12

Prerequisites | Application, Approved Biotechnology Youth Apprenticeship Program

Description: These courses are made available through a partnership with the BioPharmaceutical Technology Center Institute (5445 E. Cheryl Parkway, Fitchburg) to provide approved Biotech Youth Apprenticeship students with a lab-based classroom experience. Biotech I and II focus on orientation, lab basics-making solutions, resume writing and interviewing, DNA isolation and spectrophotometry, restriction enzyme digestion, polymerase chain reaction, current biotechnology topics, protein quantitation and purification, immunodetection: dot blot, ELISA, and western blot. Biotech III and IV focus on STR analysis, RNA isolation, RT-PCR, protein induction purification, gel & transfer, bioinformatics, CRISPR/Genomic Editing, COVID, and tissue culture. All courses are on-site at the BTC Institute one evening per week for a full semester, and all courses are graded and listed on a student's transcript (tuition paid by district, transportation the responsibility of the student/family). All Biotech courses emphasize professional career and technical lab skills.

CERTIFIED NURSING ASSISTANT

0.75 credits, S1 or S2 or Summer

10-12

Prerequisites | Application

Description: This class will prepare students for employment as nursing assistants. Students learn communication skills, basic nursing and personal care skills, clients' rights and care of clients with dementias. A supervised clinical experience with direct client care is a major component of the course. Upon completion, the student is eligible to take the certification for the Wisconsin Nurse Aide Registry. Enrollment Requirements: Must meet minimum age requirements, complete a Background Check, Health Screening, and Reading Requirements. Students who are interested in this program should speak with the School to Career Coordinator on available options through Madison College and Quality CNA. There is an application process and classes are highly competitive. All courses are off-site for 6-8 weeks (generally 3-4 evenings per week), and all courses are graded and listed on a student's transcript (tuition paid by district, transportation the responsibility of the student/family).



Dual Enrollment Opportunities

WCHS COURSE NAME	DUAL ENROLLMENT PARTNERSHIP	POST-SECONDARY CREDITS	POST-SECONDARY COURSE NAME
Accounting I	Madison College	3	Accounting Principles
Biotech Career Apps	Madison College	1	Biotech Career Seminar
Biotechnology	Madison College	1	Biotechnology Applications
Concepts of Entrepreneurship	Univ of Iowa	3	Exploring Entrepreneurship
Education in a Pluralistic Society	Madison College	3	Education in a Pluralistic Society
French V	UW-Oshkosh	5	French 204
Intro to Education & Teaching	Madison College	3	Intro to Education & Teaching
Marketing 1	Madison College	3	Marketing Principles
Medical Terminology	Madison College	3	Medical Terminology
Metal Fabrication	Madison College	3	Fabrication 1
MS Office for Business Applications	Madison College	3	Microsoft Office for Business Applications
Selling Principles	Madison College	3	Selling Principles
Senior Mathematical Reasoning	Madison College	3	Mathematical Reasoning



Dual Enrollment Opportunities

WCHS COURSE NAME	DUAL ENROLLMENT PARTNERSHIP	POST-SECONDARY CREDITS	POST-SECONDARY COURSE NAME
Social Media Marketing	Madison College	3	Social Media Marketing
Spanish V	UW-Oshkosh	5	Spanish 204
Spanish VI	UW-Oshkosh	5	Spanish 312
Welding	Madison College	3	Basic Arc (SMAW)

MADISON COLLEGE DUAL CREDIT

All students in dual credit courses must complete the enrollment process with Madison College. In addition, Madison College requires that students earn a C or higher in order to be awarded college credits for successful completion of any dual credit course. For more information on dual credit, visit [Madison College Dual Credit for High School Students](#).

UW-OSHKOSH (CAPP) DUAL CREDIT

Enrolling in the University of Wisconsin Oshkosh Cooperative Academic Partnership Program (CAPP) courses is a convenient and affordable way for high school students to earn concurrent high school and college credit, while developing key skills for future success. [Click here](#) for more information on the CAPP Program. In CAPP courses students experience the challenge of college curriculum while in a high school environment, which:

- sets them apart from other college applicants.
- gives them the opportunity to register earlier.
- allows them to explore a variety of options while in college.
- provides them a chance to double major and graduate on time.
- lessens their course load.
- helps them graduate early.

UNIVERSITY OF IOWA DUAL CREDIT

Across the University of Iowa, innovation and entrepreneurship are acknowledged as crucial to young people's future success. That's why the university's Jacobson Institute, creator of BizInnovator Startup, and the Tippie College of Business have partnered to offer high school students college credit. BizInnovator Startup students who qualify can earn three transferable college credits. These students demonstrate that they understand the concepts, have gained the 21st century skills they'll need to succeed and are ready for the next step in life.

For more information on this program, visit [College³⁵ Credit - BizInnovator](#).



Course Changes from 2025-26

NO LONGER OFFERED STARTING IN 2026-27

DEPT	COURSE	NOTES
BUSINESS & MARKETING	MARKETING 2	Students will have the opportunity to take two different semester Dual Credit courses (Social Media Marketing & Selling Principles), as well as New Product Development & Market Research.
COMM ARTS	ADV ENGLISH 10	Students will have the opportunity to take AP Seminar English 10
COMP SCI	IT ESSENTIALS	Students will have the opportunity to take AP Computer Science Principles - Cybersecurity

NEW OFFERINGS STARTING IN 2026-27

DEPT	COURSE	NOTES
BUSINESS & MARKETING	SOCIAL MEDIA MARKETING (DC)	Available for grades 11 or 12, semester long course offered both fall and spring. Dual credit (3 cr.) with Madison College.
BUSINESS & MARKETING	SELLING PRINCIPLES (DC)	Available for grades 11 or 12, semester long course offered in the fall. Dual credit (3 cr.) with Madison College.
BUSINESS & MARKETING	NEW PRODUCT DEV & MARKET RESEARCH	Available for grades 11 or 12, semester long course offered in the spring. This course will be offered in alternating years starting in 2027-28.
COMM ARTS	AP SEMINAR ENGLISH 10	Available for grade 10, replaces Advanced English 10.
COMP SCI	AP COMPUTER SCIENCE PRINCIPLES - CYBERSECURITY	Available for grades 10-12, replaces IT Essentials.



Course Snapshot & Program of Study Summary

Notation Key:

- C | UW-Oshkosh Cooperative Academic Partnership Program (CAPP)
- DC | Dual Credit (with Madison College unless noted otherwise)
- EM | Equivalency Math Credit
- ES | Equivalency Science Credit
- L1 | One Laude Point
- L2 | Two Laude Points
- N | NCAA Approved Course
- P | Project Lead the Way (PLTW)
- R | Satisfies a Required Course for Graduation

NOTE: L2 designation on music classes is contingent on four years of participation plus one class "A" solo

Courses	Programs of Study													Grade Levels	Semester	Notations		
	Advanced Manufacturing	Agriculture	Arts, Entertainment, & Design	Construction	Digital Technology	Education	Energy & Natural Resources	Financial Services	Healthcare & Human Services	Hospitality, Events, & Tourism	Management & Entrepreneurship	Marketing & Sales	Public Service & Safety				Supply Chain & Transportation	
Agriculture Education																		
Agriculture Business		X				X										11-12	1	
Agri Machine & Buildings	X	X		X		X									X	10-12	1	
Animal Science		X				X										10-12	1	ES, N
Food Science		X				X			X							10-12	2	
Introduction to Agriculture		X				X	X									9-10	2	
Landscaping Design		X				X	X									10-12	2	
Livestock & Equine Management		X				X										10-12	2	
Natural Resources I		X				X	X									9-10	1	
Natural Resources II		X				X	X									10-12	1	
Plant Science		X				X	X									9-12	1	
Small Animal & Pet Care		X				X										9-10	2	
Veterinary Science		X				X										10-12	2	ES
Art Education																		
2D Art Foundations			X			X						X				9-12	1 or 2	
3D Art Foundations			X			X						X				9-12	1 or 2	
3D Computer Animation			X		X	X			X		X					10-12	2	
3D Computer Animation II			X		X	X			X		X					11-12	2	
Advanced 2D Art			X			X					X					11-12	1	
Advanced 3D Art			X			X					X					11-12	2	
Advanced Art Workshop			X			X					X					12	2	L1
Art Metals			X			X					X					10-12	1	
Big IDEA	X	X	X	X	X	X					X		X			10-12	1 or 2	
Ceramics			X			X					X					10-12	1	
Drawing & Printmaking			X			X					X					10-12	2	
Graphic Design			X		X	X			X	X	X					9-12	2	
IDEA	X	X	X	X	X	X					X		X			9-12	1 or 2	
Painting			X			X					X					10-12	1	
Photography			X			X			X		X					10-12	2	
Photoshop			X		X	X			X	X	X					10-12	1	
Photoshop II			X		X	X			X	X	X					11-12	1	
Textiles			X			X					X					10-12	2	



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Business & Information Technology & Marketing																	
Accounting (DC)		X				X		X		X	X	X	X	X	10-12	1 & 2	DC
Advanced Accounting						X		X			X	X	X		11-12	1 & 2	L2
Career Workshop	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10	1 or 2	R
Concepts of Entrepreneurship (DC)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1	DC
Global Business						X		X	X	X	X	X	X		11-12	1	
Management & Ethics	X			X		X	X	X	X	X	X	X	X	X	11-12	2	N
Marketing 1 (DC)	X	X				X		X		X	X	X	X		10-12	1 & 2	DC
MS Office Basics	X	X			X	X			X	X	X	X	X	X	9-12	1 or 2	
MS Office for Business Apps (DC)	X	X			X	X	X	X	X	X	X	X	X	X	9-12	2	DC
New Product Dev & Market Research						S		X	X	X	X	X	X		11-12	2	
Personal Finance	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-10	1 or 2	R
Selling Principles (DC)						X		X	X	X	X	X	X	X	11-12	1	DC, L1
Social Media Marketing (DC)						X		X	X	X	X	X	X		11-12	1 or 2	DC, L1
Sports & Entertainment Marketing						X				X	X	X	X		11-12	2	
Video Editing and Digital Design			X		X	X				X	X	X	X		11-12	1	
Web Design			X		X	X				X	X	X	X		10-12	2	
Communication Arts																	
Advanced Composition	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1	N
Advanced Creative Writing	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	2	L1, N
Advanced English 9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9	1 & 2	L2, N, R
AP English Language & Composition	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11	1 & 2	L2, N
AP English Literature & Composition						X							X	X	12	1 & 2	L2, N
AP Seminar English 10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10	1 & 2	L2, N, R
American Literature						X								X	11-12	2	N
Creative Writing	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1 or 2	N
Dramatic Literature			X			X								X	11-12	1	N
English 9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9	1 & 2	N, R
English 10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10	1 & 2	N, R
Mass Media			X	X		X				X		X			11-12	2	N
Modern Literature						X								X	11-12	1	N
Multicultural Literature						X								X	11-12	2	N



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Communication Arts																	
Persuasion & Debate			X		X	X		X	X	X	X	X	X	X	11-12	2	N
Science Fiction Literature						X							X	11-12	2	N	
Speech	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1	N
Sports Media Production			X		X	X						X		11-12	1 &/or 2		
Women's Literature						X							X	11-12	1	N	
Computer Science																	
AP Computer Science A	X				X	X		X			X	X	X	X	11-12	1 & 2	EM, L2, N
AP Comp Sci Principles - Cybersec	X				X	X		X			X	X	X	X	10-12	1 & 2	L2, N
Computational Thinking	X				X	X		X			X	X	X	X	9-12	1 or 2	EM, N
Computer Science I	X				X	X	X	X	X		X	X	X	X	10-12	1 or 2	
Computer Science II	X				X	X	X	X	X		X	X	X	X	11-12	2	
Game Design			X		X	X					X	X	X	X	9-12	2	
Family and Consumer Science Education																	
Baking & Pastry Arts		X				X				X					10-12	1 or 2	
Child Care I						X			X	X					10-12	1	
Child Care II						X			X	X					11-12	2	
Creative Fashions			X			X						X			10-12	2	
Culinary Arts I		X				X				X					9-12	1 or 2	
Culinary Arts II		X				X				X					10-12	2	
Culinary Arts III		X				X				X					11-12	1 & 2	
Education in a Pluralistic Society (DC)						X			X						11-12	2	DC
Fashion & Fabrics			X			X						X			9-12	1	
Interiors & Housing Services			X	X		X						X			10-12	2	
Intro to Education & Teaching (DC)						X									11-12	1	DC
Personal Relationships	X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	1	
Health and Health Science Education																	
Advanced Health						X			X				X		11-12	1 or 2	
Foundations of Healthcare Delivery						X			X				X		9-12	1 or 2	
Health & Wellness	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10	1 or 2	R
Health Science Occupations						X			X				X		9-12	1 or 2	
Medical Terminology		X				X			X				X		10-12	1 or 2	DC



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Mathematics																	
Advanced Algebra	X			X	X	X	X						X		9-12	1 & 2	N
Algebra I	X			X	X	X	X						X		9-10	1 & 2	N
AP Calculus AB	X				X	X		X	X					X	11-12	1 & 2	L2, N
AP Calculus BC						X									12	1 & 2	L2, N
AP Statistics	X	X	X	X	X	X		X	X	X	X	X		X	11-12	1 & 2	L2, N
FST	X					X	X							X	10-12	1 & 2	N
FST/Pre-Calculus						X									10-12	1 & 2	L2, N
Geometry	X			X	X	X	X						X		9-11	1 & 2	N
Intro to Discrete Math					X	X									11-12	2	N
Intro to Statistics	X	X	X	X	X	X		X	X	X	X	X		X	11-12	1	N
Pre-Calculus	X				X	X	X	X	X		X	X	X		11-12	1 & 2	L2, N
Senior Mathematical Reasoning (DC)						X									12	1 & 2	DC, N
Music																	
Band			X	X	X	X			X	X	X	X			10-12	1 & 2	L2 (note)
Chorale			X	X	X	X			X	X	X	X			9-12	1 & 2	L2 (note)
Concert Band			X	X	X	X			X	X	X	X			9	1 & 2	L2 (note)
Concert Choir			X	X	X	X			X	X	X	X			10-12	1 & 2	L2 (note)
Digital Music Production			X	X	X	X			X	X	X	X			9-12	2	
Jazz Improvisation			X	X	X	X			X	X	X	X			9-12	1	
Music History			X	X	X	X			X	X	X	X			9-12	2	
Music Theory & Composition			X	X	X	X			X	X	X	X			10-12	1	
Philharmonic Orchestra			X	X	X	X			X	X	X	X			9	1 & 2	L2 (note)
Sonoro			X	X	X	X			X	X	X	X			11-12	1 & 2	L2 (note)
Symphony Orchestra			X	X	X	X			X	X	X	X			10-12	1 & 2	L2 (note)
The Music Workshop			X	X	X	X			X	X	X	X			9-12	1	



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Physical Education																	
Advanced Fitness						X							X		11-12	1 or 2	
Intro to Physical Education	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-10	1 or 2	R
Lifeguard Certification						X							X		10-12	2	
Lifetime Individual Activities						X							X		10-12	1 or 2	
Lifetime Team Activities						X							X		10-12	1 or 2	
Strength & Conditioning						X							X		10-12	1 or 2	
Strength & Conditioning II						X							X		10-12	1 or 2	
Unified Physical Education						X							X		10-12	1 or 2	
Science																	
AP Biology		X				X	X		X						11-12	1 & 2	L2, N
AP Chemistry						X									11-12	1 & 2	L2, N
Biology	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9	1 & 2	N, R
Biotech Career Apps (DC)		X				X	X		X						10-12	1	DC, N
Biotechnology (DC)		X				X	X		X						10-12	2	DC, L1, N
Chemical World						X									10-12	2	N
Chemistry	X			X		X	X		X				X	X	10-12	1 & 2	N
Ecology: Ecosystems of So. WI		X				X	X								11-12	1	N
Ecology: Environment & You		X				X	X								11-12	2	N
Geology						X	X								10-12	2	N
Human Anatomy & Physiology						X			X				X		11-12	1	N
Human Anatomy & Physiology II						X			X				X		11-12	2	N
Intro to Astronomy						X									10-12	1 or 2	N
Physical World						X									10-12	1	N
Physics	X			X	X	X	X							X	11-12	1 & 2	N
Physics II	X			X	X	X								X	12	1 &/or 2	L1 (sem), N
Principles of Biomedical Science						X			X						9-10	1 & 2	N, P
Principles of Engineering	X			X	X	X								X	11-12	1 & 2	ES, L2, N, P
Weather & Climate					X	X	X								10-12	1 or 2	N



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Social Studies																	
AP European History						X									11-12	1 & 2	L2, N
AP Macroeconomics	X	X		X	X	X	X	X			X	X	X	X	11-12	1	L1, N
AP Psychology				X	X	X		X	X	X	X	X	X	X	11-12	1 & 2	L2, N
AP US Government & Politics	X	X		X	X	X	X	X			X		X	X	11-12	1 & 2	L2, N
AP US History	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10-12	1 & 2	L2, N, R
African American Studies						X									11-12	2	N
America in Conflict - US Military Hist						X									11-12	1	N
Economics	X	X		X	X	X	X	X		X	X	X	X	X	11-12	1	N
Exploring Wisconsin	X	X				X	X			X		X	X		11-12	2	N
Issues in Psychology	X			X	X	X		X		X		X	X		10-12	1 or 2	N
Law	X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	1 or 2	N, R
Modern Global Studies		X				X	X			X		X			10-12	1	N
Social Problems		X		X		X	X		X	X		X	X		10-12	1	N
Sociology				X	X	X		X	X	X	X	X	X	X	10-12	2	N
Sports Psychology						X			X						11-12	1 or 2	N
US History	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10	1 & 2	N, R
US Indigenous Studies						X									11-12	1	N
World History	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9	1 & 2	N, R
Technology & Engineering Education																	
Architectural Drafting			X	X		X								X	10-12	2	
Auto Mechanics		X		X	X	X								X	11-12	2	
Basic Home & Auto Maintenance		X		X		X									11-12	2	
Big IDEA	X	X		X	X	X							X	10-12	1 or 2		
Construction I				X		X									10-12	1	
Construction II				X		X									10-12	2	
Digital Electronics	X			X	X	X	X						X	10-12	1 & 2	P	
Engineering Design & Development	X			X		X							X	12	1 & 2	L2, P	
IDEA	X	X		X	X	X							X	9-12	1 or 2		



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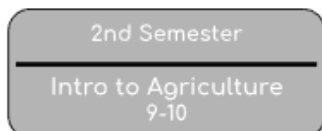
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Technology & Engineering Education																		
Intro to Engineering Design	X			X		X									X	9-12	1 & 2	P
Metal Fabrication (DC)	X	X		X		X	X								X	10-12	2	DC
Metal Technology	X	X		X		X	X								X	10-12	1	
Principles of Engineering (ES)	X			X	X	X									X	11-12	1 & 2	N, L2, P
Print Publications			X		X	X										9-12	1 &/or 2	
Small Engine Technology		X		X	X	X									X	10-12	1	
Welding (DC)	X	X		X		X	X								X	10-12	2	DC
Woods I	X			X		X										9-12	1	
Woods II	X			X		X										10-12	2	
World Language																		
French I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
French II	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
French III	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10-12	1 & 2	N
French IV	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1 & 2	N
French V	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	1 & 2	C, L2, N
Mandarin Chinese I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
Mandarin Chinese II	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
Mandarin Chinese III	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10-12	1 & 2	N
Mandarin Chinese IV	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1 & 2	L2, N
Mandarin Chinese V	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	1 & 2	L2, N
Spanish I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
Spanish II	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
Spanish III	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
Spanish IV	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10-12	1 & 2	N
Spanish V	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1 & 2	C, L2, N
Spanish VI	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	1 & 2	C, L2, N
Spanish Language Arts I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-10	1 & 2	N
Spanish Language Arts II	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1 & 2	N

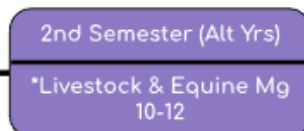
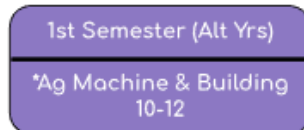
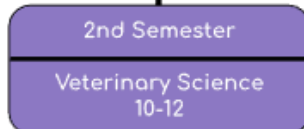
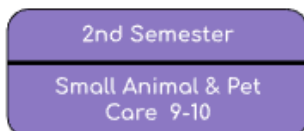


Agriculture Education

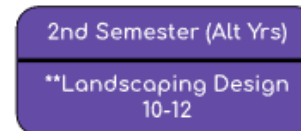
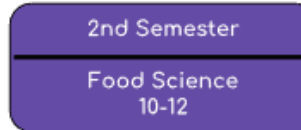
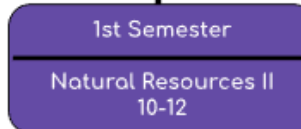
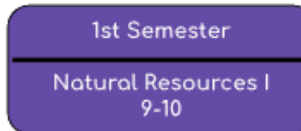
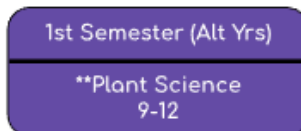
EXPLORATORY



ANIMAL PATH



PLANT PATH



COURSES OFFERED IN 2026-27*

*Agriculture
Machinery &
Buildings
*Livestock & Equine
Management

COURSES OFFERED IN 2027-28**

**Plant Science
**Landscaping
Design

Connecting lines indicate a course is a prerequisite for another (see descriptions for all prerequisite information)

Courses with the WCSD Logo indicate a graduation requirement



AGRICULTURAL BUSINESS (AGR3011)

0.5 credits, S1

11-12

Prerequisite | Any Ag Class or Biotechnology

Description: Agricultural Businesses are unique and diverse, giving many the tools to help others around the world. Many aspects of Agricultural Business will be covered, including financial instruments, farm management, economics, global food markets and marketing, financial strategies, and entrepreneurship. This course will have many business speakers and field trips along with connections to students SAE projects. Students are encouraged to take an agriculture course prior to enrolling to help create a broad understanding of agricultural industries.

AG MACHINE & BUILDINGS (AGR2021)

0.5 credits, S1 (ALTERNATING YEARS)

10-12

Prerequisite | Any Ag or Tech Ed Course

Description: Students will learn about different aspects in agricultural mechanics, engineering, building and precision agriculture. Alongside student's SAE projects, students will be learning through speakers, field trips, projects and time in shop environments. Units of study include: AG Mechanics, Farm Machinery, Agriculture Engineering, Equipment Maintenance, Fencing, Structures, Building Materials, Facility Planning, Precision Agriculture and Land Surveying.



Agriculture Education

ANIMAL SCIENCE (AGR2031)

0.5 credits, S1, Equivalency Science Credit (ES)

10-12

Prerequisite | Biology

Description: Science credit is awarded for successful completion of this course as it is recognized as a science equivalency by the Wisconsin Department of Public Instruction as a third science credit. Please note that a maximum of 1.0 science credit may be earned from all (ES) courses completed. This course is designed for the student who wants to understand animals. Students will learn about the importance of animals in today's society and how they function. The course studies anatomy, physiology, genetics (cloning), reproduction, digestion, nutrition, lactation, and veterinary science. This is an excellent introduction for those students thinking of becoming veterinarians. This is heavily lab and activity based. Students will complete an SAE Project to explore and earn skills in a career/area of their choice. Units of Study include: Reproduction-physiology, mechanics; Feeds; Digestion; Animal Uses & Roles; Vet Science; Anatomy; Genetics; Nutrition; Physiology.

FOOD SCIENCE (AGR2042)

0.5 credits, S2

10-12

Prerequisite | Biology

Description: Students will explore student interest in the production, processing, marketing, and behavior of food substances. Students will use the scientific method to explore the chemical makeup of food and the biology of how foods interact with each other. Alongside student SAE Projects, students will work heavily in the lab and with speakers/experiments to understand food. Units of study may include: food additives, food processing & preservation, fermentation, dairy products, meat products, grains & plant products and food safety/grading.

INTRO TO AGRICULTURE (AGR1022)

0.5 credits, S2

9-10

Description: This course explores the remaining opportunities in the Agriculture Department. Students will actively investigate the different areas through projects, labs, hands-on activities and field trips. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Small/Large Animal Science – pets, horses, dairy, livestock, judging, hatching chicks; Leadership – Leadership Analysis – Techniques; Plant Science – identification, basic care; Food Science/Biotechnology meats, cheese and yogurt-making, product identification.

LANDSCAPING DESIGN (AGR2052)

0.5 credits, S2 (ALTERNATING YEARS)

10-12

Description: Through lab-based experiences, students will create landscape designs on both paper and computer models. Students will also implement projects for home, community, or school improvement. Field trips to area landscapers and sites for analysis will be included. Outdoor projects are a major portion of the course. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Careers, Design Principles and Elements, Cost Estimation, Intro to Landscape Design, Landscape Structures, Landscape Establishment and Maintenance, Site Analysis, and Landscape Layouts.

LIVESTOCK & EQUINE MGMT (AGR2062)

0.5 credits, S2 (ALTERNATING YEARS)

10-12

Prerequisite | Animal Science

Description: Through hands-on labs and activities, the students will practice and develop animal care techniques used with large animals. Students will learn how to properly manage animals for their production and profit. This course is heavily lab and activity based with field trips included. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Management and judging of beef, dairy, fish, poultry, sheep, and swine.



Agriculture Education

NATURAL RESOURCES I (AGR1011)

0.5 credits, S1

9-10

Description: This course will offer students the opportunity to explore natural resources through hands-on labs and activities. Career opportunities are investigated throughout the different units. This course is heavily based on lab activities and exercises, and involves extensive outdoor experiences. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Forestry, Water Quality, Soils, Wildlife, White-Tailed Deer, Natural Resource Management, Decision Making, and Careers.

NATURAL RESOURCES II (AGR2011)

0.5 credits, S1

10-12

Prerequisite | Natural Resources I or Ecology

Description: Through field trips, projects, and hands-on experiences, students will learn about Wisconsin's resources of wildlife, water, soil and outdoor recreation. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Wildlife and ecosystems, furbearers, tanning hides, trapping, waterfowl, fish, taxidermy, water quality, soils, soil erosion and control, outdoor recreation, and alternative energy.

PLANT SCIENCE (AGR1071)

0.5 credits, S1 (ALTERNATING YEARS)

9-12

Description: This course focuses on hands-on learning about plants through the use and management of the Greenhouse, Outdoor Education Center and the "Garden of Dreams" (School and Community Garden). As a class, students will maintain and improve the plant life of the Outdoor Education Center to learn the principles of plant science and landscaping. This course is heavily lab-based and much of the first half of the semester will be spent outside. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Careers, Landscaping, Floriculture (flowers, bouquets, and boutonnieres), Propagation, Greenhouse Management, Plant Identification, Pruning, Plant Nutrients/Fertilizer, Gardening, Plant Management (lawn, tree, shrub, vegetable, and houseplants).

SMALL ANIMAL & PET CARE (AGR1082)

0.5 credits, S2

9-10

Description: Through projects, labs, and field trips, students will learn how to properly care for pets and recreational animals. Students will explore feeding, breeding, training and detection and control of disease and parasites. This course involves many hands-on activities with small animals and the care of project animals for the semester. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Dogs, cats, rodents, fish, reptiles, exotics, cost of pets, choosing a pet, and nutrition and digestion.

VETERINARY SCIENCE (AGR2092)

0.5 credits, S2, Equivalency Science Credit (ES)

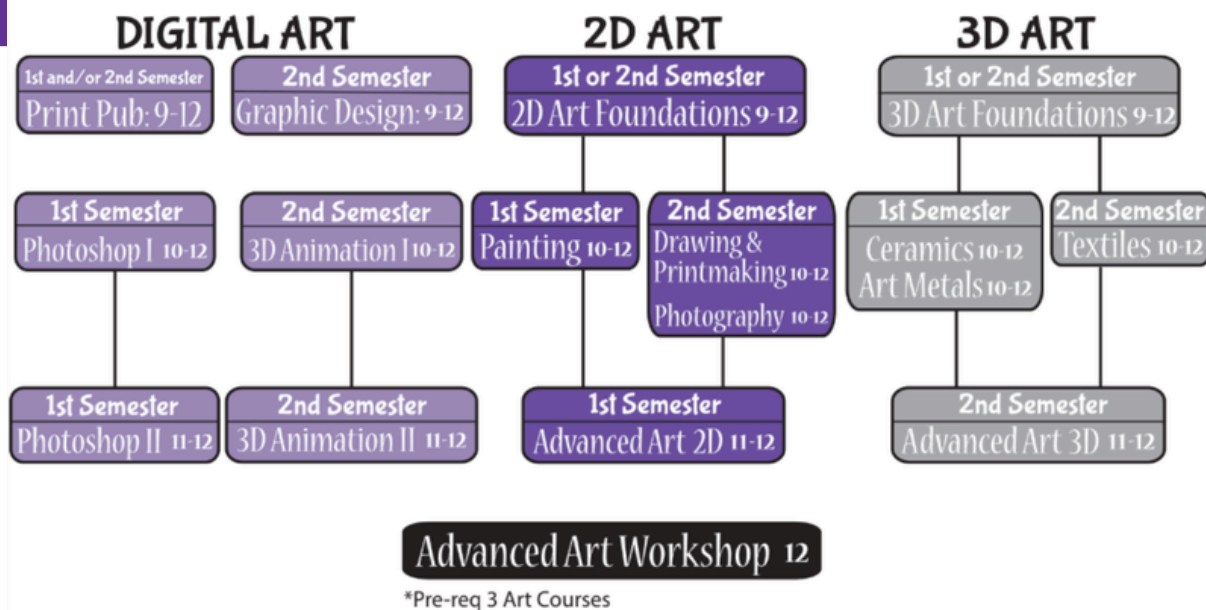
10-12

Prerequisite | Animal Science

Description: Science credit is awarded for successful completion of this course as it is recognized as a science equivalency by the Wisconsin Department of Public Instruction as a third science credit. Please note that a maximum of 1.0 science credit may be earned from all (ES) courses completed. Students will actively gain skills and knowledge related to animal health and veterinary medicine through animals' labs, demonstrations, and partnerships with local veterinary clinics and veterinarians. Hands-on labs will be major portions of the course. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Careers, Vet Medical Testing, Anatomy, Animal Handling & Restraint, Disease, Administering Drugs, Hospital Procedures, Medical Instruments, Animal Therapy, Vet Math, Sanitation and Safety, and Medical Terminology.



Art Education



2D ART FOUNDATIONS (ART1011/1021)

0.5 credits, S1 or S2, \$10 Student Fee

9-12

Description: (Formerly Elements of Art 2D) Beginning level two-dimensional course which provides experiences in a variety of materials and techniques including drawing, painting, collage, printmaking, and photography. Covers a broad range of art topics, techniques, materials, genres, and concepts, including the elements and principles of design. In-class projects and out-of-class sketchbook assignments are required. No previous art experience necessary. This class is the prerequisite for the upper level 2D classes (Drawing & Printmaking, Photography, Painting).

3D ART FOUNDATIONS (ART1021/1022)

0.5 credits, S1 or S2, \$10 Student Fee

9-12

Description: (Formerly Elements of Art 3D) Beginning level three-dimensional course which provides experiences in a variety of materials and techniques including ceramics, paper mache, metal smithing (jewelry making), found-object assemblage, and more. Covers a broad range of art topics, techniques, materials, genres, and concepts, including the elements and principles of design. In-class projects and out-of-class sketchbook assignments are required. No previous art experience necessary. This class is the prerequisite for the upper level 3D classes (Ceramics, Art Metals, Textiles).

3D COMPUTER ANIMATION I (ART2042)

0.5 credits, S2

10-12

Description: AutoDesk's Maya is a comprehensive 3D Animation Software. In this course students will use Maya to learn modeling, simulation, rendering. This course offers high-end character and effects toolsets along with increased productivity for modeling, texturing, and shader creation tasks. Units of Study include: how to build complex objects which interact with other objects in the scene. How to properly light the scene, apply surfaces to the various objects and show the physical effects when these objects influence each other. How to form objects and apply the forces of friction and gravity to model various short animations around 30 seconds in length. Create three or four short projects centered on some specific function, force or process.

3D COMPUTER ANIMATION II (ART3042)

0.5 credits, S2

11-12

Description: The second semester will focus on the special effects systems available under AutoDesk's Maya for the creation of complex and detailed world spaces and developing the necessary understanding of lighting, timing and movement for successful animation. We will also try our hand at full scale character creation going from idea to sketch to digital rough to finished player. As time allows we will also move on into the rather more challenging field of character animation of integration into a designed environment. Second semester students will be encouraged/expected to process the entire scope of animation as their semester project. From shoreline to edits to story boards to character sketches to layout, to world mapping to character insertion and system interaction.

Art Education

ADVANCED 2D ART (ART3101)	0.5 credits, S1, \$10 Student Fee	11-12
Prerequisite Drawing & Printmaking or Painting or Photography		
Description: An overview of 2D Art with emphasis on the Design Principles. Art Elements are more advanced as we work with varied materials. Units of Study include: Design principles, silk screen printing, sketchbooks, watercolor, drawing, and acrylic.		
ADVANCED 3D ART (ART3102)	0.5 credits, S2, \$10 Student Fee	11-12
Prerequisite Art Metals or Ceramics or Textiles		
Description: An overview of 3D Art with emphasis on the Design Principles. Art Elements are more advanced as we work with varied materials in 3D. Units of Study include: Art Metals, Sketchbooks, Sculpture, Ceramics, Copper relief, Tie-dye (textiles), and 3D Painting.		
ADVANCED ART WORKSHOP (ART4012)	0.5 credits, S2, \$10 Student Fee	12
Prerequisites Three previous art courses		
Description: Independent course where students focus on their art strengths, explore new mediums and work on original ideas, and work to complete a required number of projects including a Career Unit. This class organizes the Senior Art Show. Sketchbooks required.		
ART METALS (ART2061)	0.5 credits, S1, \$10 Student Fee	10-12
Prerequisite 2D Art Foundations		
Description: An in-depth study of metal working techniques, materials, metal types, stone setting and metal design. Units of Study include: Appliqué, piercing, combination materials, and basic stone setting; Metal types, brass, nickel, silver, and copper; Surface treatments, chasing, copper enamel, and granulation; Field trip to Burnie's Rock Shop; Casting; Independent Work; and Written Semester Exam. Notebook/Sketchbook required.		
BIG IDEA (TEE1041/1042)	0.5 credits, S1 or S2, \$25 Student Fee	10-12
Prerequisite IDEA		
Description: See full course description under Tech Ed & Engineering.		
CERAMICS (ART2071)	0.5 credits, S1, \$10 Student Fee	10-12
Prerequisite 3D Art Foundations		
Description: An in-depth study of hand-building and wheel techniques. Sculpture, glazing and decorative techniques learning how to create both functional and decorative ceramic pieces. Units of Study include: Wheel pottery, hand-built pottery, slab, coil, trimming a wheel port, plaster molds, wheel altered.		
DRAWING & PRINTMAKING (ART2092)	0.5 credits, S2, \$10 Student Fee	10-12
Prerequisite 2D Art Foundations		
Description: This course is an in-depth study of printmaking techniques and history. Relief cut prints using linoleum and wood, intaglio printing using Plexiglas and screen printing. Students will print on a variety of materials including paper and cloth (can print on t-shirts and other apparel options). Students will learn how to layer multiple colors and carving stages to create more intricate final projects.		

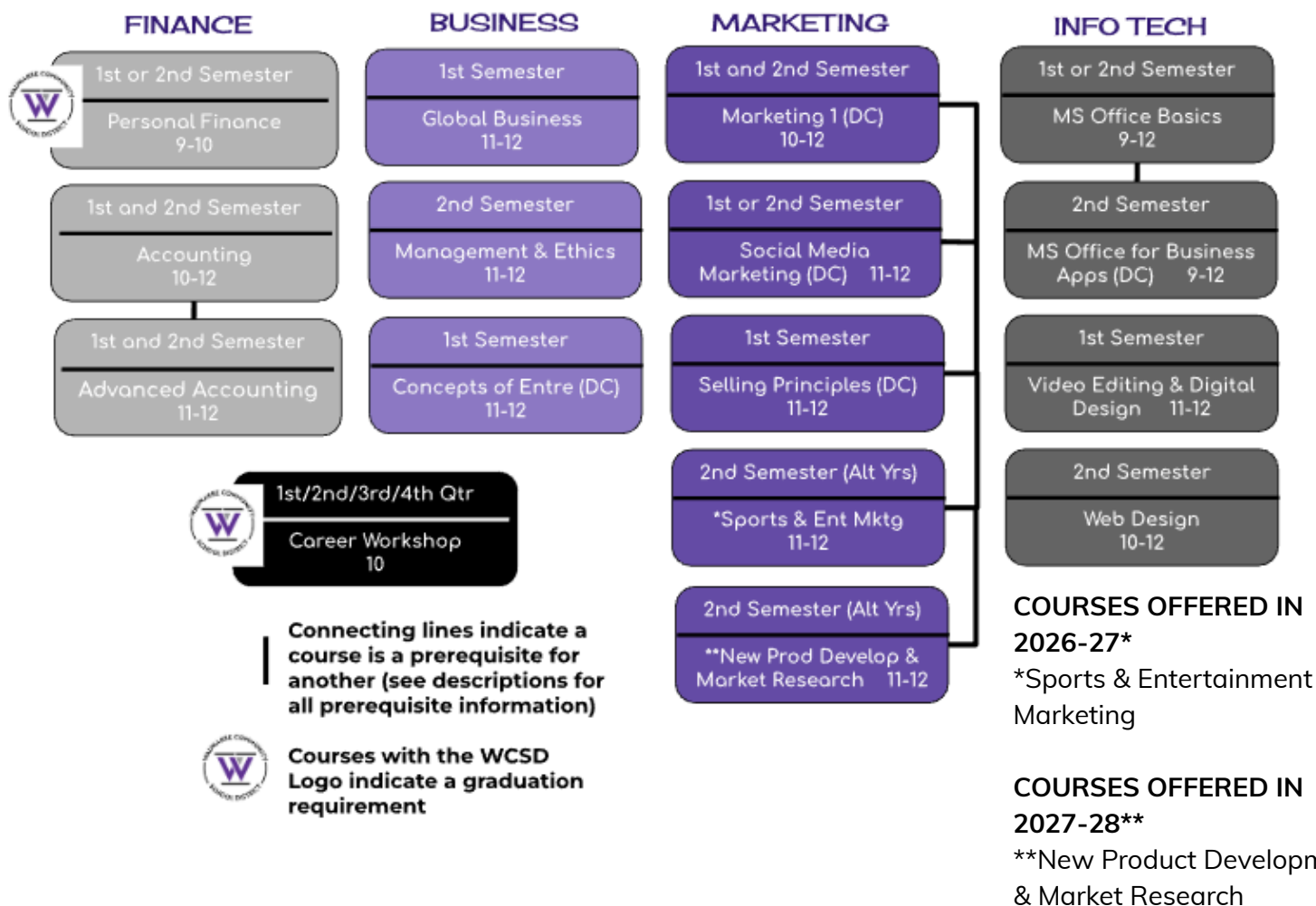


Art Education

GRAPHIC DESIGN (ART1032)	0.5 credits, S2	9-12
Description: Basic design skills using Adobe with an emphasis on Illustration. Lessons will be based on concept development using the elements and principles of art. Text and gradients, shapes, color, drawing and composing, transforming and distorting objects, working with layers, patterns and brushes. The graphic design curriculum provides knowledge and skills necessary for employment in the Visual Arts Communication field. Units of Study include: Principles of design, vector art, creating text and gradients, drawing and composing, clipping masks, image trace, patterns and brushes.		
IDEA (TEE1041/1042)	0.5 credits, S1 or S2, \$25 Student Fee	9-12
Description: See full course description under Tech Ed & Engineering.		
PAINTING (ART2081)	0.5 credits, S1, \$10 Student Fee	10-12
Prerequisite 2D Art Foundations		
Description: An in-depth study of drawing and painting techniques, materials, styles, and historical overview. Portfolio continuation/structure, sketches and journals. Units of Study include: realistic and abstract assignments, colored pencil, drawing pencil, ink, charcoal, acrylic and watercolor paints. Sketchbook required.		
PHOTOGRAPHY (ART2102)	0.5 credits, S2, \$10 Student Fee	10-12
Prerequisite 2D Art Foundations or Graphic Design or Photoshop or Print Publications		
Description: This Photography course will continue black and white photography as an Art media. This course will review the basics of using a 35mm camera as well as to teach the basics of a digital camera. The student will become familiar with the technical aspects of both and yet the emphasis will remain with photography as an art form. The student will realize its potential as a possible career. Photoshop is the main software used.		
PHOTOSHOP I (ART2031)	0.5 credits, S1	10-12
Description: Over the course of the semester, students will learn how to make corrections to photographs and create their own images, designs or drawings. In Photoshop I, the students will learn the purpose of Photoshop, the tools and work area, basic photo correction skills, changing an image resolution and size, filters and how they manipulate a picture, how to work with layers and organize their artwork, how to select specific areas of an image and change them, how to correct and enhance digital photographs, blend them and create a mask to refine images.		
PHOTOSHOP II (ART3031)	0.5 credits, S1	11-12
Prerequisite Photoshop I		
Description: Over the course of the semester, Students will learn the basics of portrait photography and how to post-process the shot to minimize flaws without altering the photo, and learn how to use a variety of tools to enhance or stylize the portrait as needed. They will also learn how to use the filters, adjustment layers and a variety of additional tools to change the image into something which is either more or less than a traditional photograph and to fix errors in lighting, depth of field, focus and color correction. Lastly, students will explore the newer 3D platform and the new ability to take Photoshop into the world of motion photography, in other words – video.		
PRINT PUBLICATIONS (TEE1101/1102)	0.5 credits, S1 and/or S2	9-12
Description: See full course description under Tech Ed & Engineering.		
TEXTILES (ART2052)	0.5 credits, S2, \$10 Student Fee	10-12
Prerequisite 3D Art Foundations		
Description: An in-depth study of techniques, materials and tools associated with fabrics and fibers. Units of Study include: Tie Dye, Marbling, Batik, Book Binding, Beading, Quilting, Felting, Macramé, and Field Trips.		



Business & Information Technology and Marketing



ACCOUNTING (DC) (BUS2011-2012)

1.0 credits, S1 and S2

10-12

Description: This course is designed to introduce high school students to the field of accounting. Student will work through the financial accounting cycle and payroll for a sole proprietorship. Career opportunities will be explored to see what the future holds for the accounting profession. This class provides a combination of manual accounting systems and computerized activities using Microsoft Excel. Accounting is a dual-credit option with Madison College.

ADVANCED ACCOUNTING (BUS3011-3012)

1.0 credits, S1 and S2

11-12

Prerequisite | Accounting I

Description: Every business degree will require at least one accounting course, and college-level accounting can be very challenging for those who didn't take it in high school. This one-year advanced course is for students interested in acquiring a more in-depth knowledge of accounting and to help better prepare students for the world of work or college-level business courses.

CAREER WORKSHOP (BUS2041/51/62/72)

0.25 credits, Q1/Q2/Q3/Q4

10

Description: Career Workshop is a course that will help students identify and refine the interpersonal skills and values that lead to success in the world of work. In this required class, students will create a resume and cover letter. They will fill out a job application and complete a mock interview. Students will explore career clusters and career options to start the development of an academic and career plan. Career Workshop is required for graduation, and this quarter long course is paired with Health & Wellness in a semester for all sophomores.

Business & Information Technology and Marketing

CONC OF ENTREPRENEURSHIP (DC) (BUS3031) 0.5 credits, S1

11-12

Description: This project-based course introduces students to the foundations of entrepreneurship while offering the opportunity to earn college credit through the University of Iowa. Designed for creative thinkers, problem solvers, and future leaders, this class immerses students in the entrepreneurial process. Topics include the business model canvas, marketing, financial modeling, design thinking, and the entrepreneurial mindset. Through hands-on projects and activities, students learn how to identify opportunities, design solutions, and pitch a viable business concept. Whether students dream of starting a business, pursuing a business major, or simply want to build creative confidence and workplace-ready skills, this course is the best place to start exploring opportunities!

GLOBAL BUSINESS (BUS3051)

0.5 credits, S1

11-12

Description: We live in an ever-expanding global marketplace, and many Waunakee students will eventually have careers in that marketplace. This course will provide students with an understanding of how and why businesses choose to expand their operations into other countries. Students will be exposed to the unique challenges facing corporations doing business internationally and to the potential opportunities and markets that are lost to corporations that choose not to do business in the global marketplace. Project based learning, global business simulations, professional presentations, and complex case studies will be incorporated into the curriculum.

MANAGEMENT & ETHICS (BUS3042)

0.5 credits, S2

11-12

Description: Interested in a career in business or management? This course is designed to prepare students for a post-secondary education in business or a career in any type of management field. Management and Ethics focuses on Project Based Learning, Professional Presentations, and Complex Case Studies. Topics included in this course include the fundamentals of management, historical theories and theorists, global business, professional etiquette and ethics. Students will be collaborative learners by using Schoology and other online learning tools to learn about the changing world of business leadership and management. Curriculum in this course helps prepare students for successful completion of the Principles of Management CLEP exam offered at many colleges and universities to earn college credits.

MARKETING 1 (DC) (BUS2021-2022)

1.0 credit, S1 and S2

10-12

Description: This foundational course introduces students to the marketing process and how it operates in today's dynamic organizations. The focus is on value-based marketing and the marketing mix (product, price, place, and promotion) on a broad scale. Content discussed includes: customer service, ethics, market segmentation, target marketing strategies, positioning, consumer behavior, product development, and branding. This foundational course provides a comprehensive overview of the exciting world of marketing. A requirement of the course is lab-based learning which includes working at the school store (Warrior Corner). Junior and senior students enrolled in Marketing 1 will also be eligible to enroll concurrently in the Marketing Youth Apprenticeship. Students are strongly encouraged to participate in DECA, the co-curricular organization. Marketing 1 offers dual-credit options with Madison College (September online registration).

MS OFFICE BASICS (BUS1031/1032)

0.5 credits, S1 or S2

9-12

Description: MS Office Basics emphasizes professional, business document formatting that will prepare the student for using the Office Suite in high school, college and at work. The focus of this course is to build and format documents using programs like Word and PowerPoint. This course combined with MS Office Advanced provides the opportunity for students to earn one dual credit with Madison College. Units of Study include: Memos, Emails, Letters, Reports, Tables, Electronic Presentations, Proofreading & Editing, Numbers & Symbols as well as reinforcing keyboarding skills.



Business & Information Technology and Marketing

MS OFFICE FOR BUSINESS APPS (DC) (BUS1052)

0.5 credits, S2

9-12

Prerequisite | MS Office Basics

Description: The focus of Microsoft Office for Business Applications is to challenge students through the mastery of Microsoft Office Suite Applications including: MS Word, MS PowerPoint, MS Excel and MS Outlook. Students will learn problem solving and other advanced administrative skills through hands-on projects and the use of a Microsoft textbook that encourages and develops independent thinking, technical reading skills and strong time management. This course follows the same structure as the 3 credit Madison College Microsoft Office for Business Applications course. At the completion of this course, students have the opportunity to leave with college credit through Madison College and three Microsoft Office certifications in Word, PowerPoint and Excel.

NEW PRODUCT DEV & MKT RESEARCH (BUS3142)

0.5 credits, S2 (ALTERNATING YEARS)

11-12

Prerequisite | Marketing 1

Description: Have you ever thought about how a new product makes it to the marketplace or wondered why companies spend so much time and money collecting data about their customers, competitors, and marketplace trends? Discover what market research is and the process of collecting, analyzing, and interpreting information to help a business make informed decisions about its products, services, and strategies to better serve customers. Content discussed includes research process steps, primary vs. secondary data collection techniques, big data, marketing analytics, pricing, and ethics. Students enrolled in this course will also be eligible to enroll concurrently in the Marketing Youth Apprenticeship. Students are also strongly encouraged to participate in DECA, the co-curricular organization.

PERSONAL FINANCE (BUS1011/1012)

0.5 credits, S1 or S2

9-10

Description: (Formerly Dollars & Sense) Everyone needs to know basic personal finance skills such as checkbook management, electronic banking and fundamentals of insurance. Students will learn about the wise use of credit and gain insight into different forms of investing and saving. Students will also learn about the Federal Reserve System and services offered by banking institutions. Students will become aware of their financial responsibilities as a consumer and understand how to make wise financial decisions to positively impact their futures. Personal Finance will provide a basic foundation of finance topics. This is a required course for graduation beginning with the Class of 2028.

SELLING PRINCIPLES (DC) (BUS3131)

0.5 credits, S1

11-12

Prerequisite | Marketing 1

Description: Introductory course designed to familiarize students with the basic principles, concepts, and theories of business and consumer selling. Special emphasis is given to developing the selling process, which includes prospecting and qualifying, planning and pre-approaching, approaching the customer, the sales presentation/demonstration, handling objections, closing the sale, and post-sale service/follow-up. This course will also provide the learner with an opportunity to explore careers, opportunities, and the benefits of personal selling. Specific emphasis on relationship strategies, legal and ethical considerations, and cultural differences necessary to improve trust. Students enrolled in this course will also be eligible to enroll concurrently in the Marketing Youth Apprenticeship. Students are also strongly encouraged to participate in DECA, the co-curricular organization. Selling Principles offers dual-credit options with Madison College (September online registration).



Business & Information Technology and Marketing

SOCIAL MEDIA MARKETING (DC) (BUS3121/3122) 0.5 credits, S1 or S2 11-12

Prerequisite | Marketing 1

Description: This course provides an overview of the impact of social media technologies on marketing strategies. Current social media tools/platforms and their business applications, strategy insights, creative development, and ethics will be covered, along with the development of a social media marketing plan. Students will also evaluate marketing strategies from a global perspective. Specific emphasis on the benefits of social media marketing, creating a social media campaign, influencer marketing, and measurement tools (ROI, impressions, reach, and conversion rate). Students enrolled in this course will also be eligible to enroll concurrently in the Marketing Youth Apprenticeship. Students are also strongly encouraged to participate in DECA, the co-curricular organization. Social Media Marketing offers dual-credit options with Madison College (September/January online registration).

SPORTS & ENTERTAINMENT MARKETING (BUS3112) 0.5 credits, S2 (ALTERNATING YEARS) 11-12

Prerequisite | Marketing 1

Description: Turn on the television and you're likely to see a sporting event, an athlete trying to sell a product or brand, or the Grammy Awards. Sports & entertainment marketing is a multibillion-dollar industry. The sports industry has brought together sports and corporate America to create a dynamic partnership. Units of study include: evolution of sports marketing, marketing environment, sports entertainment consumption, segmenting audiences for sports, experiential marketing, sponsorship-linked marketing & preparing future sports marketers. This course specializes in one career area of marketing. Virtual Business Simulation through Knowledge Matters will be used.

VIDEO EDITING & DIGITAL DESIGN (BUS3091) 0.5 credits, S1 11-12

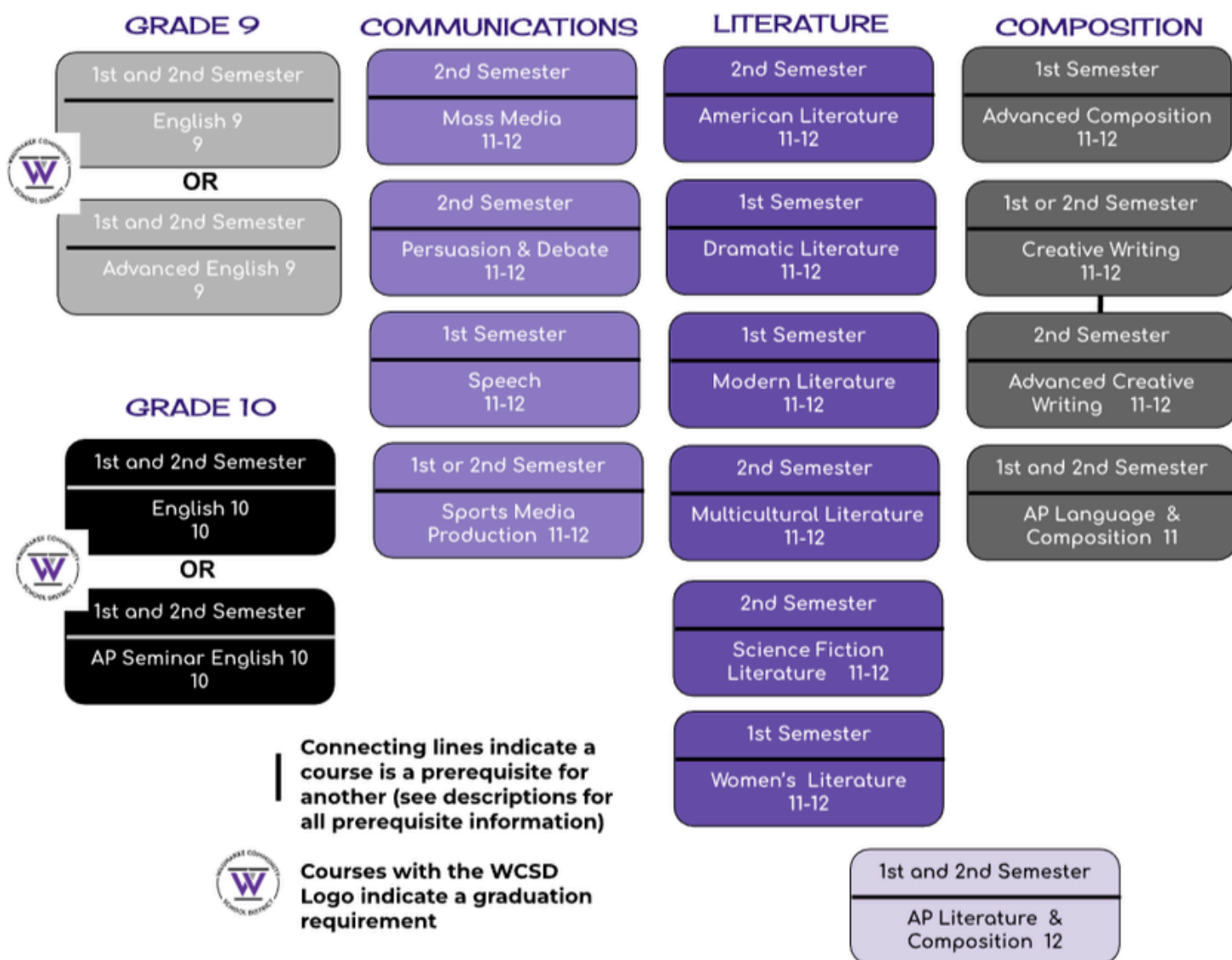
Description: Basic video editing for multimedia, video, and web capabilities are introduced in this course. Emphasis is placed on digital editing techniques, effects, audio, graphics, and titling. Techniques of video production including lighting, sound, videography, and post-production editing using Adobe Premiere Pro software and WeVideo are covered. Students explore career possibilities in this field and function as producers, directors, talent, and crew for multiple projects. This is a great class to prepare you for publishing video projects throughout high school. Students will be given the opportunity to receive certification in Adobe Premiere Pro at the end of the semester, by taking the certification test.

WEB DESIGN (BUS2092) 0.5 credits, S2 10-12

Description: Web Design begins with an introduction to the basics of coding using HTML (hypertext markup language). This foundation provides students with the basic understanding of how web pages are created. It will enable students to solve coding issues when using Dreamweaver and styles. Multiple web pages are developed throughout this project-based learning environment.



Communication Arts



ADVANCED COMPOSITION (ENG3121) 0.5 credits, S1 11-12

Description: Advanced Composition is designed to improve all students' writing skills. Students should expect to write various types of essays and to revise and rewrite frequently and thoroughly. Types of writing include reflective, descriptive, extended definition, and autoethnography. Language skills taught include precise word choice, fluency, parallel structure, development of voice, use of sensory details, and figurative language. Points of emphasis include the writing process, revision strategies, organizational strategies, portfolio reflection, peer revision, and writing conferences.

ADVANCED CREATIVE WRITING (ENG3112) 0.5 credits, S2 11-12

Prerequisite | Creative Writing

Description: Advanced Creative Writing will offer a forum for students to explore writing skills introduced in Creative Writing. Students will create a portfolio of writing that explores science fiction, historical fiction, literary fiction, and humor/satire. Focus will be on the writing process, revision skills, and literary techniques to improve writing. Much of the class is based on workshop-style instruction. Units of Study include: Science Fiction, Historical Fiction, Literary Fiction, Suspense or Fantasy Fiction, and Humor/Satire.

Communication Arts

ADVANCED ENGLISH 9 (ENG1021-1022) 1.0 credit, S1 and S2 9

Description: Advanced English 9 is designed to provide students who have a passion for literature and language with a solid foundation of analytical and communication skills. Students will develop their ability to read and analyze classical literature in order to determine the thematic purpose of the text. They will then develop and draw their own critical reactions regarding this literature. In addition, this class will improve students' abilities to conduct research and represent their thoughts in writing and speech. It also focuses on vocabulary development and the use of standard grammar conventions. Major texts for the course include: *The Crucible* by Arthur Miller, *Uncle Tom's Cabin* by Harriet Beecher Stowe, *A Tale of Two Cities* by Charles Dickens, and *To Kill a Mockingbird* by Harper Lee. Students taking Advanced English 9 are expected to maintain a more rigorous reading and writing schedule than students in English 9. They should also be prepared to actively participate in class discussion.

AP ENGLISH LANG & COMP (ENG3051-3052) 1.0 credit, S1 and S2 11

Description: AP English Language and Composition is offered to juniors (and seniors with consent of instructor) who have completed English 10 or Advanced English 10 or AP Seminar English 10. This college-level class asks students to make and analyze arguments related to a number of contemporary and historical issues, focusing on the ways authors make compositional choices related to purpose and audience. Students must demonstrate their abilities to read non-fiction texts analytically through annotation, written responses to prompts, and small and large-group discussions. Students will read a minimum of two non-fiction books, two literary novels, and numerous essays and speeches. Student essays will incorporate argument, synthesis, and rhetorical analysis. Students will also complete projects, including a podcast. Since this is a college-level class, students should possess a strong work ethic, and interest in developing critical thinking, reading, writing, and speaking skills. Link: [College Board Information](#)

AP ENGLISH LIT & COMP (ENG4021-4022) 1.0 credit, S1 and S2 12

Description: AP Literature and Composition is designed for those students who have an aptitude for and a special interest in reading, discussing, and writing about challenging literature. The class curriculum emphasizes works of recognized literary merit, worthy of study because of their richness of thought and language. We will be reading and analyzing novels, plays, short prose, and poetry from various countries, literary periods, and perspectives. Students will be reading two independent novels or plays of literary merit over the course of the year. At the conclusion of the course, students may choose to take an advanced placement exam to earn college credit. Since this is a college-level class, students should possess a strong work ethic, willingness to read, and interest in developing critical thinking, reading, writing, and speaking skills. Link: [College Board Information](#)

AP SEMINAR ENGLISH 10 (ENG2031-2032) 1.0 credit, S1 and S2 10

Description: AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Essays submitted externally to the College Board are not eligible for revisions or individualized feedback. These essays, group work, and graded presentations contribute to the final AP score in the course. This course provides English credit at the high school; passing the AP exam typically earns elective credit(s) at the collegiate level. **All enrolled students are required to complete the AP performance tasks and final exam (Student fee will be included in IC).**

This course replaces Advanced English 10. Link: [College Board Information](#)



Communication Arts

AMERICAN LITERATURE (ENG3022)

0.5 credits, S2

11-12

Description: This course is meant to explore the history, culture, and values of America as portrayed by literature. To accomplish this, students will read collections of short stories, novels, and poetry from various historic and literary time periods and discuss how these works reflect our society. Emphasis will be placed on the literary movements and themes common in each work. Students taking this class should expect to display their knowledge through daily discussion, projects, journals, and analytical essay writing. Areas of Study: Puritanism, Romanticism, Realism Transcendentalism, Modernism and Post-Modernism.

CREATIVE WRITING (ENG3101/3102)

0.5 credits, S1 or S2

11-12

Description: Advanced Composition is strongly encouraged before enrollment in Creative Writing. Students will learn how to write poetry, stories, and other forms within a writing workshop environment that emphasizes student growth and reflection, peer review, and student-teacher conferences. Sophomores may enroll with consent of Instructor.

DRAMATIC LITERATURE (ENG3061)

0.5 credits, S1

11-12

Description: Students will grow in their knowledge and understanding of theatre. Emphasis will be placed on analyzing the plays and characters of many different time periods in an effort to understand the art form and its place in society and history. Students will learn about all aspects of the theatre and its literature. Students will be expected to complete in depth studies of plays and characters through oral and written work. Units of Study include: 20th Century Theatre, Greek and Roman Theatre, Terminology, Medieval Theatre, 9th Century Theatre, Asian Theatre Introductory, Italian and Spanish Theatre, and Elizabethan Theatre.

ENGLISH 9 (ENG1011-1012)

1.0 credit, S1 and S2

9

Description: English 9 is designed to provide students with a solid foundation of analytical and communication skills. To improve students' abilities to communicate, critical reading, writing, thinking, and discussion skills are stressed. Other integral parts of the course include developing vocabulary, grammar, and research skills. Writing Skills: The writing process will be incorporated throughout the year. Writings include a research paper and literary analysis essays. Language: Language skills will be reviewed throughout the year. Emphasis will be on understanding and applying grammatical usage rules in their writing. Literature: Students will analyze literary devices and themes in a variety of short stories. The Odyssey, Twelfth Night, and a dystopian unit featuring reading a choice of a dystopian novel.

ENGLISH 10 (ENG2011-2012)

1.0 credit, S1 and S2

10

Description: English 10 builds on the foundation established in English 9. In addition to a review of grammar & usage, students will study effective argument and narrative writing, rhetorical analysis, vocabulary, and literature. More specifically, students will: (1) learn to integrate evidence into arguments, write strong claims, culminating in a research project; (2) utilize narrative techniques like imagery, dialogue, and pacing to tell effective stories; (3) prepare for and participate in a variety of collaborative conversations about real-world issues and literature; (4) learn to combine independent clauses and utilize other fluency-enhancing grammar strategies effectively; and (5) read and discuss a variety of texts such as dramas, poems, fiction, and a variety of non-fiction sources about real-world issues.



Communication Arts

MASS MEDIA (ENG3222)

0.5 credits, S2

11-12

Description: Students will examine mass communications such as television, film, popular music, radio, advertising, and social media. Emphasis will be placed on standards of quality of these forms and how they influence attitudes and values. Students will be required to do several media-related projects, which will demonstrate their understanding of how different media work and how they affect the audience and society's values. This course will lead to improved critical thinking as a consumer for each medium. Units of Study include: Communication Process; Advertising- Marketing & the Influence of Social Media, The Aural Media (radio & music), and The Visual Media (television and film) with emphasis.

MODERN LITERATURE (ENG3011)

0.5 credits, S1

11-12

Description: Modern Literature students develop their ability to analyze contemporary texts through a range of lenses. Students will express their ideas through writing, discussion, presentation, and reflection. All texts have been published within the lifetime of the student and include Station Eleven by Emily St. John Mandel and three books chosen by students from a teacher-curated list. Literary lenses: Psychological, Gender, Marxist, Archetypal, Deconstruction, and Historical. Average reading assignment is about 45 pages between classes.

MULTICULTURAL LITERATURE (ENG3072)

0.5 credits, S2

11-12

Description: This course focuses on world literature by and about people of diverse ethnic backgrounds, specifically those who have been underrepresented in traditional curriculum. Students will explore themes of linguistic and cultural diversity by comparing, contrasting, analyzing, and critiquing writing styles and universal themes. Students will observe, listen critically, and respond to written and oral communication. A critical aspect of this course is that the material and units not only broaden students' understanding of a variety of cultures, but that it focuses on both the struggle and the successes of these underrepresented groups. The focus will be to create awareness and understanding of both triumphs and tribulations.

PERSUASION & DEBATE (ENG3212)

0.5 credits, S2

11-12

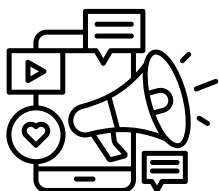
Description: Speech is recommended, but not required. Persuasion & Debate is a class for students who wish to sharpen their communication skills. Students will be called on to research and write persuasive papers, deliver a persuasive speech, to participate in formal group discussions, to participate in formal debates, and to learn to practice parliamentary procedure. Students will also prepare written analysis of current and historic debates, discussions and speeches to come to a better understanding of how to use the written word and oral communication skills to become a better overall communicator. Units of Study include: Persuasion, Debate, Group Discussion, and Parliamentary Procedure.

SCIENCE FICTION LITERATURE (ENG3032)

0.5 credits, S2

11-12

Description: Writers of science fiction often use the mystery of "the future" to speculate on the course of humanity. They use technology, alien cultures, and far away landscapes to symbolize current events, and modern day problems. At the same time, they ask us to reflect on how we can change the present to make the best of our future. This class will study a variety of texts including short stories, novels, and films that explore how different science fiction authors question the challenges facing human society, our evolving sense of self-identity, and our ability to successfully relate to that which is "alien". Students will be expected to read regularly both assigned texts and a free choice novel. They are also expected to engage in classroom discussion, debate, analytical writing, and group presentations.



Communication Arts

SPEECH (ENG3201)

0.5 credits, S1

11-12

Description: Speech is a performance-oriented class in which students receive instruction in good speaking and listening skills, as well as the communication process and how to use communication skills in everyday life. Students give 6-8 major speeches in addition to several impromptu activities/speeches. Students will be expected to practice good listening skills as well as evaluate the speeches they hear. Units of Study include: Communication Process; Delivery Skills and Nonverbal Communication, Imaginative Communication; Effective Communication; Informative Communication. Types of Speeches: Introductory, Informative, Oral Interpretation, Demonstration, Impromptu, Entertainment, Eulogy/Recognition.

SPORTS MEDIA PRODUCTION (ENG3231/3232) 0.5 credits, S1 and/or S2

11-12

Description: (Formerly Digital Communications) This course gives students hands-on experience in the fast-moving world of sports media. Students create digital content such as promotional graphics, highlight videos, team visuals, and other branded media used in athletic programs and online platforms. Using tools like Photoshop, Premiere Pro, After Effects, Canva, and Daktronics, students learn techniques used by professional and collegiate organizations to produce eye-catching, high-energy content. The course emphasizes creative storytelling, motion design, and visual branding to engage fans and capture the excitement of sports. Students will also analyze professional organizations in the NFL, NBA, MLB, and NCAA while gaining insights from guest speakers in sports design, video production, and digital marketing. This course prepares students for future opportunities in sports, media, and digital content creation while showcasing their design, editing, and creative direction skills. Students may repeat this course once for a maximum of 1.0 English credits. *Note, certain universities may view this course as an elective credit. (Name changed from Digital Communications to Sports Media Production in 2026-2027)

WOMEN'S LITERATURE (ENG3041)

0.5 credits, S1

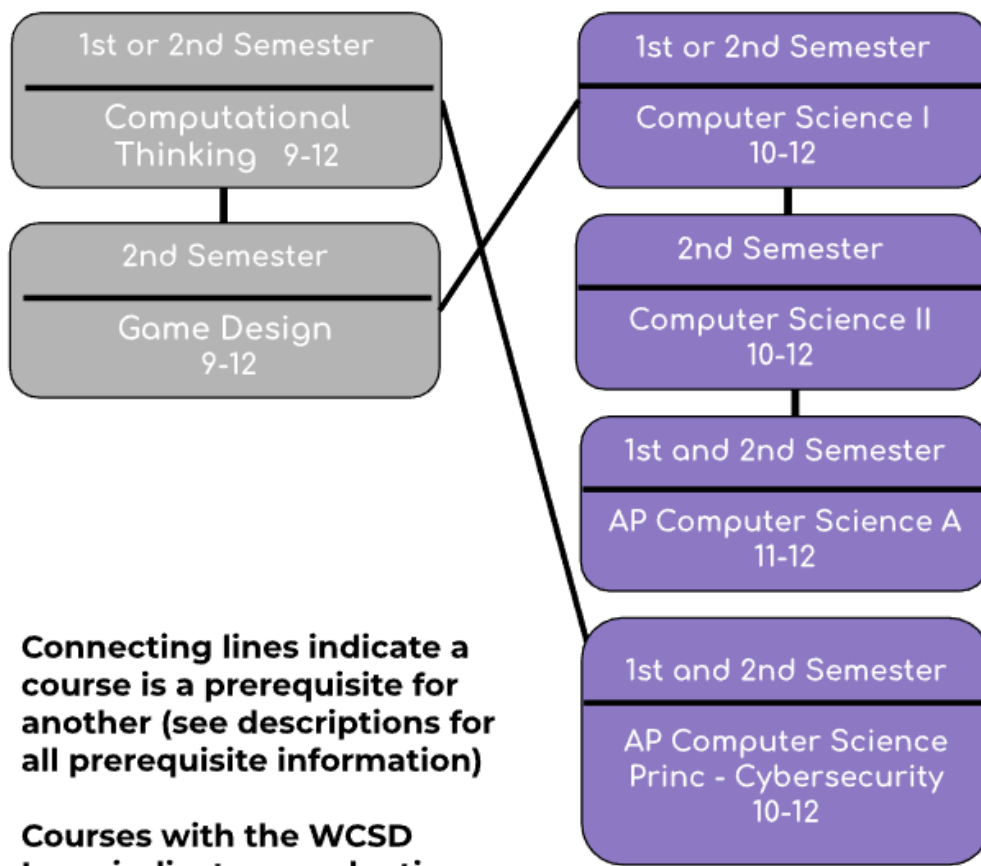
11-12

Description: In Women's Literature, students read contemporary texts that deal with themes and topics that are reflected in our current society. Over the course of the semester, students read three novels and examine contemporary American culture in order to answer this question: How can we use literature to convey our understanding and experience of what it means to be a woman - Here, Now, Universally? This course provides a thematic approach to reading works written by and about women, focusing on the following themes: "Gender Stereotypes", "Social and Cultural Transformation" and "Journey Toward Empowerment". It includes representative works from novels, poetry, nonfiction, and literary criticism. Through essays, discussions, presentations, projects and readings, students examine each piece of literature through a variety of literary themes. In doing so, they will connect more deeply with what they read and learn more about themselves and their world.



Computer Science

FOUNDATIONAL



Connecting lines indicate a course is a prerequisite for another (see descriptions for all prerequisite information)



Courses with the WCS D Logo indicate a graduation requirement

AP COMPUTER SCI A (CSC3011-3012) 1.0 credit, S1 and S2, Equivalency Math Credit (EM) 11-12
Prerequisite | Computer Science II

Description: Math credit is awarded for successful completion of this course as it is recognized as a math equivalency by the Wisconsin Department of Public Instruction as a third math credit. Please note that a maximum of 1.0 math credit may be earned from all (EM) courses completed. Students will be able to take the Computer Science A Exam in the spring. This course emphasizes object-oriented programming with a concentration on problem solving and algorithm development. It also includes the study of data structures, design, and abstraction. This course is meant to be the equivalent of a first-semester college level course in Computer Science and most colleges will be expected to grant advanced placement credit. Units of Study include: Program design, Object-oriented design, Implementation techniques, Programming constructs, Java library classes, Testing/Debugging, Data Structures, Standard Algorithms. Link: [College Board Information](#)

AP COMP SCI PRINC-CYBERSECURITY (CSC2041-2042) 1.0 credit, S1 and S2 10-12
Prerequisite | Computational Thinking

Description: This course introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. With a unique focus on Cybersecurity, students will learn to program using JavaScript to create applications and solve real-world problems. The course begins an introduction to algorithmic thinking before moving into text-based JavaScript, web design, and encryption. Major topics include the structure of the Internet, digital information and compression, data analysis, and the ethics of computing. Students will also complete the AP "Create" Performance Task, designing and building a program of their own choice. Link: [College Board Information](#)



Computer Science

COMPUTATIONAL THINKING (CSC1022) **0.5 credits, S1 or S2, Equivalency Math Credit (EM)** **9-12**

Description: This class studies games and game design, and allows students to create their own games. Students study game theory, problem-solving techniques, and best design practices. Topics also include games in the modern world, and the emerging trend toward games in social networking, marketing, economics, and system modeling. Units of Study include: Game design, games and society, game theory, systems analysis, emergent behavior, scripting, artificial intelligence, and logic.

COMPUTER SCIENCE I (CSC2011/2012) **0.5 credits, S1 or S2** **10-12**

Prerequisites | Game Design and Algebra I

Description: This course introduces students to the fundamentals of computer programming using the Java language. The course introduces concepts like control flow, looping, conditionals, and top-down design. Students will learn foundational Java, including writing and debugging programs that use variables, arithmetic expressions, user input, and conditional logic.

COMPUTER SCIENCE II (CSC2022) **0.5 credits, S2** **10-12**

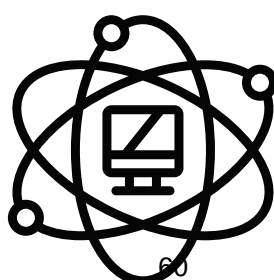
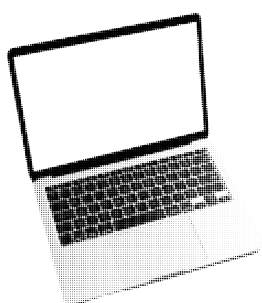
Prerequisite | Computer Science I

Description: This course is the sequel to Computer Science I and is focused on building sophisticated, real-world applications using object-oriented design. Students will first take a deep dive into classes and data manipulation. Students will learn to design and build their own classes, understand inheritance and polymorphism, and implement interfaces. Students will also master common data structures, including Arrays, ArrayLists, 2D arrays, and HashMaps. Supplemental topics such as recursion and sorting algorithms will also be introduced. The course culminates in a capstone final project where students will design and build a complex program from scratch.

GAME DESIGN (CSC1022) **0.5 credits, S2** **9-12**

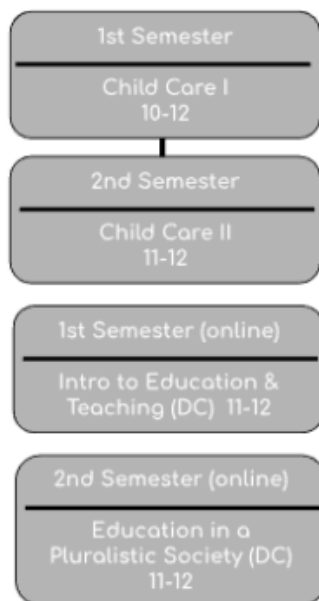
Prerequisites | Computational Thinking

Description: This class studies games and game design, and allows students to create their own games. Students study game theory, problem-solving techniques, and best design practices. Topics also include games in the modern world, and the emerging trend toward games in social networking, marketing, economics, and system modeling. Units of Study include: Game design, games and society, game theory, systems analysis, emergent behavior, scripting, artificial intelligence, and logic.

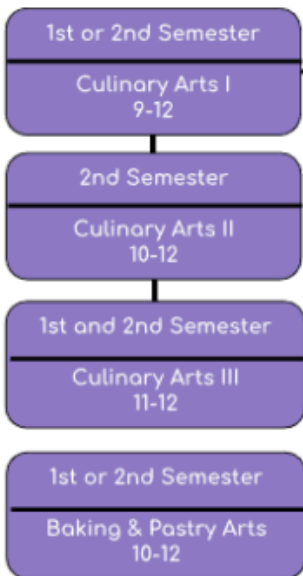


Family & Consumer Science

CHILD CARE/EDUCATION



CULINARY



HUMAN SERVICES



Connecting lines indicate a course is a prerequisite for another (see descriptions for all prerequisite information)



Courses with the WCSD Logo indicate a graduation requirement

BAKING & PASTRY ARTS (FCS2111/2112)

0.5 credits, S1 or S2, \$40 Student Fee

10-12

Prerequisites | Culinary Arts I

Description: Students with a strong interest in baking have the opportunity to explore the culinary field of baking and pastry-making in greater depth. This semester baking and pastry course will expand upon the baking unit featured in Culinary Arts I. Students would create more complex recipes as well as access their artistic abilities. The students will produce breads, specialty cookies, pastries, and decorated cakes in the culinary classroom. Whether students choose to pursue a culinary career or simply enjoy baking; this course gives students the opportunity to apply their knowledge and build their overall confidence in the kitchen.

CHILD CARE I (FCS2101)

0.5 credits, S1

10-12

Description: Students will study child development, parenting, and its responsibilities. Units of Study: Study of infants, toddlers, preschool and school-aged children, theories of child development, parenting skills and responsibilities, prenatal development, pregnancy, labor and birth. Students will have the opportunity to work with the baby simulators and participate in the student run preschool.

CHILD CARE II (FCS3102)

0.5 credits, S2

11-12

Prerequisites | Child Care I

Description: This course is designed for the student who is interested in pursuing a career in a licensed daycare center or the field of education. Students will be eligible to receive state certification as an Assistant Child Care Teacher (ACCT) and earn three credits toward advanced standing at Madison College. Units of Study include: history of child care, licensing rules & regulations, equipping a child care center, child care center environment, teaching techniques, sudden infant death syndrome (SIDS), shaken baby syndrome (SBS) training. Students will have the opportunity to observe and work with children at local child care centers.



Family & Consumer Science

CREATIVE FASHIONS (FCS3102)	0.5 credits, S2	11-12
Prerequisites Fashion & Fabrics		
Description: Emphasis is on creativeness in sewing, advanced sewing techniques, and clothing construction. Units of Study include: fashion design, career exploration, batik, tie-dyeing, upcycling clothing, use of the serger, embroidery machine, knitting, crocheting and more!		
CULINARY ARTS I (FCS1011/1012)	0.5 credits, S1 or S2, \$40 Student Fee	9-12
Description: Students will practice using a variety of cooking methods and equipment and will have the opportunity to participate in cooking labs. Units of Study include: nutrition and diet analysis, safety and sanitation, recipe reading and interpretation, fruits and vegetables, quick breads, dairy, grains, meats and other proteins, meal preparation and presentation.		
CULINARY ARTS II (FCS2012)	0.5 credits, S2, \$40 Student Fee	10-12
Prerequisites Culinary Arts I		
Description: Culinary II students will continue to practice and expand their knowledge of cooking methods and techniques as well as practice baking recipes. Students will work collaboratively with their kitchen teams as they create more complicated recipes and meals. In Culinary II, our students will: hone their knife skills and precision knife cuts, increase their understanding of food safety and sanitation and embark on a global food unit. Our class has several catering opportunities embedded in the coursework. Students help prepare food for several school events and they can take part in set-up, serving and clean up.		
CULINARY ARTS III (FCS3011-3012)	1.0 credit, S1 and S2, \$40 Student Fee	11-12
Prerequisites Culinary Arts II		
Description: Culinary III provides students with a full year of labs and coursework to expand their culinary knowledge of: cooking and baking methods, precision knife skills, recipe reading, menu and timeline planning. In addition, students have the opportunity to earn a ServSafe Food Handler Certificate and a ServSafe Manager's Certificate through the National Restaurant Association. Students can also apply for a culinary scholarship through the Wisconsin Restaurant Association and take part in the Wisconsin ProStart Culinary Competition or the ProStart Management Competition.		
EDUC IN A PLURALISTIC SOC (DC) (STC3502-VL)	0.75 credits, S2	11-12
Description: Students will engage and explore diverse educations of people in the United States, and beyond, through the lenses of privilege, oppression, and opportunity. With self-analysis, reflection, historical investigation, contemporary school programming, schools and society, and communication skill building, students learn how to be culturally responsive to the contexts of communities. This course is offered as Dual Credit with Madison College (3 credits) and is recommended for any student interested in pursuing a future career pathway in an educational setting. This course is offered as an online (asynchronous) option, so will not take up a block in a student schedule.		



Family & Consumer Science

FASHION & FABRICS (FCS1021)

0.5 credits, S1

9-12

Description: In this course, students will learn about the fashion industry, fashion designers, the history of fashion, and careers within the fashion industry as well as an introduction to basic sewing skills including hand and machine stitching, serging, selection of fabrics, and use of patterns. Sewing machines are used to complete individual clothing projects. Students must purchase their own materials and supplies.

INTERIOR & HOUSING SERV (FCS2032)

0.5 credits, S2

10-12

Description: This course explores the psychological, physiological and sociological needs of individuals in relation to housing as well as ways they can meet those needs by enhancing their surroundings. The information learned in this class will serve as an introduction to a career in interior design. Units of Study include: selecting and arranging furniture; recognizing factors that influence housing, principles of design and application, recognizing basic architectural and furniture styles, practicing consumer rights and responsibilities related to housing, hands-on interior design projects, and career exploration.

INTRO TO EDUC & TEACHING (DC) (STC3501-VL) 0.75 credits, S1

11-12

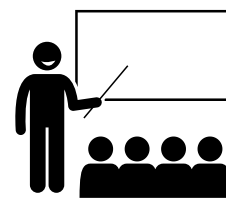
Description: Students are introduced to education and teaching through practical experience in school settings, group discussions, and individual reflection. Each student will complete 50 hours of K-12 classroom observation. We will explore the relationships among education, curriculum, and instruction across contexts of home, community and school; connecting school practices with philosophical perspectives of education. This course is offered as Dual Credit with Madison College (3 credits) and is recommended for any student interested in pursuing a future career pathway in an educational setting. This course is offered as an online (asynchronous) option, so will not take up a block in a student schedule; however, at least one school approved release is needed in order to complete required observation hours.

PERSONAL RELATIONSHIPS (FCS4201)

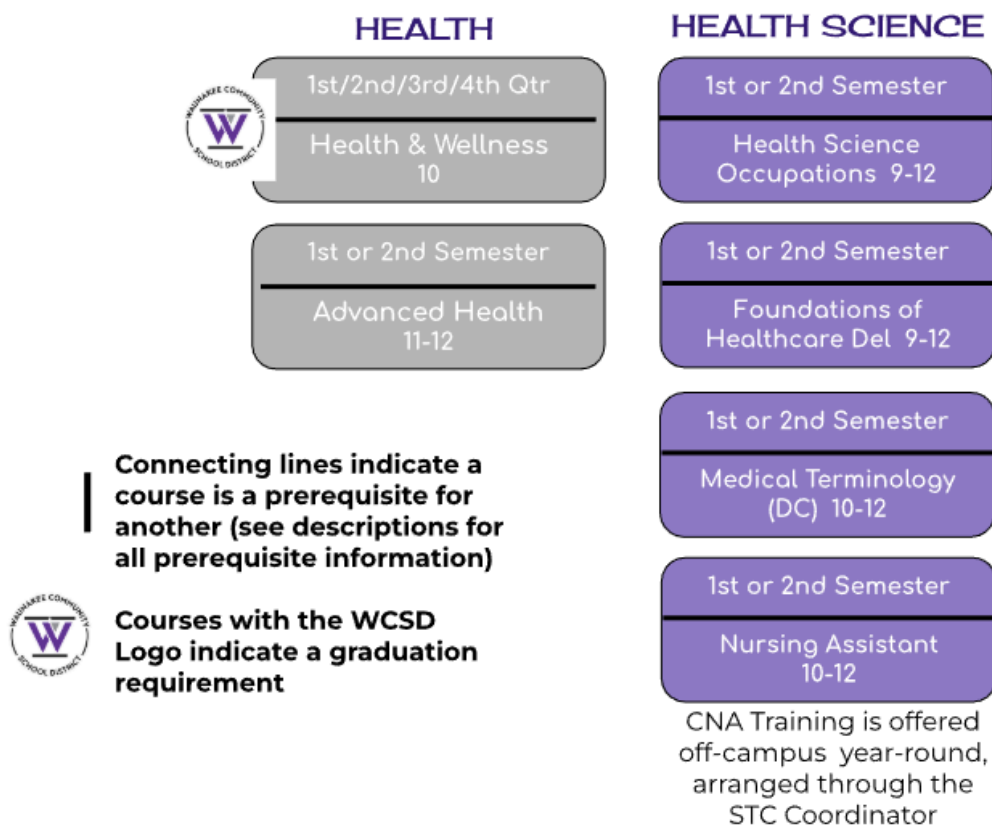
0.5 credits, S1

12

Description: Personal Relationships is designed on the premise that guided preparation for relationships and marriage is necessary for individuals living in our complex, fast-changing society. This course will be most helpful to the mature student who is interested in preparing for their role as a responsible adult, marriage partner, and parent. Units of Study include: Friends and pressure situations; Breaking up and dating abuse; Criteria for a healthy marriage; Values & goals; Attractions & infatuations; Communication skills; Principles of smart relationships; Teen pregnancy; Love and intimacy; Sexually transmitted diseases and prevention; Maturity issues; and Acquaintance and date rape.



Health & Health Science Education



ADVANCED HEALTH (HLT3031/3032)

0.5 credits, S1 or S2

11-12

Description: In this semester long course students will examine the seven dimensions of health and wellness. An emphasis is placed on the factors that influence health and wellness, particularly individual behaviors. Students will participate in self-assessments that provide information about their health and wellness behaviors and their overall health status. In addition, students will learn strategies that improve lifetime health and wellness.

FOUND OF HEALTHCARE DELIV (HLT1021/1022)

0.5 credits, S1 or S2

9-12

Description: Preparing future health care professionals with the knowledge and skills necessary to provide quality, patient-centered, safe, efficient, effective and equitable care. This course offers a foundation for all students wishing to enter any health care profession. We will explore legal and ethical issues, build cultural competence and examine cultural barriers. Students will develop skills in patient assessment and demonstrate effective communication of medical information. We will explore the human body, wellness practices and leading causes of death.

HEALTH & WELLNESS (HLT2041/2051/2062/2072)

0.25 credits, Q1/Q2/Q3/Q4

10

Description: The health units that will be covered during the quarter long class will be: In this class students will learn how to incorporate health and wellness concepts, skills, attitudes, and behaviors necessary to live productive and healthy lives. A main goal of this interactive course is to help students develop a desire to practice sound principles of physical, emotional, and social health. This is done through class discussions, class presentations, and small group activities. Units covered in this student-driven course include the following: accessing information, goal setting, mental health (suicide prevention), bullying, alcohol and other drug addiction, CPR, and human and growth and development. Health & Wellness is required for graduation, and this quarter long course is paired with Career Workshop in a semester for all sophomores.



Health & Health Science Education

HEALTH SCIENCE OCCUPATIONS (HLT1011/1012) 0.5 credits, S1 or S2

9-12

Description: Get a jump start on a career in the rapidly growing health care industry! Explore careers in the following areas: Nursing, Rehabilitation, Laboratory, Dental Health, Mental Health, Radiology, Emergency Medicine, Environmental Health, Medical Office and Health Informatics. Students will demonstrate infection control and safety practices as well as basic technical skills such as obtaining vital signs.

MEDICAL TERMINOLOGY (DC) (HLT2021/2022) 0.5 credits, S1 or S2

10-12

Description: This course is offered dual credit with Madison College (3 college credits). The focus is on communication using the medical language. Students practice formation, analysis and reconstruction of medical terms. Component parts of medical terms including word roots, prefixes, and suffixes are emphasized. Both the written and spoken formats for using language will be addressed including word construction, definition, spelling, and pronunciation of medical terms and interpretation of written materials. The course format is face to face and online.

RELATED OFF-CAMPUS COURSES

(Check with the School to Career Coordinator for eligibility and availability)

BIOTECH IN THE WORLD OF MEDICINE (HLT3712) 0.5 credits, S2

10-12

Prerequisite | Biology, C or better

Description: Students will explore technologies used in the biomedical field. Students will work on a project focused on creating new tools to radically improve human health, especially in the developing world. Solutions to the Grand Challenges depend on an understanding of molecular biology and the incorporation of biotechnology. Through technical lectures, laboratory work, and presentations from guest speakers, students will have the opportunity to acquire knowledge and scientific skills that focus on the study of DNA, RNA and proteins in a real-world, problem-centered context. Students will research ways to prevent, diagnose, and treat human disease. In addition, students will engage with the professional community of biomedical engineers and explore associated career pathways. **This course is offered at Biopharmaceutical Technology Center in Fitchburg one night per week during the spring semester.** Course tuition is covered by WCSO as long as the class is successfully completed. The course is graded and will impact GPA. Transportation is the responsibility of the student/family.

NURSING ASSISTANT (YAP3221/3222)

0.75 credits, S1 or S2 (also Summer)

10-12

Description: This class will prepare students for employment as nursing assistants. Students learn communication skills, basic nursing and personal care skills, clients' rights and care of clients with dementias. A supervised clinical experience with direct client care is a major component of the course. Upon completion, the student is eligible to take the certification for the Wisconsin Nurse Aide Registry. Enrollment Requirements: Must meet minimum age requirements, complete a Background Check, Health Screening, and Reading Requirements. Students who are interested in this program should speak with the School to Career Coordinator on available options through Madison College, Quality CNA, or the Healthcare Workforce Training Institute. There is an application process and classes are highly competitive. Course tuition is covered by WCSO as long as the class is successfully completed. Testing fees and required uniform (scrubs) are the responsibility of the student/family. Student with a financial need can work with the STC Coordinator to have those expenses covered. The course is graded and will impact GPA. **This course is offered at various training sites around Waunakee and Dane County.** Transportation is the responsibility of the student/family.



Mathematics

Grade	OPTION I	OPTION II	OPTION III	OPTION IV	OPTION V Pathways Placement
5	Math 5	Math 5	Math 5	Math 5	Accel. Math 6
6	Accel. Math 6	Accel. Math 6	Accel. Math 6	Accel. Math 6	Accel. Math 7
7	Accel. Math 7	Accel. Math 7	Accel. Math 7	Accel. Math 7	Algebra I
8	Algebra I	Math 8 (Pre-Algebra)	Algebra I	Algebra I	Geometry
9	Geometry	Algebra I	Geometry AND Adv. Algebra (double-up)	Geometry	Adv. Algebra
10	Adv. Algebra	Geometry	FST	Adv. Algebra	FST
11	FST	Adv. Algebra	Pre-Calculus	FST/Pre-Calc	Pre-Calculus
12	Pre-Calculus and/or AP Statistics or Intro Stats/Discrete Mathematics or Madison College Dual Credit Course (Senior Math Reasoning)	FST or Intro Stats/Discrete Mathematics or Madison College Dual Credit Course (Senior Math Reasoning)	AP Calculus AB and/or AP Statistics	AP Calculus AB and/or AP Statistics	AP Calculus AB and/or AP Statistics

1. Other options may exist for identified individual students through the District Pathways (G/T) program and/or mathematics department recommendation. The district does provide ways for students to reach Calculus BC.
2. All acceleration prior to high school involves Pathways placement.
3. Math workshops (RTI) will run parallel to each math course at the middle school and high school for students identified as needing additional instruction and support (teacher referral).

Revised August 21, 2025



Mathematics

ADVANCED ALGEBRA (MAT2011-2012)	1.0 credit, S1 and S2	9-12
Description: Advanced Algebra emphasizes facility with algebraic expressions and forms, especially linear, quadratic, powers, roots, and functions based on these concepts. Students will study trigonometric, polynomial, exponential and other special functions both for their abstract properties and as tools for modeling real-world situations. Students will be expected to have a graphing calculator, preferably a Texas Instruments TI-83 Plus or TI-84 model.		
ALGEBRA I (MAT1011-1012)	1.0 credit, S1 and S2	9-10
Description: Students will focus on the fundamental concepts of Algebra. Units of study include: Patterns and Sequences, Linear Equations and Inequalities, Describing Data, Describing Functions, Systems of Linear Equations and Inequalities, Exponential Functions, Quadratic Functions and Equations.		
AP CALCULUS AB (MAT4031-4032)	1.0 credit, S1 and S2	11-12
Prerequisite FST/Pre-Calculus or Pre-Calculus		
Description: Students enrolling in this course must have taken Pre-Calculus, have a strong foundation, desire, and purpose to study calculus and have adequate time available to meet the demands of the course. Students are required to have a graphing calculator, preferably a Texas Instruments TI-83 Plus or TI-84 model. At the completion of the course, students may elect to take the Advanced Placement Calculus AB Exam to earn college credit. Units of Study include: Numerical Techniques; Implicit Differentiation; Indefinite Integrals; Exponential Functions; Limits of Functions; Definite Integrals; Related Rates; Continuity; The Fundamental Theorem; Inverse Trigonometric Functions; Definition of a Derivative; Applications of Derivatives; The Mean Value Theorem; Differentiation Rules; Natural & Common Logarithms; Applications of Integration; Curve Sketching; and Optimization. Link: College Board Information		
AP CALCULUS BC (MAT4041-4042)	1.0 credit, S1 and S2	12
Prerequisite AP Calculus AB		
Description: AP Calculus BC includes calculus topics that are typically encountered beginning in College Calculus I up through the end of College Calculus II. Topics will follow the College Board's AP Calculus BC course description and emphasize differential calculus and integral calculus, including applications involving parametric and polar curves, sequences, and series. Link: College Board Information		
AP STATISTICS (MAT3031-3032)	1.0 credit, S1 and S2	11-12
Prerequisite FST or Intro to Statistics (Grade 10 with consent of instructor)		
Description: Students must have successfully completed FST to enroll in this course. This course may be taken concurrently with Pre-Calculus, AP Calculus, or FST/Pre-Calculus. Strong math students may take AP Stats concurrently with FST (as a sophomore), with instructor consent. Students will need a graphing calculator, preferably a Texas Instruments TI-83 Plus or TI-84 model. At the completion of the course, students may elect to take the Advanced Placement Statistics Exam to earn college credit. Units of Study include: Analysis of univariate data (one variable statistics); Analysis of bivariate data and regression models; Experiment design; Inference (Hypothesis Testing, Confidence Intervals); Probability, and AP Exam prep. Link: College Board Information		
GEOMETRY (MAT1021-1022)	1.0 credit, S1 and S2	9-11
Prerequisite Algebra I		
Description: Students will be expected to have a scientific calculator. This course formally develops a student's understanding of geometry. Students will use numerous examples and applications from the outside world along with hands on activities to develop a formal understanding of points, lines, angles, polygons, circles, three dimensional figures, transformations, congruence, similarity and proofs. Algebraic skills will be utilized. Units of Study include: Introduction to Geometry and Coordinate Geometry; Angles; Transformations; Introduction to Proof Writing; Polygons ⁶⁷ and Quadrilateral Properties; Perimeter and Area Circles; Surface Area and Volume; Similarity; Trigonometry and Constructions.		



Mathematics

INTRO TO DISCRETE MATH (MAT3052)

0.5 credit, S2

11-12

Prerequisite | Advanced Algebra

Description: Discrete Math topics include many applications of mathematics that are not typically discussed in other high school courses. Some of those applications explored in this introductory course include: Euler Circuits/Paths for designing efficient routes for garbage collection or mail delivery, Digraphs for planning projects in order to efficiently complete tasks/project on time, Conflict Mapping/Graph Coloring to avoid conflicts between items that cannot be grouped together, Hamilton circuits, including the famous Traveling Salesperson Problem, for planning routes for plowing snow or for traveling to various locations, Ranked Choice Voting and Runoff Voting methods that are being implemented in many communities.

INTRO TO STATISTICS (MAT3041)

0.5 credit, S1

11-12

Prerequisite | Advanced Algebra

Description: This course will focus on three main topics: Data collection, Data analysis, and Statistical significance. Students will learn how to collect data worthy of being analyzed by exploring topics of sampling, creating surveys, and designing experiments. They will then learn how to summarize and present data numerically and graphically. Students will also explore what it means for data to be statistically significant and will use simulation techniques and technology to answer statistical questions.

FST - FUNCT, STATS, TRIG (MAT3011-3012)

1.0 credit, S1 and S2

10-12

Prerequisite | Advanced Algebra

Description: Students must have successfully completed Advanced Algebra prior to enrolling in this course. Students should have a graphing calculator, preferably a TI-83 Plus or TI-84 model. FST is designed to reinforce and extend mathematical concepts from previous mathematics courses, in addition to studying advanced topics from algebra, statistics, trigonometry, and probability. Units of Study include: Review of Function Families, Transformation of Functions, Descriptive Univariate Statistics, Trigonometry, Polynomials, Sequences & Series, Logarithms, and Probability.

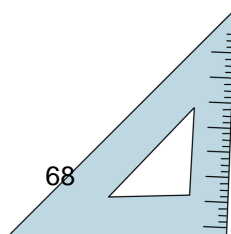
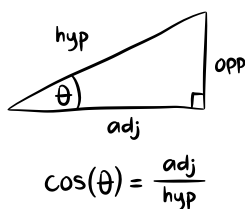
FST/PRE-CALCULUS (MAT3021-3022)

1.0 credit, S1 and S2

10-12

Prerequisite | Advanced Algebra plus Approved Application

Description: Students interested in taking this course should register for FST and then fill out an application for placement consideration in the FST/Pre-Calculus compacted course. The application process will be discussed in all Advanced Algebra courses at the beginning of 2nd semester. Submitted applications will be reviewed by the WCHS Math Department and recommendations for placement will be sent to applicants, their families, and the counseling office before Spring Break. Recommendations will be based on performance in Advanced Algebra, standardized test scores (pre-ACT), and additional criteria listed on the student application. This compacted FST/Pre-Calculus course is designed to allow students an opportunity to take AP Calculus in high school. It will combine those topics in FST and Pre-Calculus that are most essential to success in AP Calculus in a single course, and will deemphasize those topics (such as statistics and probability) that do not carry over to Calculus. Students considering this course need to be aware that some of the skipped topics of statistics, probability, and discrete math are important foundational topics in other areas of math that they might need to remediate should they want to pursue non-calculus math courses later in high school or college. Units of Study include: Review of function families; Transformations of functions; Trigonometry; Parametric equations, Polynomial functions, Rational functions, Rates of change (introduction to derivatives and integrals) and Sequences and series.



$$X = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



Mathematics

PRE-CALCULUS (MAT4021-4022)

1.0 credit, S1 and S2

11-12

Prerequisite | FST

Description: Students must have successfully completed FST prior to enrolling in this course. Students should have a graphing calculator, preferably a Texas Instruments TI-83 Plus or TI-84 model. Pre-Calculus expands and reinforces the algebraic skills required for success in Calculus. Students who intend to take Calculus or are planning a STEM career should take this course. Units of Study include: Rates of change – introduction to derivatives and integrals; Trigonometry; Parametric Equations; Polynomial Functions; Rational Functions; Solving Equations; Counting Methods, and Conic Sections.

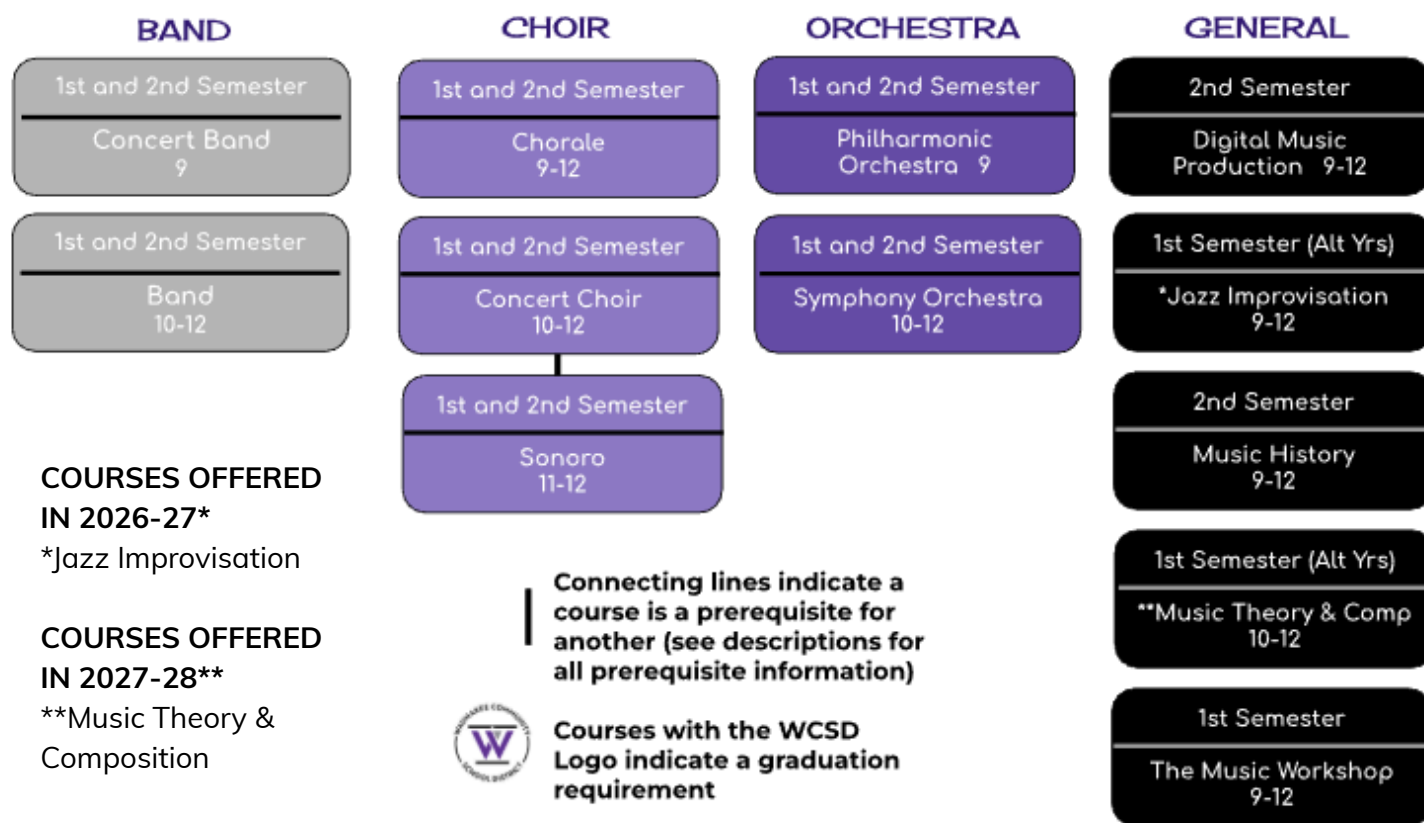
SR MATH REASONING (DC) (MAT4001-4002) 1.0 credit, S1 and S2

12

Prerequisite | Advanced Algebra

Description: All students need to be able to make reasonable decisions about fiscal, environmental, and health issues that require quantitative reasoning skills. 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. This course is not designed for seniors who will be majoring in Science, Engineering, or Math in college and/or others who require calculus. This course is a dual credit course offered in conjunction with the Madison College course "Math Reasoning."

Music Education



Music Education

BAND (MUS2011-2012)

1.0 credit, S1 and S2, \$10 Student Fee (Uniform)

10-12

Description: All band students are together to form the marching band which begins with summer rehearsals (band camp the week of the Waunafest parade and performs in the Waunafest parade). The band performs and marches at home football games when school begins through October and possibly into November with football playoffs. In late October, the marching band transitions to two concert bands. Students will be assessed only if they wish to be considered for Wind Ensemble (placement in Wind Ensemble will be based upon work ethic, balanced instrumentation, dedication/contributions to the band program and playing assessment. It is not based on what year you are in school). Band students perform at concerts in December, March and May and are expected to attend small group instruction. The Symphonic Band generally plays Class B and C music and the Wind Ensemble generally plays Class A and B music.

CHORALE (MUS1111-1112)

1.0 credit, S1 and S2

9-12

Description: Chorale is an introductory ensemble designed for individuals who are new to choral singing at the high school and want to explore the fundamentals of singing in a choir. This course aims to develop participants' vocal skills, creativity, musicality, and ensemble singing abilities. Participants will learn basic vocal techniques, sight-singing, ear training, and the art of singing in harmony with others. Within large and small group instruction and through individual goal setting, students will enhance their skills and understanding in vocal technique, music literacy, music theory, rehearsal techniques, listening skills and ear training, collaborating with others, and sight reading.

CONCERT BAND (MUS1011-1012)

1.0 credit, S1 and S2, \$10 Student Fee (Uniform)

9

Description: Concert Band is a Freshmen only full-year class designed to transition students into the high school band program. All freshman band members are expected to attend summer band camp and perform in the Waunafest parade. Concert Band will have units of study to include marching band concepts, level appropriate musical skill-building, age/ability appropriate band literature, performance techniques and solo and ensemble. Required performances for this group consist of Marching Band performances during September & October, three formal concerts in December, March, & May, and solo ensemble performances in March. Members of this ensemble will have the same opportunities to play in cocurricular offerings such as Pep Band, Jazz Ensembles and Jazz Combo as students in grades 10-12.

CONCERT CHOIR (MUS2131-2132)

1.0 credit, S1 and S2

10-12

Description: Concert Choir is an intermediate ensemble designed to build upon the foundational skills acquired in Chorale. This course focuses on enhancing vocal techniques, musicianship, ensemble cohesion, creativity and performance skills. Students will develop a deeper understanding of choral music and develop the strengths they contribute to the ensemble. Within large and small group instruction and through individual goal setting, students will enhance their skills and understanding in vocal technique, music literacy, music theory, rehearsal techniques, listening skills and ear training, collaborating with others, and sight reading.

DIGITAL MUSIC PRODUCTION (MUS1342) 0.5 credits, S2

9-12

Description: Students in Digital Music Production will create a portfolio of music projects including digital music production, songwriting and multi-track recording. Students will create tracks, record instruments and voices, and sample other sound sources in a digital audio workstation. In addition, students will explore general music structures and conventions and basic music theory while creating music in multiple software applications including Logic Pro, Garage Band, Sibelius and Flat. This introduction to digital sound production will help expose students to a career in music production, digital communication or similar fields.



Music Education

JAZZ IMPROVISATION (MUS1311)

0.5 credits, S1 (ALTERNATING YEARS)

9-12

Description: This course provides introductory and intermediate instruction of jazz improvisation. During the course of the semester, you will be exposed to a number of jazz styles. Through these styles students will study the fundamentals of improvisation to include chord structures, chord notation, chord progressions, scales, musical forms, listening to, transcribing and performing jazz music. Students will be expected to sing and/or play both in classroom situations and performance-based situations. By the end of the semester, the goal is to be comfortable with improvising over song forms including the 12 bar blues, AABA, and modal while utilizing a variety of scales. You must be able to read notes and rhythms. Students in this course will be welcomed to join the jazz combo, jazz ensembles or vocal jazz ensemble.

MUSIC HISTORY (MUS1322)

0.5 credits, S2

9-12

Description: This course provides an introductory survey of music fundamentals, music history, world music (to include Native American) music in theater and film, and music technology. Students will examine musical developments in various genres ranging from medieval to modern, jazz, pop/rock, and blues as they relate to major historical events, social movements, and cultural trends. Students will examine historical recordings to develop listening skills and distinguish specific characteristics among a variety of musical styles. Attendance at two live performances separate from regular class meetings is required.

MUSIC THEORY & COMPOSITION (MUS2311)

0.5 credits, S1 (ALTERNATING YEARS)

10-12

Prerequisite | Previous Music Experience

Description: (Formerly called Music Technology) In this course, students discover the fundamentals of Western European music theory including scale construction, chord progressions, tonality, aural skills, sight reading and music terms and symbols. Students will demonstrate what they know through class discussions, aural skill development, digital applications and composition. The class includes the use of music computer software programs, keyboards, listening workbooks, group discussion, individual projects, and hands on demonstrations. Students must have extensive band, choir, orchestra, or piano background. To be successful in this course, students should excel at reading music including pitches and rhythms.

PHILHARMONIC ORCHESTRA (MUS1211-1212)

1.0 credit, S1 and S2

9

Prerequisite | Prior String Instrument Experience

Description: Philharmonic Orchestra includes string players in grade 9. A wide variety of music is studied, including world folk, jazz, classical and traditional pieces. We perform 3 concerts a year and students have the opportunity to participate in the annual Solo Ensemble Festival in March. At this level, we focus on improving our string performing techniques such as advanced bowings and finger positions. Class time is also used to explore music history and music theory, as well as strengthen aural skills with ear training activities.

SONORO (MUS3121-3122)

1.0 credit, S1 and S2

11-12

Prerequisite | Concert Choir plus Audition

Description: Sonoro is an advanced ensemble designed for experienced choral singers who are looking to refine their vocal and ensemble skills to an exceptional level. This course puts a strong emphasis on advanced musicianship, artistic interpretation and the mastery of advanced complex choral music from a variety of genres and periods. Within large and small group instruction and through goal setting, students will enhance their understanding of vocal tone color, music theory, ear training, collaborating to create a cohesive and nuanced ensemble sound, section leading and conducting, improvisation and sight reading.



Music Education

SYMPHONY ORCHESTRA (MUS2211-2212)

1.0 credit, S1 and S2

10-12

Prerequisite | Prior String Instrument Experience

Description: Symphony Orchestra includes string players from Grades 10-12. A wide variety of music is studied, including world folk, jazz, classical and traditional pieces. We perform 4 concerts a year (Nov, Dec, March and May) and students have the opportunity to participate in the annual Solo Ensemble Festival in March. In Symphonic Orchestra, we continue to advance our techniques and understanding of music theory and music history. Each year we collaborate with advanced band members to perform symphonic masterpieces.

THE MUSIC WORKSHOP (MUS1331)

0.5 credits, S1

9-12

Description: Students in The Music Workshop will develop music making skills and explore music literacy in many forms using the medium of pop, folk and rock music. All students will explore playing guitar, electric bass, keyboard, drums and vocals, and use what they have learned to create rhythm ensembles, arrange their own music and explore music performance and/or recording.

Physical Education

INTRODUCTION



1st or 2nd Semester

Intro to Physical Education 9-10

Intro to PE is a prerequisite for all other PE courses

INDIVIDUAL

1st or 2nd Semester

Lifetime Individual Activities 10-12

2nd Semester

Lifeguard Certification 10-12

1st or 2nd Semester

Unified Physical Education 10-12

1st or 2nd Semester

Strength & Conditioning 10-12

1st or 2nd Semester

Strength & Conditioning II 10-12

1st or 2nd Semester

Advanced Fitness 11-12

TEAM

1st or 2nd Semester

Lifetime Team Activities 10-12

Connecting lines indicate a course is a prerequisite for another (see descriptions for all prerequisite information)



Courses with the WCSD Logo indicate a graduation requirement



Physical Education

ADVANCED FITNESS (PHY3011/3012)

0.5 credits, S1 or S2

11-12

Prerequisite | Intro to Physical Education

Description: This class is designed for the fitness-minded student. Strength training is a daily component in which the student will work on lower and upper body exercises. Students will also increase strength in the abdominals, obliques, and back. Each class will end with aerobic/anaerobic exercises to increase cardiovascular endurance and flexibility. Units will include: Introduction to lifting/muscle recognition/safety, Fitnessgram testing (mile, pacer, curl-ups, push-ups), nutrition, swimming and personal training. Great emphasis is put on a positive attitude and taking responsibility. All physical education classes are co-educational and all upper level classes are combined grades 11 & 12. If a student wishes to take both Adv. Fitness and Strength and Conditioning, they may NOT take them during the same semester.

INTRO TO PHYSICAL EDUCATION (PHY1011/1012)

0.5 credits, S1 or S2

9-10

Description: Students must earn 1.5 credits of physical education to graduate from high school. Physical education at WCHS is designed to give students fitness knowledge and experience, skill development, activity knowledge and a positive attitude within a very comprehensive and unique list of offerings. Six units are offered each semester: Fitness, Volleyball, Swimming, Strength & Conditioning, Basketball, and Badminton.

LIFEGUARD CERTIFICATION (PHY2062)

0.5 credits, S2

10-12

Prerequisite | See Qualifications in Description

Description: The primary purpose of the American Red Cross Lifeguarding course is to provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize and respond to aquatic emergencies and to provide professional-level care for breathing and cardiac emergencies, injuries and sudden illnesses until emergency medical services (EMS) personnel take over. Upon successful completion of the requirements for certification, students would have the option to purchase their American Red Cross Lifeguard Certification. This is what a student would use to give potential employers to verify their certification status.*Candidates must: Be at least 15 years old on or before the final scheduled session of the course and successfully complete the following two swimming skills evaluations.

1. Complete a swim-tread-swim sequence without stopping to rest:

- Jump into the water and totally submerge, resurface then swim 150 yards using the front crawl, breaststroke or a combination of both. (Swimming on the back or side is not permitted. Swim goggles are allowed)
- Maintain position at the surface of the water for 2 minutes by treading water using only the legs
- Swim 50 yards using the front crawl, breaststroke or a combination of both

2. Complete a timed event within 1 minute, 40 seconds:

- Starting in the water, swim 20 yards. (The face may be in or out of the water. Swim goggles are not allowed)
- Submerge to a depth of 7 - 10 feet to retrieve a 10-pound object
- Return to the surface and swim 20 yards on the back to return to the starting point, holding the object at the surface with both hands and keeping the face out at or near the surface
- Exit the water without using a ladder or steps



Physical Education

LIFETIME INDIVIDUAL ACTIVITIES (PHY2041/2042) 0.5 credits, S1 or S2 10-12

Prerequisite | Intro to Physical Education

Description: Great emphasis is put on a positive attitude, taking responsibility and wellness planning for the future. All physical education classes are co-educational. If a student chooses to take both Lifetime Activities and Strength and Conditioning, they may take them during the same semester. Lifetime Activities (2-year cycle) will be selected from the following units: (fitness emphasized in all units) personal wellness, outdoor activities, recreational activities, fitness trends. This course is designed for students who prefer individual exercise. Students MAY repeat this course for PE credit as long as they are taken in different school years.

LIFETIME TEAM ACTIVITIES (PHY2051/2052) 0.5 credits, S1 or S2 10-12

Prerequisite | Intro to Physical Education

Description: Great emphasis is put on a positive attitude, teamwork, and wellness planning for future team activities. All physical education classes are co-educational. If a student chooses to take both Lifetime Activities and Strength and Conditioning, they may take them during the same semester. Team Activities (2 year cycle) will be selected from a variety of indoor and outdoor Team Games. This course is designed for students who want to participate in Team Games/Activities. Students MAY repeat this course for PE credit as long as they are taken in different school years.

STRENGTH & CONDITIONING (PHY2021/2022) 0.5 credits, S1 or S2 10-12

Prerequisite | Intro to Physical Education

Description: This introductory course is for students who want to boost their athletic performance, physical fitness, and overall health. Through a structured program, you'll master the fundamental principles of resistance exercise, including proper form and technique for a variety of lifts and movement patterns, along with speed, agility, plyometric, and conditioning drills.

STRENGTH & CONDITIONING II (PHY2031/2032) 0.5 credits, S1 or S2 10-12

Prerequisite | Strength & Conditioning

Description: This course will be offered to students interested in furthering their knowledge, technique, and concepts, as it relates to strength and conditioning. This will be a high intensity course that will feature advanced lifting techniques, mentoring and peer teaching, and career research into the dynamic world of fitness training.

UNIFIED PHYSICAL EDUCATION (PHY2071/2072) 0.5 credits, S1 or S2 10-12

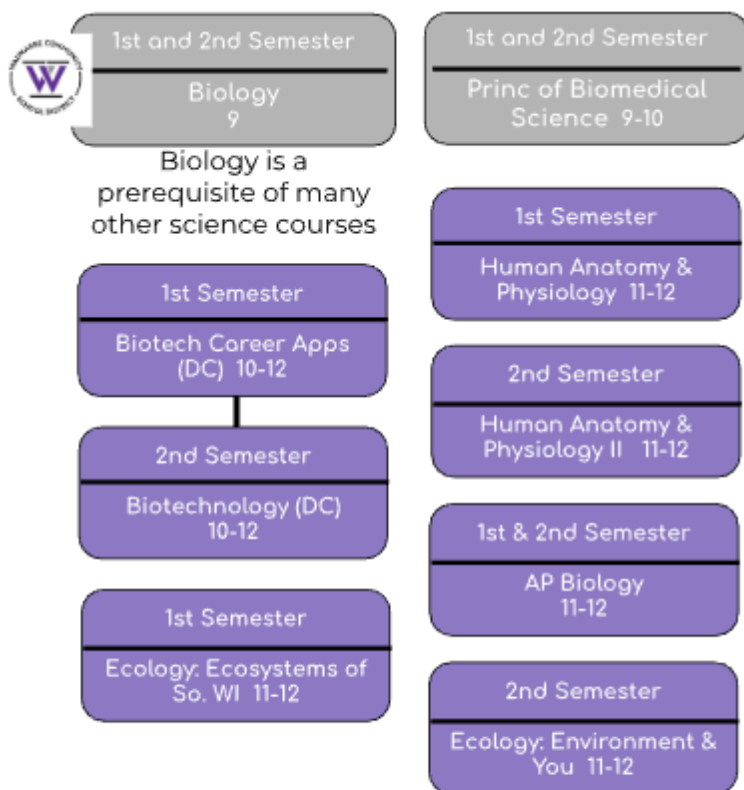
Prerequisite | Intro to Physical Education AND Application Process

Description: The purpose of this course is to bring Adapted PE and Regular Education students together through various physical activities. Most activities are non-competitive and will require working together to complete a goal. Units MAY include swimming, bowling, team building activities, fitness, hiking, and other lifetime/outdoor activities. Students will also learn about different disabilities and how everyone can live happy and active lives. There will be a 1:1 mentor student: buddy student ratio. A minimum of 90% attendance (including excused or sports absences) is required to be a mentor student.

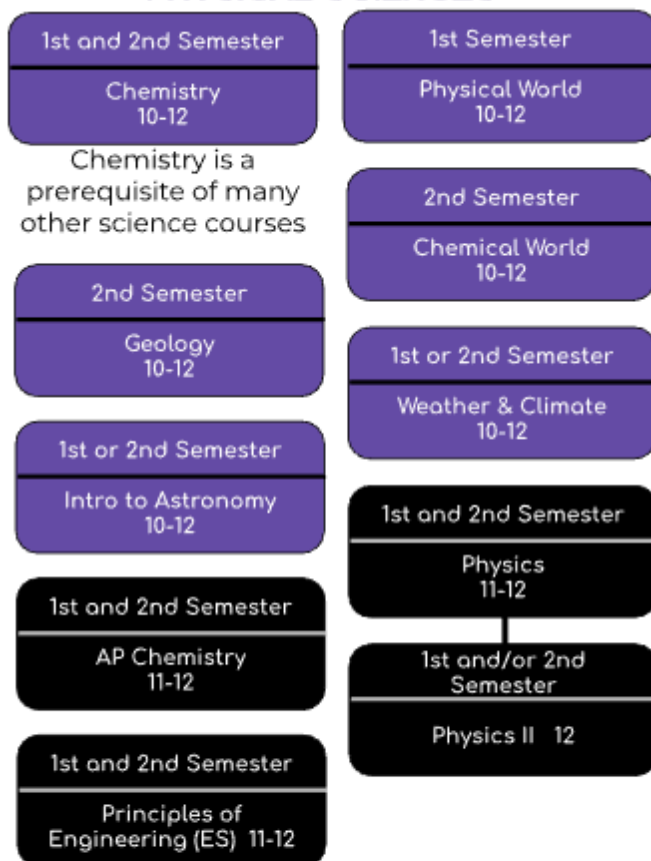


Science

LIFE SCIENCES



PHYSICAL SCIENCES



Connecting lines indicate a course is a prerequisite for another (see descriptions for all prerequisite information)



Courses with the WCS D Logo indicate a graduation requirement

AP BIOLOGY (SCI3011-3012)

1.0 credit, S1 and S2

11-12

Prerequisite | Biology & Chemistry

Description: The 4 "Big Ideas" of AP Biology include a study of Evolution, Energetics, Information Storage and Transmission, and Systems Interactions. Unit topics include chemistry of life, cells, energetics, cell communication, heredity, gene expression and regulation, natural selection, and ecology. Each unit includes hands-on laboratory experiments and modeling. Students should expect extensive daily reading assignments, lab preparation, analysis and discussion. AP Biology is a college-level course designed to prepare students to take the Advanced Placement Exam for college credit. Link: [College Board Information](#)

AP CHEMISTRY (SCI3031-3032)

1.0 credit, S1 and S2

11-12

Prerequisite | Chemistry

Description: AP Chemistry covers the 9 major topics determined by the College Board. The curriculum builds off of the learning objectives in introductory Chemistry. Students create written lab reports, do online homework, and take tests in the same format as the AP Chemistry exam. Students are required to perform calculations during each unit as well as explain natural phenomena at the atomic level. First semester units of study include: Atoms and Compounds, Intermolecular Forces & Reactions in Solution. Second semester units of study include: Kinetics & Equilibrium, Acid & Bases, and Thermodynamics.

Link: [College Board Information](#)



Science

BIOLOGY (SCI1011-1012)

1.0 credit, S1 and S2

9

Description: This is an introductory, survey course in Biology. Major themes of this course are: cells, genetics, evolution, diversity of life, organisms, human structure and function, and ecology. This course is designed as a basis for scientific learning and a general approach to the study of living things. Units of Study include: Classification, Ecology, Genetics, Intro to Evolution, Cellular Energy, Overview of Body Systems, Simple Chemistry – Organic Substances, Nucleic Acids, and Protein Synthesis.

BIOTECH CAREER APPS (DC) (SCI2071)

0.5 credits, S1

10-12

Prerequisite | Chemistry or Chem World (or Concurrent Enrollment)

Description: Students may earn dual credit at Madison College if a C or higher is earned. Provides a broad introduction to biotechnology including the scientific basis behind technologies and their current application in the areas of medicine, agriculture, forensics and the environment. This course is lab based and will cover skills and techniques essential for a successful career in a Biotechnology career. Units of study may include: DNA technologies, Gel Electrophoresis, genetic modification, immunology, bacterial culture, biofuels, and food production, analysis and safety. There will be career-related field trips and guest lecturers or interviews. There will be a full-day lab experience as part of this course at BTCI.

BIOTECHNOLOGY (DC) (SCI2082)

0.5 credits, S2

10-12

Prerequisite | Biotech Career Apps or AP Biology (or Concurrent Enrollment)

Description: Students may earn dual credit at Madison College if a C or higher is earned. This course is 75% hands-on lab based activities. A review of concepts related to the AP Biology curriculum will also be included. Units of study may include: Bacteriology and Sterile Technique, DNA Sequencing techniques, Gene transformation, Karyotyping and Genetics, Stem Cell technologies, Ethical and Legal aspects of Biotechnology, Gel Electrophoresis, and PCR and Gene Editing with CRISPR. There will be a full-day lab experience as part of this course at BTCI.

CHEMICAL WORLD (SCI2022)

0.5 credits, S2

10-12

Description: This course is designed to give students active experiences with chemical principles and understand the relevance of chemistry in their daily lives. Emphasis is placed on the scientific method and a general study of Chemistry. Units of Study include: Matter, Atoms & Ions, Compounds, and Ionic & Covalent Bonding.

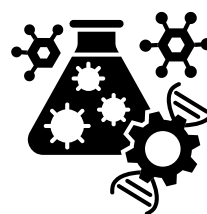
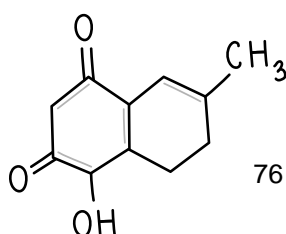
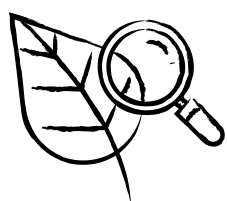
CHEMISTRY (SCI2031-2032)

1.0 credit, S1 and S2

10-12

Recommendation | Biology or Chem World and Geometry (C or better in both)

Description: Chemistry is the study of matter and energy, the interactions between the two, and how those interactions shape the world we live in. Chemistry is a laboratory-based course that investigates and explains happenings in the observable world by looking at what is going on at the atomic level. Students will perform multiple laboratory techniques and quantitative analysis. Students must demonstrate proficiency with algebraic expressions and conversions.



Science

ECOLOGY: ECOSYSTEMS OF SO. WI (SCI3051)

0.5 credits, S1

11-12

Description: Students should have an interest and aptitude in natural science. Emphasis is on understanding ecosystem structure and functions and how humans are connected to these environments. Both classroom and field trips/activities are used in studying natural communities such as forests and prairies. Select essays from Aldo Leopold's A Sand County Almanac and Dr. Robin Wall Kimmerer's Braiding Sweetgrass (YA edition) are used to support student understanding of these connections. Themes of Study include: Principles of Ecology, Sense of Place, Forest and Prairie Ecology and Management, Population Studies, and Wildlife Ecology and Management.

ECOLOGY: ENVIRONMENT & YOU (SCI3062)

0.5 credits, S2

11-12

Description: Students should have an interest and aptitude in natural science. Course emphasis is on the human connection to the environment including issue investigation and human use of resources. Current environmental issues provide for teaching opportunities for citizen involvement. "A Sand County Almanac" by Aldo Leopold and "Braiding Sweetgrass" by Dr. Robin Wall Kimmerer, provides lessons in ecological principles and philosophy. Field trips, some very early, are an integral element to the class. Themes of Study include: Human Resource Use, Wilderness, Ornithology, Wetland Ecology, Aquatic Ecosystems, Groundwater, and Issue Investigation.

GEOLOGY (SCI2062)

0.5 credits, S2

10-12

Description: The Earth's history will be unraveled as we go back in time 4.6 billion years in this investigative physical geology course. Units include: earthquakes, volcanoes, plate tectonics, Wisconsin's geological past, rocks and minerals, and earth history. Students will investigate and present a geologic topic as a semester project.

HUMAN ANATOMY & PHYSIOLOGY (SCI3081)

0.5 credits, S1

11-12

Prerequisite | Chemistry or Chem World

Description: This course is geared towards students interested in a career in a health or science field, or who have an interest in learning in-depth about the human body. Human Anatomy and Physiology I focuses on the terminology, structure and homeostatic function of major body systems through both microscopic and gross anatomy. Students will learn how structures coordinate within a system through the use of formal lectures, modeling, dissections, case studies, and interactive labs. Units covered include Anatomical Language and Feedback Systems and the Skeletal, Muscular, Circulatory, Respiratory, Digestive, and Reproductive Systems. The Anatomy and Physiology I and II courses can be taken individually or in any order.

HUMAN ANATOMY & PHYSIOLOGY II (SCI3092)

0.5 credits, S2

11-12

Prerequisite | Chemistry or Chem World

Description: This course is geared towards students interested in a career in a health or science field, or who have an interest in learning in-depth about the human body. Students will evaluate how molecules and structures in the body interact to maintain proper mental and physical health. Emphasis will be placed on interactions between body systems through formal lectures, experiments, dissections, research and case studies. Units include: Homeostasis, Cell Transport & Signaling and the Excretory, Nervous, Endocrine, Lymphatic, Immune and Integumentary Systems. The Anatomy and Physiology I and II courses can be taken individually or in any order.



Science

INTRO TO ASTRONOMY (SCI2041/2042)

0.5 credits, S1 or S2

10-12

Description: This course is designed to offer students an introduction to the principles of astronomy through an inquiry, lab-based curriculum. Students will investigate the moon-earth-sun system, the role of the sun in our solar system, the characteristics and life-cycles of stars, Newton's law of universal gravitation, and scientific theories of cosmology. Inquiry labs will include physical modeling, real-time data analysis, and interactive computer-based models of celestial phenomena. Although largely descriptive, the course will occasionally require the use of sophomore level mathematics. Students will have the opportunity to research additional topics of interest through a semester project of their choice.

PHYSICAL WORLD (SCI2011)

0.5 credits, S1

10-12

Description: This course is designed to give students active experiences with how physics and engineering interact with our lives. Emphasis is placed on the core skills of collecting, analyzing, & communicating scientific data and iterative design. Units of study include Energy, Work & Forces, and Motion.

PHYSICS (SCI3021-3022)

1.0 credit, S1 and S2

11-12

Prerequisite | Advanced Algebra

Description: Physics is a way of looking at and questioning our ever-changing environment. Physics is presented not merely as a body of facts, but as a continuing process by which we can seek to understand our own physical world. Students will discover the basics of physics as well as be able to apply physics concepts to their daily lives. This course is very real world and hands-on culminating in an investigation of amusement park physics. Units of Study include: Motion, Forces, Momentum & Energy, Work & Simple Machines, Waves, Sound & Light, and Optics.

PHYSICS II (SCI4011 and/or 4022)

0.5 or 1.0 credit, S1 and/or S2

12

Prerequisite | Physics

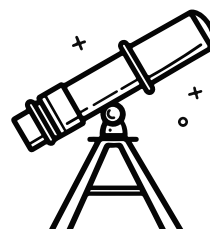
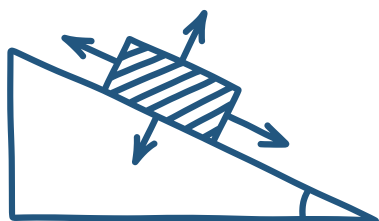
Description: Students may elect to take both semesters or just Semester 1 or Semester 2. Physics II is a continuation of Physics and covers new topics. This is an excellent course for students pursuing careers in math, science, and/or engineering at the post-secondary level. Units of Study include: (Semester 1) Thermodynamics, Electricity and Magnetism, Share Science Project (share science lessons with elementary students); (Semester 2) Rube Goldberg Competition Machine, Modern Physics, Wireless Communication, Physics of Flying, and Share Science Project.

PRINC OF BIOMEDICAL SCIENCE (SCI1021-1022)

1.0 credit, S1 and S2

9-10

Description: This course provides an introduction to the field of biomedical science through exciting hands-on projects and problems. There are four major units: clinical care, forensic science, outbreaks/emergencies, and innovation. Students will determine the factors that led to the death of fictional characters by examining crime scene evidence and autopsy reports. They will explore biomedical science careers, human physiology, biology, medicine, and learn about health conditions including heart disease, diabetes, and infectious diseases.



Science

PRINC OF ENGINEERING (TEE3011-3012) 1.0 credit, S1 and S2, Equivalency Science Credit (ES) 11-12
Prerequisite | Geometry

Description: Science credit is awarded for successful completion of this course as it is recognized as a science equivalency by the Wisconsin Department of Public Instruction as a third science credit. Please note that a maximum of 1.0 science credit may be earned from all (ES) courses completed. Students who successfully complete both semesters may be eligible for college and/or technical school credit based on their score on the PLTW final exam. Any student planning on pursuing an engineering career should take this course. This course is lab based and conveys the concepts and principles of the engineering field. Students will be able to combine math and science skills to create practical, working solutions to real-life problems. Units of Study include: Mechanical Design, Application of Robotics, Energy in Action, and Designing Infrastructure and Developing Sustainability

WEATHER & CLIMATE (SCI2051/2052) 0.5 credits, S1 or S2 10-12

Description: This course is designed to allow students to explore the different factors that drive the weather and our changing climate. Students will also use data from weather maps to forecast current and future weather conditions. Areas of focus: How energy moves through the atmosphere, Humidity, Fronts, Air Pressure, and Air Masses. The course will culminate with students researching the climate of a continent or ocean of their choosing.



Social Studies

HISTORY



1st and 2nd Semester

World History
9

1st and 2nd Semester

US History
10

OR

1st and 2nd Semester

AP US History
10

1st Semester (Alt Years)

*America in Conflict (US
Military Hist) 10-121st and 2nd Semester
(Alt Years)*AP European History
11-12

PSYCHOLOGY

1st or 2nd Semester

Issues in Psychology
10-12

1st and 2nd Semester

AP Psychology
11-12

1st or 2nd Semester

Sports Psychology
11-12

ECONOMICS

1st Semester

Economics
11-12

1st Semester

AP Macroeconomics
11-12

1st or 2nd Semester

Law
12

SOCIOLOGY

1st Semester

Social Problems
10-12

2nd Semester

Sociology
10-12

SOCIAL SCIENCES

1st Semester (Alt Years)

**Modern Global
Studies 10-12

2nd Semester

Exploring Wisconsin
11-12

1st Semester

US Indigenous Studies
11-121st and 2nd Semester
(Alt Years)**AP US Gov & Politics
11-12

2nd Semester

African American
Studies 11-12

COURSES OFFERED IN 2026-27*

*America in Conflict
*AP European History

COURSES OFFERED IN 2027-28**

**AP US Government &
Politics
**Modern Global Studies

Connecting lines indicate a
course is a prerequisite for
another (see descriptions for
all prerequisite information)



Courses with the WCS D
Logo indicate a graduation
requirement

AP EUROPEAN HISTORY (SST3051-3052) 1.0 credit, S1 and S2 (ALTERNATING YEARS) 11-12

Description: This course will be focused on European History from the Renaissance through the development of modern Europe. This course is excellent preparation for college. Link: [College Board Information](#)

AP MACROECONOMICS (SST3121) 0.5 credits, S1 11-12

Description: The purpose of AP Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. In May, students will have the opportunity to take the AP Macroeconomics exam in order to earn college credit (typically with a score of 3 or higher). Link: [College Board Information](#)



Social Studies

- AP PSYCHOLOGY (SST3031-3032)** **1.0 credit, S1 and S2** **11-12**
Description: This class is designed to provide not only the content, but the rigor, of a college Psychology course. In general we will be learning about the scientific study of human behavior and the thought process. More specifically we will cover units related to neuroscience, sensation and perception, memory, learning, motivation, personality, disorders and others. The two main focuses in class will be to 1) allow the student to see and apply the psychological concepts in their lives, and 2) prepare students for the AP exam in early May. Successful completion of the AP exam will result in 3 college credits at most universities. Link: [College Board Information](#)
- AP US GOV & POLITICS (SST3062-3063)** **1.0 credit, S1 and S2 (ALTERNATING YEARS)** **11-12**
Description: This course offers an analytical perspective on American government and politics through reading activities, simulations, small and large group discussion and a field trip to watch the Wisconsin Supreme Court in action. Interested students will study general concepts used to interpret US government and politics and the analysis of visual data, specific court cases and primary source documents. Students will explore American institutions, groups, beliefs and ideas, along with theoretical perspectives and explanations for various behaviors and outcomes. Students will further develop their argumentative writing skill and design a Civic-based Project to deepen their understanding and involvement in course content assessed on the AP exam. Students will have the opportunity to take the AP exam at the end of the year in order to receive possible college credit with a qualifying grade. Link: [College Board Information](#)
- AP US HISTORY (SST2021-2022)** **1.0 credit, S1 and S2, \$21.95 Student Fee (Wkbook)** **10-12**
Description: AP US History focuses on the development of reading and writing skills through a survey of United States history. AP US History is designed to be the equivalent of a two-semester introductory college or university US History course. We will also focus on test-taking skills in preparation for the AP exam. Students take this exam in May for a chance at college credit with a strong score. Link: [College Board Information](#)
- AFRICAN AMERICAN STUDIES (SST3092)** **0.5 credits, S2** **11-12**
Description: In Cultural Studies electives (African American Studies; US Indigenous Studies), we will critically examine the American experience through the lens of different groups of Americans. African American Studies focuses on grounding students in the art, music, and culture that African Americans have created in response to their historical circumstances throughout American history. Students will act as historians throughout the semester by utilizing primary and secondary sources, as well as their own original writing, to develop a portfolio connecting an art form to African American experiences, themes of the course, and American history at large.
- AMERICA IN CONFLICT-US MIL HIST (SST3041)** **0.5 credits, S1 (ALTERNATING YEARS)** **11-12**
Description: America in Conflict is a survey of US foreign policy during the 20th and 21st centuries, with an emphasis on military engagements. The course will focus on the interaction between society and military institutions, lessons learned from past foreign policy decisions, and how the United States should handle current and future foreign policy issues. Students will use the course content to develop skills in historical research, argumentation, and the reading and interpretation of complex primary sources.
- ECONOMICS (SST3021)** **0.5 credits, S1** **11-12**
Description: The economics course is for upperclassmen that are curious about how money works in the real world. The course overviews a wide variety of economics topics like basics of economic thinking, supply and demand, income inequality, how business and government operate within the economy, international trade, investments, and personal finance. Economics explores these various topics through engaging activities, multiple projects, and a variety of assessments.



Social Studies

EXPLORING WISCONSIN (SST3002) 0.5 credits, S2 11-12

Description: Students will learn about Wisconsin history, geography, and current events in the classroom. Students will literally Explore Wisconsin on their own time through self-directed trips called Sidequests that highlight the natural and cultural history of the Dane/Sauk County area. The course culminates in one or two field trips that highlight key lessons learned in the classroom.

ISSUES IN PSYCHOLOGY (SST2031/2032) 0.5 credits, S1 or S2 10-12

Description: This class is designed to offer students the opportunity to understand the connection of psychology and our lives, with a direct focus on the pursuit of happiness. We will focus on topics such as neurotransmitters and the brain, memory and study strategies, habit formation, as well as social connections. This class will provide an introduction to psychology which may be suited particularly well for students interested in AP Psychology or Sports Psychology.

LAW (SST4011/4012) 0.5 credits, S1 or S2 12

Description: Prepares students for some of the practical legal situations that they will face from the time they graduate through adulthood. Topics include personal finance, contract, and consumer law, introductory Constitutional law (including the US court system), civil law, criminal law, and family law. Students will analyze and apply concepts to a variety of legal situations, and relate legal topics to current situations in the US. Deliberation and communication skills will also be key foci of this course.

MODERN GLOBAL STUDIES (SST2061) 0.5 credits, S1 (ALTERNATING YEARS) 10-12

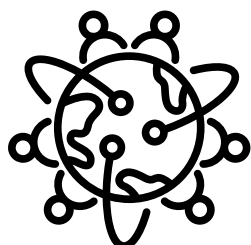
Description: Students will investigate current situations facing our world and evaluate their causes and options for resolution. This course addresses aspects of political science and will have intensive readings and research.

SOCIAL PROBLEMS (SST2071) 0.5 credits, S1 10-12

Description: Social Problems studies the issues people face when interacting with and living amongst one another. Studying Social Problems will give insight into how sociologists study and make conclusions about society and how people function within society. Social Problems also equips students with the skills to make important decisions about issues that are currently facing the United States. Topics include basic sociology, poverty, racial and gender inequality, crime, and drug abuse.

SOCIOLOGY (SST2042) 0.5 credits, S2 10-12

Description: Sociology is the systematic or scientific study of human society and social behavior, from large-scale institutions and mass culture to small groups and individual interactions. Topics of study include social theory, research methods, culture, social structure, socialization, groups, conformity, gender, and deviance. By the end of the course you will be able to think about society and your individual place within it in a new way.



Social Studies

SPORTS PSYCHOLOGY (SST3071/3072)

0.5 credits, S1 or S2

11-12

Prerequisite | Issues in Psychology or AP Psychology

Description: This unique course will provide students with knowledge about psychological factors that affect human performance in sports, exercise, and optimizing human performance in other aspects of students' lives (i.e., work, music, and school). The goal of this course is to not only teach but have students apply psychological scientifically rooted mental skills and training techniques that will enhance and optimize their performance. This course will address the interactions between psychology and performance in the three areas of sports, exercise, and performance psychology which focuses on other professions that demand excellence in psycho motor performance (i.e., performing arts, surgery, firefighting, law enforcement, military operations, etc.) and applying the same underlying psychological skills training as sports and exercise.

US HISTORY (SST2011-2012)

1.0 credit, S1 and S2

10

Description: US History traces the development of the United States from the period of European exploration through the 20th Century. It considers the problems involved in setting up a state sufficiently rigid to withstand changing conditions as well as sufficiently flexible to cope with structural changes in American society. The course emphasizes the importance of the individual today in relation to other members of society, in regard to his/her role in government, and in helping to formulate government policy.

US INDIGENOUS STUDIES (SST3081)

0.5 credits, S1

11-12

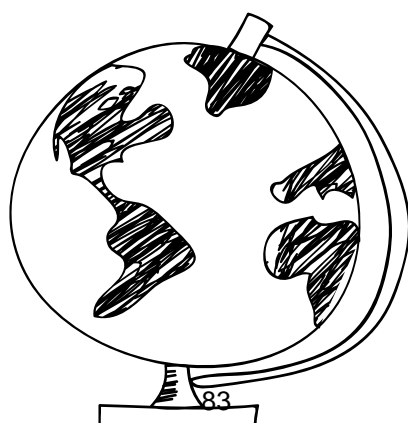
Description: In Cultural Studies electives (African American Studies; American Indian Studies), we will critically examine the American experience through the lens of different groups of Americans. American Indian Studies focuses on grounding students in the unique relationships between American Indian nations and the United States government from the past to the present. Students will act as historians throughout the semester by utilizing primary and secondary sources, as well as their own original writing, to develop a portfolio connecting the experiences of one of the 574 federally recognized American Indian nations to the themes of the course and American history at large.

WORLD HISTORY (SST1011-1012)

1.0 credit, S1 and S2

9

Description: This is a required class for freshmen. The emphasis is on the establishment of civilizations and empires throughout the world. We will study early civilizations in Africa, Asia, the Americas, India, Middle East, and Europe during first semester. Second semester will have a greater focus on classical and medieval civilizations.



Special Services

ENGLISH LANGUAGE LEARNING WORKSHOP 0.25 credits, S1 or S2

9-12

Description: The English Language Learning (ELL) Workshop is designed for beginning (Entering) to advanced intermediate (Expanding) Multilingual Learners (MLs). This course provides a content-based approach to language instruction, integrating English language development with academic content learning. The ELL Workshop also offers direct instruction and targeted practice in writing, supporting students in developing proficiency in academic English.

ENGLISH 9 & ENGLISH 10 WORKSHOP 0.25 credits, S1 or S2

9-10

Description: English 9 Workshop & English 10 Workshop are classes designed to help students be successful in both English class and all literacy-based subjects. Students in high school and college are required to read, analyze, and interpret complex content materials. This class will practice reading strategies, writing strategies, test-taking strategies, and study methods to help them become successful learners. This class depends on students' active participation in class, as well as assists in the application of specific learning strategies in content area classes. Students are generally required or recommended for this course based on several district criteria. Students should approach their English teacher if interested in being in this course.

FRESHMAN ACADEMY 1.0 credit, S1 and S2

9

Prerequisite | 8th Grade Interview & Recommendation

Description: Freshman Academy is a transitional program designed to help students acclimate to high school. The program was developed for students who are engaged in learning but may be struggling with Executive Functioning skills (Flexible Thinking, Working Memory, Self-Monitoring, Planning and Prioritizing, Task Initiation, and Organization). Some students may have anxiety towards school that may have contributed to poor attendance in the past. Students enrolled in Freshman Academy will attend the core subjects (Biology, English 9, World History and Math) with their classmates. Core Subject Teachers will modify the curriculum to meet the needs of the Freshman Academy students. Each day, following the two core subjects, students will attend Freshman Academy. During the Freshman Academy course, both core subject teachers will provide academic support for the students. Instructors will also review a variety of life skills such as organization, time management, motivation, and resilience. Students will also have the opportunity to take 2 elective courses each semester. The 3rd hour Freshman Academy class will act as a Study Hall. Unlike a regular Study Hall in the high school, students in Freshman Academy will earn a half a credit each semester. By the end of their freshman year, students enrolled in Freshman Academy will have the opportunity to earn 8 credits.

HERITAGE BILINGUAL SCIENCE 1.0 credit, S1 and S2

9-12

Description: By recommendation only. This program offers a year of Heritage Bilingual Biology and/or a year of Heritage Bilingual Environmental Science in alternating years for English Language Learners recommended for the program.

MATH WORKSHOP 0.25 credits, S1 or S2

9-12

Description: By recommendation only. Math workshop is a class designed to run parallel to high school math courses. Students enrolling in Algebra, Geometry or Advanced Algebra may be placed in a math workshop by teacher recommendation in addition to their regular math course. Math workshop offers additional instruction and support for students who need additional time to be successful in their math coursework. Math workshop is scheduled during a student's study hall and meets for half of the block.



Teacher Assistants

TEACHER ASSISTANT (TA) OPPORTUNITIES

High school students may request to serve as a Teacher Assistant (TA) with a member of the high school teaching staff. This opportunity replaces a study hall for one semester. Interested students should obtain enrollment information and required documents through the Counseling Office at the beginning of each semester. Teacher Assistant application forms are available in the Counseling Office and are approved based on teacher consent and availability.

Teacher Assistants support their cooperating teacher and the learning environment in a variety of ways. Typical duties may include assisting with classroom organization and preparation, helping manage instructional materials, supporting individual or small groups of students, assisting with technology or classroom resources, completing clerical or organizational tasks, and observing instructional practices. Duties vary by classroom and are designed to provide students with meaningful experience in responsibility, communication, and professionalism within an educational setting.

TEACHER ASSISTANT COURSE DESCRIPTIONS

ART LAB ASSISTANT **0.25 credits, S1 or S2** **10-12**

Description: This course is designed for the student who is interested in working with the art teacher by completing tasks such as making copies and putting up art displays as well as working on miscellaneous projects related to art. Assistant application forms are available in the counseling office and approved based on teacher consent and availability.

BUSINESS EDUCATION LAB ASSISTANT **0.25 credits, S1 or S2** **10-12**

Description: Students wishing to advance their computer and/or business skills will aid the Business Education staff with various projects using class-related skills. Projects may involve communication with staff, students and parents. Students will adhere to policies and procedures when using resources such as network access and email accounts. Assistant application forms are available in the counseling office and approved based on teacher consent and availability.

KOKOPELLI KAFE TEACHING ASSISTANT **0.5 credits, S1 or S2** **11-12**

Description: Student teaching assistants will work closely with peers with disabilities to operate the school-based coffee shop. Ability to effectively communicate with staff and students, exhibit positive customer relations and be a positive role model is essential.

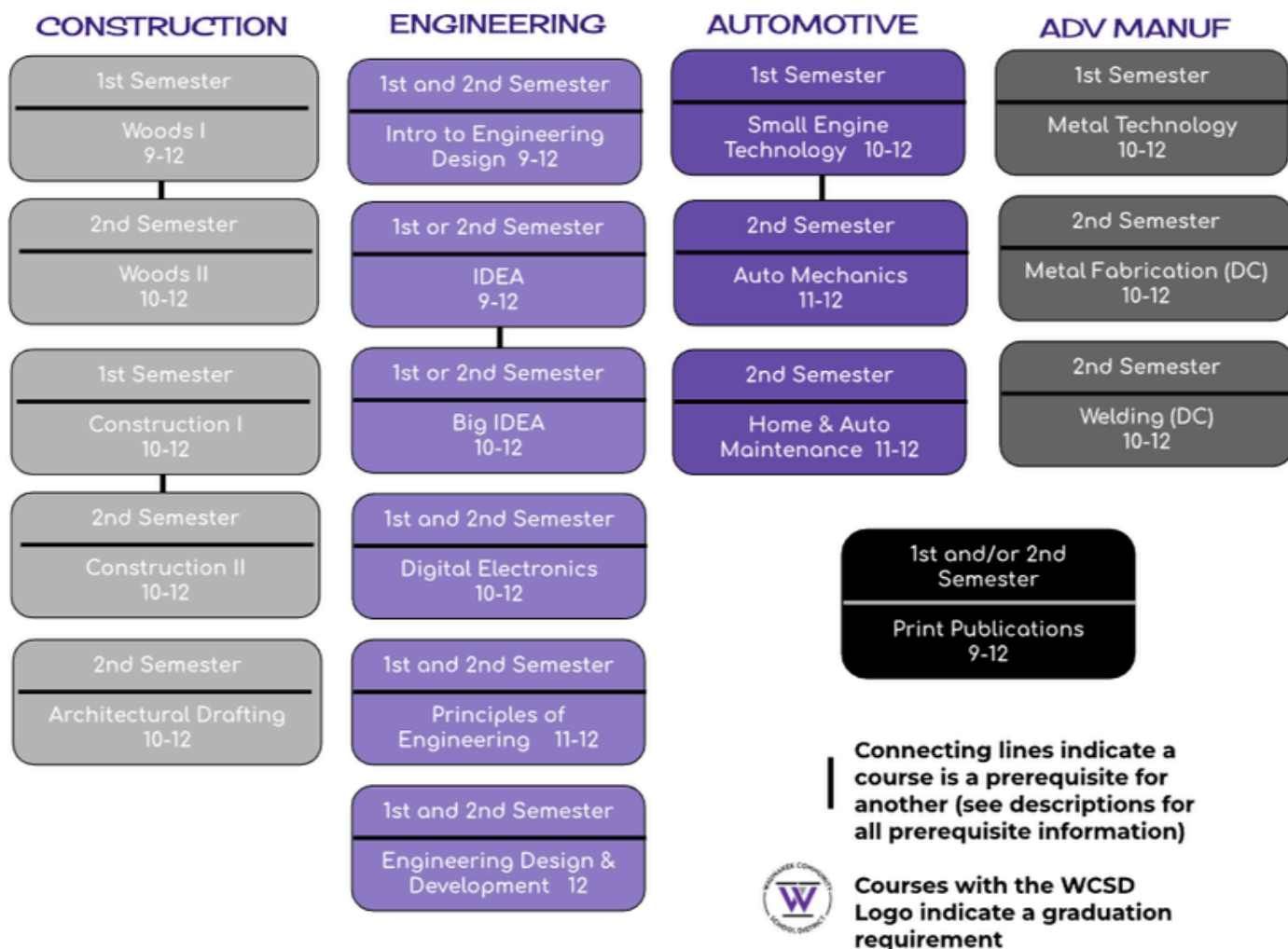
SCIENCE LAB ASSISTANT **0.25 credits, S1 or S2** **10-12**

Description: Students wishing to advance their computer and/or business skills will aid the Business Education staff with various projects using class-related skills. Projects may involve communication with staff, students and parents. Students will adhere to policies and procedures when using resources such as network access and email accounts. Assistant application forms are available in the counseling office and approved based on teacher consent and availability.

Teaching assistant opportunities are available across all departments, although only a limited number of departments have submitted specific position descriptions.



Technology & Engineering Education



ARCHITECTURAL DRAFTING (TEE2012) 0.5 credits, S2 10-12

Description: Do you have an interest in design? Are you interested in how houses are structurally designed and created? Architectural drafting is a course that allows you to learn about the design and structural aspects of a residential house. Through the course, you'll understand how a house is planned and what makes a house functional and aesthetically pleasing. This course involves the designing and constructing of a complete set of architectural plans for a given residence house using AutoCad/Revit Software. This class is ideal for any student that is pursuing a career in the field of engineering design or construction pathway. The knowledge gained from this course will be helpful with any field of study for the above pathways. The main topics for the class include the history of architecture, room orientation and layout, aesthetic composition of residential house, blue print reading and creation and foam core modeling. Students interested in pursuing a construction, architecture, or civil engineering career path may consider taking prep trades and/or construction trades as well.

AUTO MECHANICS (TEE3062) 0.5 credits, S2 11-12

Prerequisite | Small Engine Technology

Description: This course will concern itself with the technology and systems found in the modern automobile. Besides automobile engine (expanding on what was covered in Small Engine Technology) the braking systems, drive train, suspension, and accessory systems will be covered. Students will perform work on automobiles engines and components found in the shop. This course is intended to give students a foundation to perform routine auto maintenance. Units of Study include: Basic Maintenance; Braking System; Drive Train; Suspension System; Electronic System; Ignition System; and Power Train.



Technology & Engineering Education

BASIC HOME & AUTO MAINTENANCE (TEE2062) 0.5 credits, S2, \$10 Student Fee

11-12

Description: Do you have an interest in design? Are you interested in how houses are structurally designed and created? Architectural drafting is a course that allows you to learn about the design and structural aspects of a residential house. Through the course, you'll understand how a house is planned and what makes a house functional and aesthetically pleasing. This course involves the designing and constructing of a complete set of architectural plans for a given residence house using AutoCad/Revit Software. This class is ideal for any student that is pursuing a career in the field of engineering design or construction pathway. The knowledge gained from this course will be helpful with any field of study for the above pathways. The main topics for the class include the history of architecture, room orientation and layout, aesthetic composition of residential house, blue print reading and creation and foam core modeling. Students interested in pursuing a construction, architecture, or civil engineering career path may consider taking prep trades and/or construction trades as well.

BIG IDEA (TEE1051/1052)

0.5 credits, S1 or S2, \$25 Student Fee

10-12

Prerequisite | IDEA

Description: BIG IDEA picks up where IDEA leaves off. Students looking to continue the exploration of Digital Fabrication and use of technology should sign up for this course. In BIG IDEA students will learn more in depth skills revolving around the equipment in the Innovation Center in addition to electronics production, embroidery and screen printing. Students will have an opportunity to take the skills learned in IDEA and build on them exploring projects of their choosing. Individually chosen projects will be a cornerstone of this class. Students who successfully complete IDEA + BIG IDEA may use these classes in place of PLTW classes to enter the senior capstone Engineering Design and Development class their senior year.

CONSTRUCTION I (TEE2031)

0.5 credits, S1, \$25 Student Fee

10-12

Description: Are you looking for a course that not only offers some of the most practical knowledge in school but also gives you experience in many different construction trades? If so, make certain your plans include Construction I, a course designed to teach you about the many different skills, facts, and trades involved in the construction of a home. You will receive basic training in concrete flat work and masonry work, rough and finish carpentry, layout, electrical wiring and much more. If you are not certain about your career or if you are thinking about building your own home someday, this course is a first step must. Instructor approval is required for students who have not taken previous industrial education courses; however, students with previous industrial education will be given top priority. Students will work in teams to build a full scale model of a house using actual house plans and complete unit projects in other major areas of construction trades.

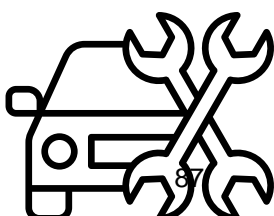
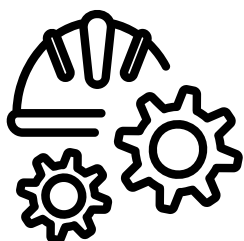
CONSTRUCTION II (TEE2132)

0.5 credits, S2, \$25 Student Fee

10-12

Prerequisite | Construction I

Description: Do you have any interest in understanding how a residential house is constructed? Construction II offers an opportunity for students to explore the different skills and trades that are associated with building a residential house. Students will work on modules that represent all aspects of a residential house. Students will also have the opportunity to earn an industry recognized certification, OSHA 10. Units of study will include Blueprint Reading, Roof Construction, Exterior Finishing, Drywall, Electrical, Plumbing, and Project Estimation.



Technology & Engineering Education

DIGITAL ELECTRONICS (TEE2071-2072)

1.0 credit, S1 and S2

10-12

Description: Digital Electronics (DE) is a high school level course that is appropriate for 10th grade, or higher, students who are interested in design and engineering. From smart phones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. Digital Electronics gives students the opportunity to develop skills and understanding of course concepts through activity, project-, and problem-based learning. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. Students who successfully complete semesters 1 & 2 may be eligible to receive technical college or university credit for this course. Credit award, if any, is determined by each university or technical college.

ENGINEERING DESIGN & DEV (TEE4011-4012) 1.0 credits, S1 and S2

12

Prerequisite | 4 Semesters of PLTW Coursework OR IDEA & Big IDEA

Description: Students taking EDD must have successfully completed 4 semesters of the Project Lead the Way basic courses (IED, POE &/or DE) OR successfully completed both IDEA and Big IDEA with a letter grade of B or better to be eligible to take this course. This course is a senior design course and is run much like an independent study in which a team of 2-3 students complete the entire engineering design process from problem identification to solution of that problem. This may be a brand new invention or an innovation on a current product. Students will research, design, and build a real life prototype of their new product. Students are required to be entered into the state PLTW design competition and give a product presentation at the end of the year to successfully complete this course. Units of Study include: Problem Identification, Research, Decision Process, Design, Build, Test, and Presentation.

IDEA (TEE1041/1042)

0.5 credits, S1 or S2, \$25 Student Fee

9-12

Description: Do you want to use state-of-the-art equipment to design, build, and test almost anything you can dream of? Would you like to develop the technological, problem-solving, and hands-on skills desired by employers? If your answer is yes, then this course is for you. In IDEA, computer-controlled fabrication technologies such as 3D printers, CNC routers, vinyl cutters, and milling machines will be used to transform a product idea into its tangible form. Students will explore many interrelated career fields, including engineering, science, math, art, graphic design, computer aided design, electronics, and entrepreneurship.

INTRO TO ENGINEERING DESIGN (TEE1011-1012) 1.0 credit, S1 and S2

9-12

Description: Introduction to Engineering Design (IED) is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based learning. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. Students who successfully complete semesters 1 & 2 may be eligible to receive technical college or university credit for this course. Credit awarded, if any, is determined by each university or technical college.



Technology & Engineering Education

METAL FABRICATION (DC) (TEE2142)

0.5 credit, S2, \$20 Student Fee

10-12

Prerequisite | Metal Technology

Description: Metal Fabrication introduces students to the fundamentals of metal cutting and forming. Emphasis is placed on safety, basic layout techniques, bending calculations, and the operation of cutting/forming equipment through hands-on, project-based, instruction. As a Metal Fabrication student, you will:

- Learn the basics of cutting, forming and joining common manufacturing materials.
- Use a variety of manual and programmable equipment techniques and processes.
- Develop your technical knowledge of blueprint reading, layout metal fabrication and welding.
- Produce fabricated assemblies and detailed drawings that conform to industry quality-control methods and standards.

This course is offered as a dual-credit option with Madison College.

METAL TECHNOLOGY (TEE2041)

0.5 credits, S1, \$20 Student Fee

10-12

Description: Any student considering a career in metal fabrication or repair should consider this course a must. Today's technicians at all levels who lack the knowledge of stick and wire feed welding are at a great disadvantage. Students in this course will learn through classroom discussion and hands-on practice with stick, wire (MIG), and TIG welding, basic lathe operations, tap and die, CNC, grinding, and other basic metalworking principles. Students will then use their new skills to design and build a project of their own. Any students in grades 10-12 who are looking for a good practical course or a possible career are encouraged to sign up for this course.

PRINC OF ENGINEERING (TEE3011-3012) 1.0 credit, S1 and S2, Equivalency Science Credit (ES)

11-12

Prerequisite | Geometry

Description: Science credit is awarded for successful completion of this course as it is recognized as a science equivalency by the Wisconsin Department of Public Instruction as a third science credit. Please note that a maximum of 1.0 science credit may be earned from all (ES) courses completed. Students who successfully complete both semesters may be eligible for college and/or technical school credit based on their score on the PLTW final exam. Any student planning on pursuing an engineering career should take this course. This course is lab based and conveys the concepts and principles of the engineering field. Students will be able to combine math and science skills to create practical, working solutions to real-life problems. Units of Study include: Energy and Power, Materials and Structures, Control Systems, and Statistics and Kinematics.

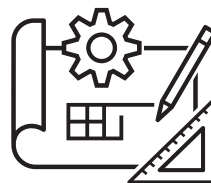
PRINT PUBLICATIONS (TEE1101/1102)

0.5 credits, S1 and/or S2

9-12

Description: In this fast-paced class the Print Publications staff learns about and produces the school's annual yearbook "Whipurwauna" and the monthly news publication, The Purple Sage. Students will learn Photography, Basic Design, Page Layout, Press Law, and Production Skills as well as 21st Century Technology skills. Students work cooperatively to decide content and produce the school yearbook and newspaper during class. Students who are interested in writing, editing, design, art, photography, and social media/print production are strongly encouraged to take this class. Print Publications may be taken multiple years. This class is recommended for extremely creative and talented 9-12 graders who want to leave their fingerprint on their school by working on award winning publications that will live on long after graduation. This class is a semester-long class and students may add this class both semester if their schedule permits enrolling for the entire year.

#yearbook

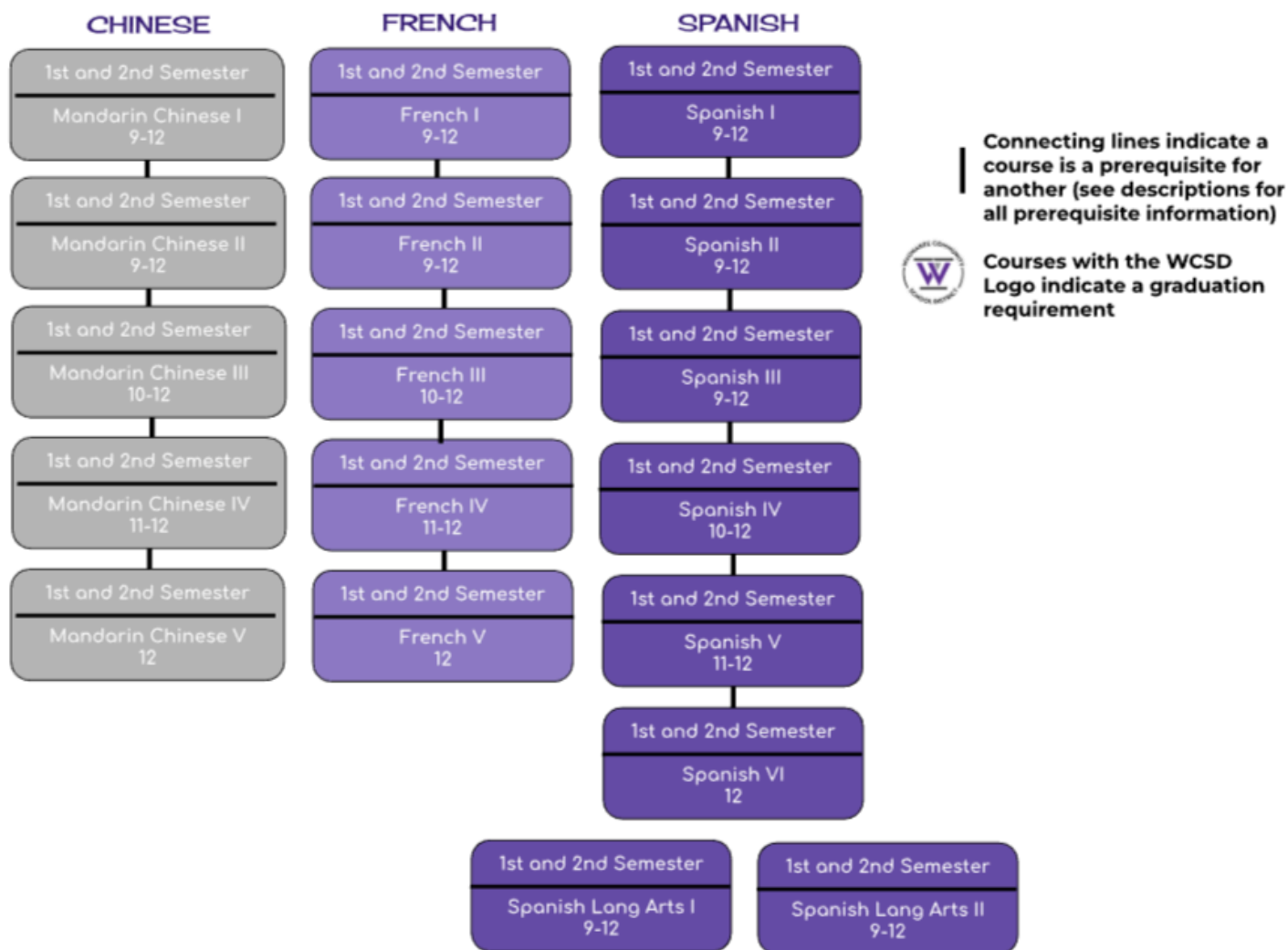


Technology & Engineering Education

- SMALL ENGINE TECHNOLOGY (TEE2051)** **0.5 credits, S1** **10-12**
Description: Small Engine Technology is an exploratory course for students interested in the technology involved in the transportation industry and its career pathways. Students will learn the basics of small engine operation and be able to identify industry standards. Students will be able to demonstrate the ability to take apart, tune up, maintain, repair, and rebuild small engines. During this hands-on course, students will disassemble, inspect, and then reassemble a 4-stroke engine while learning about the construction operation and maintenance of engines. The course is aligned with the Briggs & Stratton online curriculum. After learning about the engines, students will be required to bring in 1-2 small engines to perform standard small engine tune-up. Small engine equipment may be available to those students who need them.
- WELDING (DC) (TEE2102)** **0.5 credits, S2, \$20 Student Fee** **10-12**
Prerequisite | Metal Technology
Description: Students in Welding will develop solid hands-on skills, as well as a good understanding of the following welding processes through project-based activities:
- Advanced Gas Metal Arc (GMAW)
 - Shielded Metal Arc Welding (SMAW)
 - Gas Tungsten Arc Welding (GTAW)
 - Fluxed-Core Arc Welding (FCAW)
- Coursework will consist of classroom discussions, reading assignments, test/quizzes, as well as hands-on projects. All welding competencies will be evaluated using American Welding Society (AWS) Structural Steel. This course is offered as a dual credit option for SMAW or GMAW welding processes through Madison College.
- WOODS I (TEE1081)** **0.5 credits, S1, \$40 Student Fee** **9-12**
Description: Do you have an interest in fine woodworking skills and the equipment used to make these types of projects? Woods I will teach you the correct fundamental skills to safely use both hand and power tools while you learn basic skills of fine woodworking. Students will learn proper woodworking methods including designing and layout, selection of materials, machining procedures, joint construction, and finishing concepts. Students will be required to design, plan, and create one project of their own choice towards the end of 1st semester. This class is highly recommended for any student who has an interest in a designing or construction pathway. Units of Study include: Safety, Joinery, Finishing, Design Techniques, Blue Print Planning & Construction, Project Procedural Outline, Board Foot Calculation, and Basic Linear Measurement.
- WOODS II (TEE2082)** **0.5 credits, S2, \$40 Student Fee** **10-12**
Prerequisite | Woods I
Description: Do you want to learn more about cabinet work and interior furniture? Woods II is a class in which we take an in-depth look at how kitchen cabinets and interior furniture is designed and constructed. Through a standard class project, students will learn how to create cabinet doors, install and create cabinet drawers, laminate a counter top, various fastening methods, along with the finishing process. Students will also perform routine maintenance on all fine wood-working equipment. Students will be responsible for designing, constructing, and finishing a project that accurately reflects the concepts that were learned through standard class project. A student who has an interest in design or construction, specifically the field of finish carpentry should consider taking this class. Students interested in pursuing a construction career path may consider taking prep trades and construction trades as well. Units of Study include: Safety, Equipment Maintenance, Cabinet Construction, Finishing Techniques, Precision Measurement Tools, Laminate Processes, Blue Print Design, and Project Estimation. Note: The base supply fee of \$40 covers standard projects; individual student project supply costs will vary.



World Language



FRENCH I (WLA1111-1112)

1.0 credit, S1 and S2

9-12

Description: Focus on communicating in French on introductory topics with comparisons to the French-speaking world.

FRENCH II (WLA1121-1122)

1.0 credit, S1 and S2

9-12

Prerequisite | French I

Description: Continue building on reading, writing, listening, and speaking in French through cultural exploration of the Francophone world, with an emphasis on France.

FRENCH III (WLA2111-2112)

1.0 credit, S1 and S2

10-12

Prerequisite | French II

Description: Students improve their proficiency in spoken and written French, and deepen their listening and reading comprehension skills, through further exploration of the Francophone world.

FRENCH IV (WLA3111-3112)

1.0 credit, S1 and S2

11-12

Prerequisite | French III

Description: Students will listen, read, write, and speak predominately in French to further deepen their language proficiency and cultural competence. Grammar skills are emphasized to support greater proficiency and lay the foundation for success in French 5 (dual credit).

World Language

FRENCH V (DC) (WLA4111-4112)

1.0 credit, S1 and S2

12

Prerequisite | French IV

Description: Description: Improve proficiency while studying the French-speaking world. CAPP (college credit) is an OPTION for this course, not a requirement. Qualified juniors and seniors may earn 5 college credits through CAPP. An additional 11 credits may be earned retroactively upon enrollment in the UW system if a grade of 83% or better is earned when the two semesters are averaged together. Additional four-year universities may offer retroactive credit, please check with the individual university. All dual credit options are dependent upon appropriate teacher certification and may change with changes in staffing. Find more information about this dual-credit option through UW-Oshkosh CAPP. Cost of tuition paid by the student/student family. Tuition is charged by UW-Oshkosh for students who enroll in the courses and choose the CAPP option.

MANDARIN CHINESE I (WLA1211-1212)

1.0 credit, S1 and S2

9-12

Description: In Mandarin Chinese I, students will learn Chinese language for specific purposes in a variety of situations with ever-increasing linguistic and cultural accuracy. Students will begin learning both spoken and written aspects of the language. As written Chinese is very different from English, a good amount of time will be spent learning the foundation of written language within the context of the spoken language. Students will learn culturally relevant information about various themes and be able to talk about them in different ways. Students will begin to acquire cultural knowledge and culturally appropriate interaction skills essential for basic communication and begin to develop real-life uses for Chinese within the community. Students will develop insights into their own language and culture through linguistic as well as cultural comparisons with the Chinese language and culture. Students will become aware of the use of Chinese in their community and will access Chinese cultural learning material through technology. Students should expect to actively participate and to have daily homework to practice their skills, frequent quizzes, and performance assessments in all skills: listening, speaking, reading, and writing.

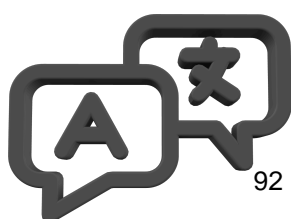
MANDARIN CHINESE II (WLA1221-1222)

1.0 credit, S1 and S2

9-12

Prerequisite | Mandarin Chinese I

Description: Mandarin Chinese II is a continuation of Mandarin Chinese level I where students will further develop their skills in listening, reading, speaking, and writing with an emphasis on communication skills in "real world" situations in greater depth. This year students will become more capable of using their own language skills in various situations with increased complexity. Students will continue to focus on developing verbal and written skills through a variety of activities and projects. The theme of level two is "empowering". Students will learn culturally relevant information with the theme of "being empowered" and will be able to talk about them in different ways. Students will begin to acquire cultural knowledge and culturally appropriate interaction skills essential for basic communication and begin to develop real-life uses for Chinese within the community. Students will develop insights into their own language and culture through linguistic as well as cultural comparisons with the Chinese language and culture. Students will become aware of the use of Chinese in their community and will access Chinese cultural learning material through technology. Students should expect to actively participate and to have daily homework to practice their skills, frequent quizzes, and performance assessments in all skills: listening, speaking, reading, and writing.



Bonjour



World Language

MANDARIN CHINESE III (WLA2211-2212)	1.0 credit, S1 and S2	10-12
Prerequisite Mandarin Chinese II		
Description: Mandarin Chinese III is a continuation of Mandarin Chinese level II where students will further develop their skills through listening, reading, speaking, and writing with an emphasis on communication skills in “real world” situations in greater depth. This year students will become more capable of using their own language skills in various situations with increased complexity. Students will continue to focus on developing verbal and written skills through a variety of activities and projects. The theme of level three is "the thinker." This year students will learn about Chinese philosophies and how they connect to themselves and to the world. Students will learn culturally relevant information through texts that include moral and philosophical thought and will be able to talk about them in different ways. Students will begin to acquire cultural knowledge and culturally appropriate interaction skills essential for basic communication and begin to develop real-life uses for Chinese within the community. Students will develop insights into their own language and culture through linguistic as well as cultural comparisons with the Chinese language and culture. Students will become aware of the use of Chinese in their community and will access Chinese cultural learning material through technology. Students should expect to actively participate and to have daily homework to practice their skills, frequent quizzes and performance assessments in all skills: listening, speaking, reading, and writing.		
MANDARIN CHINESE IV (WLA3211-3212)	1.0 credit, S1 and S2	11-12
Prerequisite Mandarin Chinese III		
Description: This course builds on language skills developed in Mandarin Chinese I, II, and III. The course will complete and review basic grammar and key sentence patterns of Chinese, provide practice in the appropriate use of idiomatic expressions, and further develop skill in reading and writing Hanzi (Chinese characters). It will also build vocabulary, expand reading comprehension, and encourage extensive conversation in Chinese. It will cover additional aspects about Chinese culture and history.		
MANDARIN CHINESE V (WLA4211-4212)	1.0 credit, S1 and S2	12
Prerequisite Mandarin Chinese III		
Description: Based on Mandarin Chinese IV, this course continually improves students' reading, writing, speaking, and listening skills, with extra emphasis placed on speaking and writing proficiency. It also intends to deepen students' knowledge of Chinese language, culture and history.		
SPANISH I (WLA1011-1012)	1.0 credit, S1 and S2	9-12
Description: Focus on communicating in Spanish about topics that are relevant to students and their lives. Cultural comparison with Mexico.		
SPANISH II (WLA1021-1022)	1.0 credit, S1 and S2	9-12
Prerequisite Spanish I		
Description: Continue building skills of reading, writing, listening, and speaking in Spanish through a focus on Spain.		
SPANISH III (WLA1031-1032)	1.0 credit, S1 and S2	9-12
Prerequisite Spanish II		
Description: Students improve their proficiency in the language by applying it in a variety of ways. Cultural focus in South America.		
SPANISH IV (WLA2011-2012)	1.0 credit, S1 and S2	10-12
Prerequisite Spanish III		
Description: Tour the Caribbean and explore issues Latinos face. Read, write, speak, and listen predominately in SPANISH!		



World Language

SPANISH V (DC) (WLA3011-3012)

1.0 credit, S1 and S2

11-12

Prerequisite | Spanish IV

Description: Improve proficiency while studying the Spanish-speaking world. CAPP (college credit) is an OPTION for this course, not a requirement. Qualified juniors and seniors may earn 5 college credits through CAPP. An additional 11 credits may be earned retroactively upon enrollment in the UW system if a grade of 83% or better is earned when the two semesters are averaged together. Additional four-year universities may offer retroactive credit, please check with the individual university. All dual credit options are dependent upon appropriate teacher certification and may change with changes in staffing. Find more information about this dual-credit option through UW-Oshkosh CAPP. Tuition is charged by UW-Oshkosh for students who enroll in the courses and choose the CAPP option.

SPANISH VI (DC) (WLA4011-4012)

1.0 credit, S1 and S2

12

Prerequisite | Spanish V

Description: An advanced grammar, literature, composition, and conversation course situated in the Spanish-speaking world. CAPP (college credit) is an OPTION for this course, not a requirement. Qualified seniors may earn 5 college credits through CAPP. To receive CAPP credit for Spanish VI, Spanish V for CAPP credit must have been successfully completed. All dual credit options are dependent upon appropriate teacher certification and may change with changes in staffing. Find more information about this dual-credit option through UW-Oshkosh CAPP. Tuition is charged by UW-Oshkosh for students who enroll in the courses and choose the CAPP option.

SPANISH LANG ARTS I (WLA1051-1052)

1.0 credit, S1 and S2

9-10

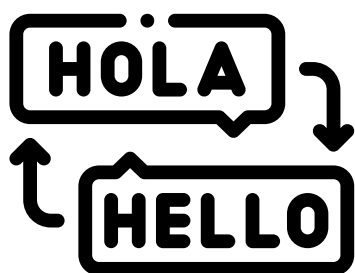
Description: (Formerly Spanish for Heritage Speakers). This course is designed to help freshman and sophomore heritage and native Spanish/English speakers develop both language and cultural bi-literacy in an environment where students' background knowledge and personal experiences are valued and utilized. Students will refine their communication skills with project based activities based on themes and individual goals. Prerequisites: Advanced fluency in oral Spanish and desire to become bi-literate. This course may be repeated.

SPANISH LANG ARTS II (WLA3051-3052)

1.0 credit, S1 and S2

11-12

Description: This course is designed to help junior and senior heritage and native Spanish/English speakers develop both language and cultural bi-literacy in an environment where students' background knowledge and personal experiences are valued and utilized. Students will refine their communication skills with project based activities based on themes and individual goals. Prerequisites: Advanced fluency in oral Spanish and desire to become bi-literate. This course may be repeated.



Programs of Study

The modernized Framework reflects the needs of both employers and learners. With its industry-centered language, purpose-driven groupings, interdisciplinary nature, and inclusion of all aspects of the modern world of work, the Framework seeks to transform career readiness in CTE and beyond. When its innovations are fully implemented, the Framework has the potential to transform:

- Pathways to be more personalized and better meet the needs of learners, industry, and communities.
- Systems by breaking down silos between sectors, disciplines, and systems.
- Lives by preparing learners of all ages and backgrounds for dynamic and high-opportunity careers

Source: [Advance CTE](#), December 2025

Transition to a New Framework



Advanced Manufacturing

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

ENGINEERING PATH

IDEA, Big IDEA, Intro to Engineering Design, Digital Electronics, Principles of Engineering, Engineering Design & Development

INDUSTRIAL MACHINERY PATH

Metal Technology, Metal Fabrication, Welding, IDEA, Big IDEA, Woods I & II, Ag Machine & Building, Computer Science I and II, Chemistry

PRODUCTION & AUTOMATION PATH

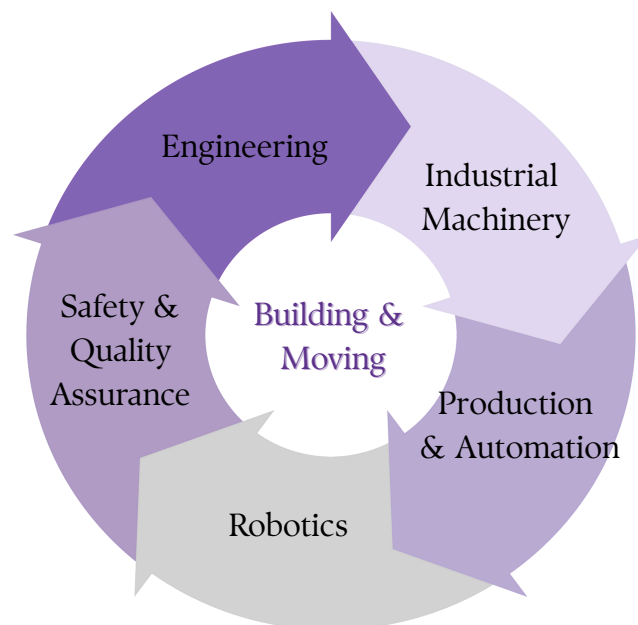
Metal Technology, Metal Fabrication, Welding, IDEA, Big IDEA, Digital Electronics, Computer Science I and II, Chemistry

ROBOTICS PATH

IDEA, Big IDEA, Digital Electronics, Computational Thinking, Computer Science I & II, AP Comp Sci Principles - Cybersecurity, AP Comp Sci A, FST, AP Calculus, Chemistry

SAFETY & QUALITY ASSURANCE PATH

Intro to Engineering Design, MS Office for Bus Apps (DC), Marketing 1 (DC), Management & Ethics, Computer Science I & II, Chemistry



The Advanced Manufacturing Career Cluster blends innovative technologies and practices to enhance design and production. It covers areas such as engineering, research and development, automation and artificial intelligence, equipment maintenance, safety protocols, and quality control. This Cluster aims to increase efficiency, reduce waste, ensure safety, and produce high-quality goods, driving the industry's growth and adapting to modern demands.

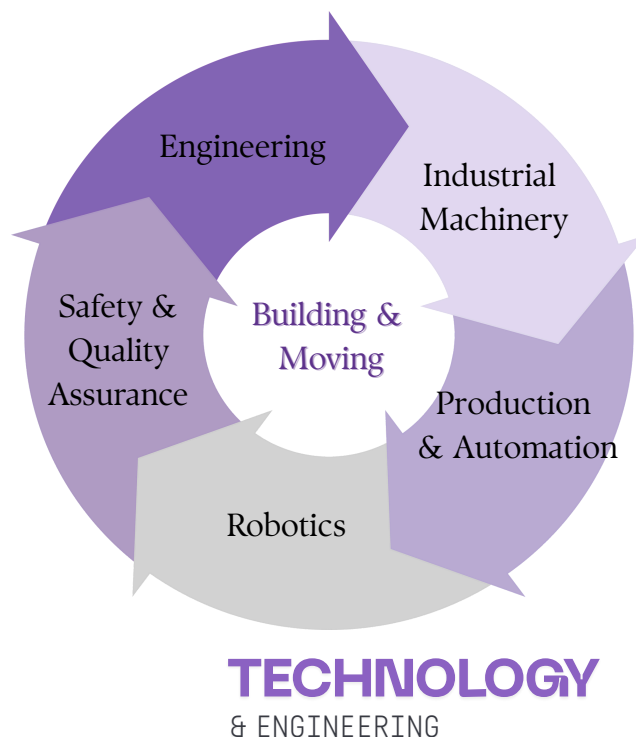
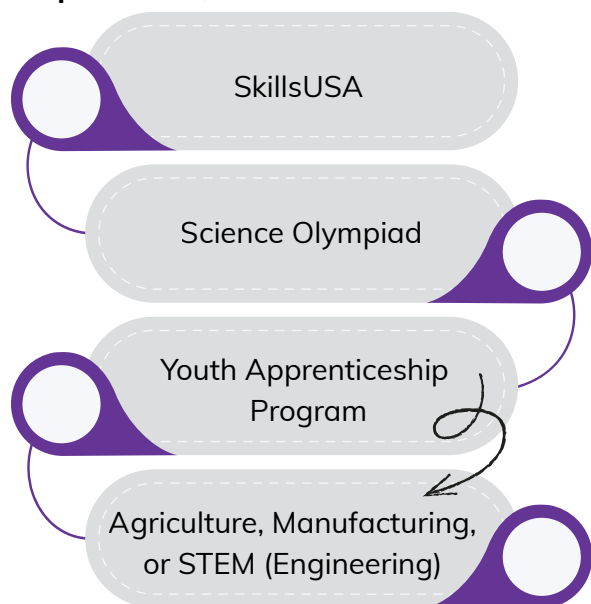
WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

RECOMMENDED FOR ALL ADVANCED MANUFACTURING PATHS

- Concepts of Entrepreneurship (DC)
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- Advanced Algebra, Geometry, Intro to Stats/ AP Statistics, Pre-Calculus (for any degree that requires Calculus)
- Physics, Physics II
- Economics/AP Economics, AP US Government & Politics, Exploring Wisconsin, Issues in Psych
- 2 years of any language

Advanced Manufacturing

Recommended Student Organizations, Career Experiences, and Work Based Learning



Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Advanced Fabrication
- Advanced Industrial Maintenance
- Advanced Manufacturing Tech
- Advanced Pipe Welding
- Appliance Technician
- Automated Manufacturing Tech
- Automation Engineering Tech
- Basic Machining
- CAD Technician
- CNC Operator
- Electrical Maintenance
- Flux Cored Arc Welding
- Gas Metal Arc Welding
- Industrial Engineering
- Industrial Maintenance Mechanic
- Industry 4.0 Applications
- Intro to CNC Milling
- Intro to Industrial Welding
- Intro to Precision Machining
- Machine Repair Apprentice
- Machine Tool Operation
- Maintenance Technician
- Manufacturing Fundamentals
- Marine Systems
- Mechanical CAD Drafting
- Mechatronics Specialist
- Metal Fabrication
- Quality Control Technology
- Robotic Weld Technician
- Tool and Die Making
- Welding Technician
- Woodworking Technology

For a comprehensive list and detailed information, visit [WTCS Manufacturing Program](#)

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Applied Engineering Technology Management
- Automation Leadership
- Advanced Automation & Robotics
- Assistive Systems and Robotics Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Engineering Technology Management
- Industrial & Systems Engineering
- Manufacturing Engineering Systems
- Manufacturing Engineering
- Mechanical Engineering
- Plastics Engineering
- Production & Manufacturing Management
- Quality Management

97

For a comprehensive list, visit [UW-Help Manufacturing Program](#)



Agriculture

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

AGRIBUSINESS PATH

Ag Business, Ag Machine & Building, Accounting (DC), MS Office for Business Applications (DC), Concepts of Entrepreneurship (DC), Marketing 1 (DC)

AG TECH & AUTOMATION PATH

Ag Machine & Building, Metal Technology, Metal Fabrication, Welding, Basic Home & Auto Maintenance, Small Engine Tech, Auto Mechanics, IDEA, Big IDEA

ANIMAL SYSTEMS PATH

Intro to Ag, Animal Science, Livestock & Equine Management, Vet Science, Small Animal & Pet Care, Biotech Career Apps (DC), Biotechnology (DC), Medical Terminology (DC), AP Biology

FOOD SCIENCE & PROCESSING PATH

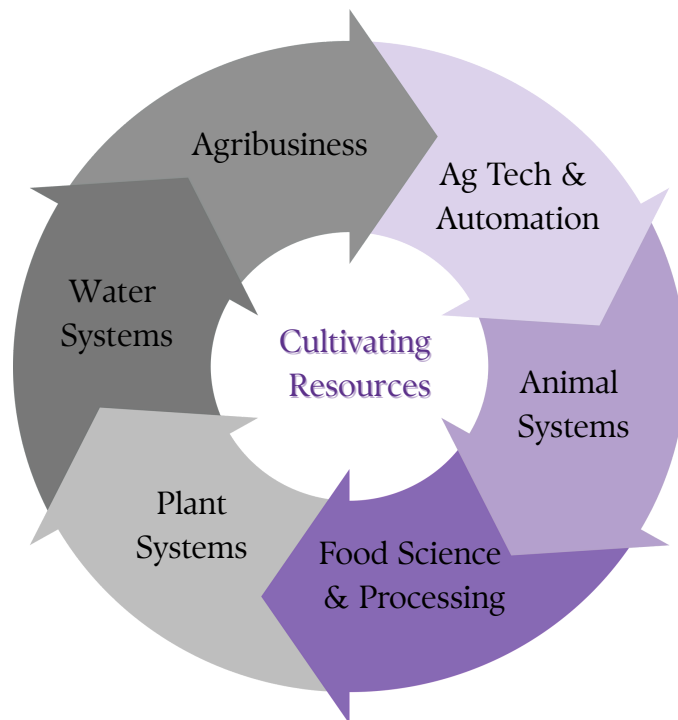
Food Science, Biotech Career Apps (DC), Biotechnology (DC), Any Culinary Class

PLANT SYSTEMS PATH

Intro to Agriculture, Natural Resources I, Natural Resources II, Plant Science, Landscaping Design, Ecology I and II

WATER SYSTEMS PATH

Natural Resources I, Natural Resources II, Biotech Career Apps (DC), Biotechnology (DC), Ecology I and II



The Agriculture Career Cluster concentrates on scientific advancement of agriscience, cultivation, processing, and distribution of agricultural products, employing advanced technologies and sustainable practices to optimize global food systems. This Cluster also supports other plant- and animal-based industries including regenerative agriculture, sustainable logging, and fisheries. This Cluster has meaningful connections with the Energy and Natural Resources Cluster, highlighting a symbiotic relationship that emphasizes stewardship and resilient communities.

WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

RECOMMENDED FOR ALL AG PATHS

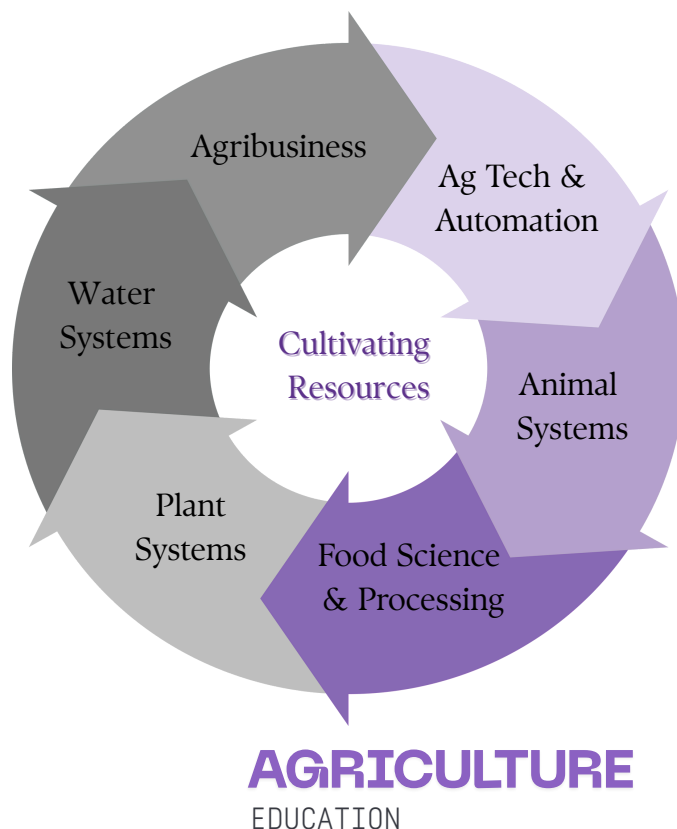
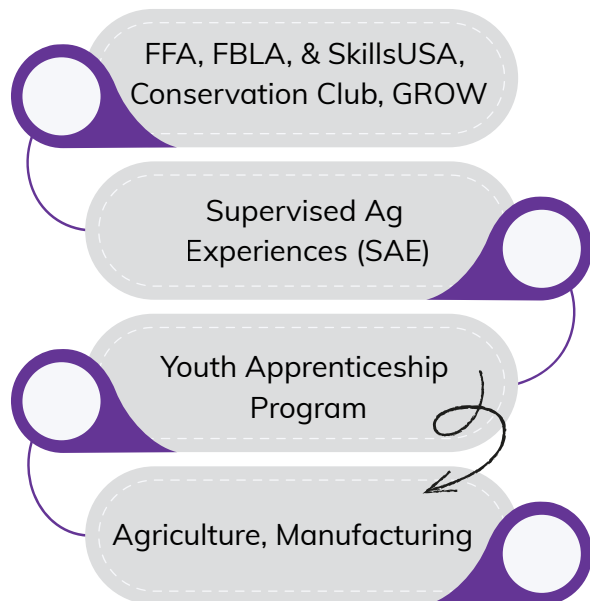
- Any Agriculture Class
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- Intro to Stats/AP Statistics
- Exploring Wisconsin, Economics/AP Economics, Social Problems, Modern Global Studies, AP US Government & Politics
- 2-3 years of any language

98



Agriculture

Recommended Student Organizations, Career Experiences, and Work Based Learning



Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Agribusiness Agronomy Technician
- Agribusiness Science & Technology
- Agricultural Equipment Technology
- Agricultural Power & Equipment Tech
- Agronomy Management
- Animal Science
- Arborist Technician
- Crops and Soil Technician
- Dairy and Livestock Technician
- Dairy Automation
- Dairy Business Management
- Dairy Herd Management
- Dairy Science Management
- Environmental Engineering Tech
- Environmental Health & Water Quality Tech
- Equine Fundamentals
- Farm Business & Production Management
- Garden to Market Specialist
- Greenhouse Operations
- Horticulture/Landscape Specialist
- Landscape Horticulture
- Landscape, Plant, & Turf Management
- Precision Ag Technology
- Sustainable Food & Ag Systems
- Utility Tree Trimmer
- Vet Assistant
- Vet Technician

For a comprehensive list and detailed information, visit [WTCS Agriculture Program](#)

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Agricultural and Applied Economics
- Agricultural Business Management
- Agricultural Engineering
- Agroecology
- Agronomy
- Animal and Veterinary Biosciences
- Animal Science
- Dairy and Food Animal Management
- Dairy Science
- Farm and Industry Short Course
- Horticulture
- Nutritional Sciences
- Organic Agriculture
- Plant Pathology
- Plant Science & Technology
- Soil and Crop Science

99

For a comprehensive list, visit [UW-Help Agriculture Program](#)



Arts, Entertainment, & Design

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

DESIGN & DIGITAL ART PATH

Photoshop, Photoshop II, Graphic Design, Drawing & Printmaking, Print Publications, Game Design, Video Editing & Digital Design

FASHION & INTERIORS PATH

Fashion & Fabrics, Creative Fashions, Interior & Housing Services, Arch Drafting

FINE ARTS PATH

Any Art Class, Any Music Class

LIGHTING & SOUND TECH PATH

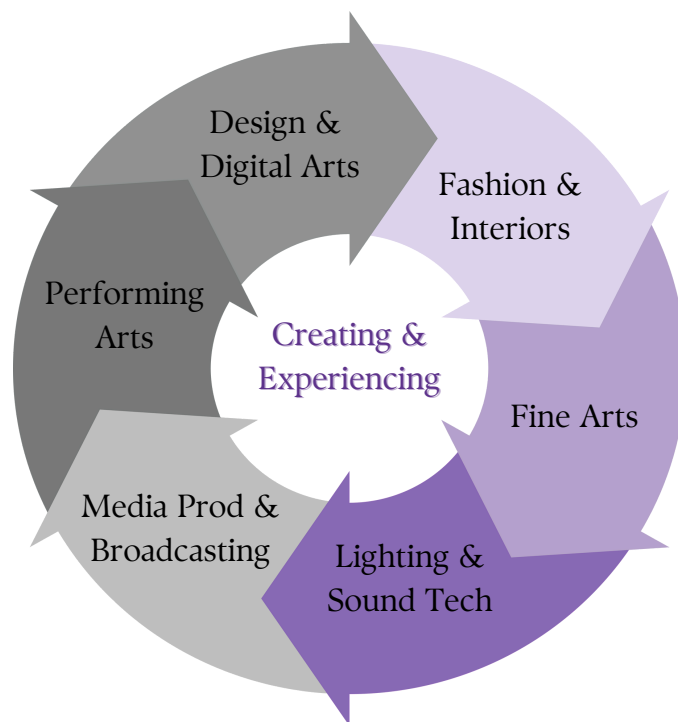
Video Editing & Digital Design, Mass Media, Sports Media Production, Digital Music Production, Music Theory & Composition, The Music Workshop

MEDIA PROD & BROADCAST PATH

Graphic Design, Photoshop, Photoshop II, Speech, Persuasion & Debate, Sports Media Production, Intro to Statistics, AP Statistics, Print Publications

PERFORMING ARTS PATH

Dramatic Literature, Persuasion & Debate, Any Music Course



The Arts, Entertainment, & Design Career Cluster combines creative roles in visual and performing arts, film, journalism, fashion, interior design, and creative technologies. This Cluster focuses on creating, producing, and sharing artistic and design work across multiple platforms, aiming to entertain, inform, beautify, and inspire.

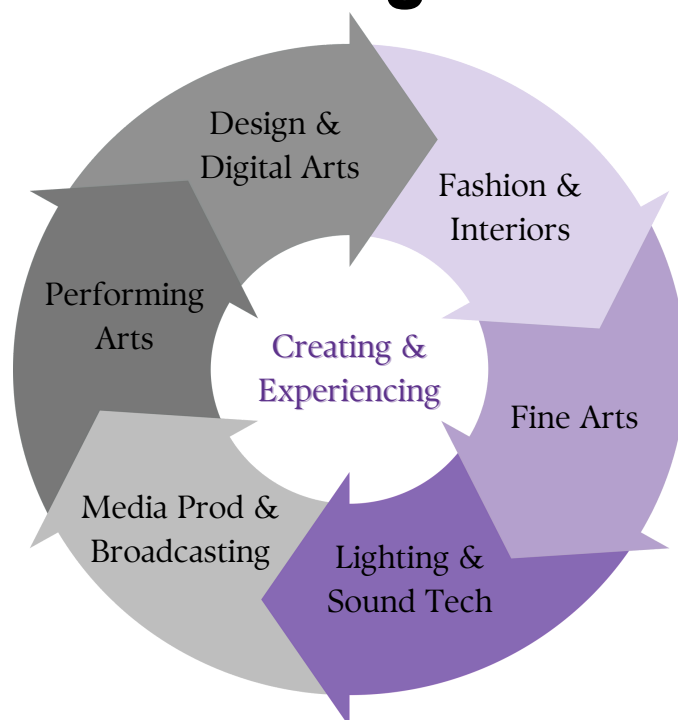
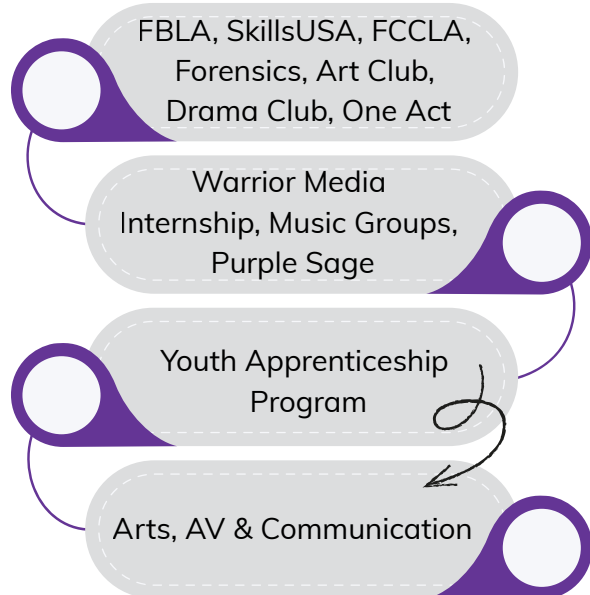
WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

RECOMMENDED FOR ALL ARTS, ENTERTAINMENT, & DESIGN PATHS

- Any Art Class
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- Any Music Class
- 2 years of any language

Arts, Entertainment, & Design

Recommended Student Organizations, Career Experiences, and Work Based Learning



FAMILY & CONSUMER
SCIENCE EDUCATION

Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- 3D Art and Animation
- Animation
- Audio Engineer
- Design and Graphic Software
- Digital Imaging
- Digital Media
- Digital Photography
- Digital Print Design
- Digital Video Production
- Front End Web Developer
- Graphic and Web Design
- Graphic Communication Technologies
- Interior Design
- Internet Graphic Design
- Multimedia & Computer Arts
- Music Occupations
- Photography Specialist
- Print Production
- Production Artist
- Professional Communication
- Professional Floral Design
- Television and Video Production
- User Experience and Interaction Design (UX/ID)
- Video Audio Design
- Video Production
- Visual Design Fundamentals
- Web and Digital Media Design

For a comprehensive list and detailed information, visit [WTCS Arts/AV Program](#)

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Animation & Digital Media
- Arts Administration & Entrepreneurship
- Art Education
- Art History
- Arts Management
- Dance
- Design & Visual Communication
- Digital Arts & Culture
- Digital Fabrication & Design
- Game Design & Development
- Graphic Design & Interactive Media
- Film
- Fine Arts
- Interior Design
- Journalism
- Musical Theatre
- Studio Art
- Textiles & Fashion Design
- Theatre Design & Technology
- Video Production

For a comprehensive list, visit [UW-Help Arts/AV Program](#)



Construction

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

ARCHITECTURE & CIVIL ENGINEERING PATH

Architectural Drafting, Any Engineering Course
Physics, Physics II

CONSTRUCTION PLANNING & DEVELOPMENT PATH

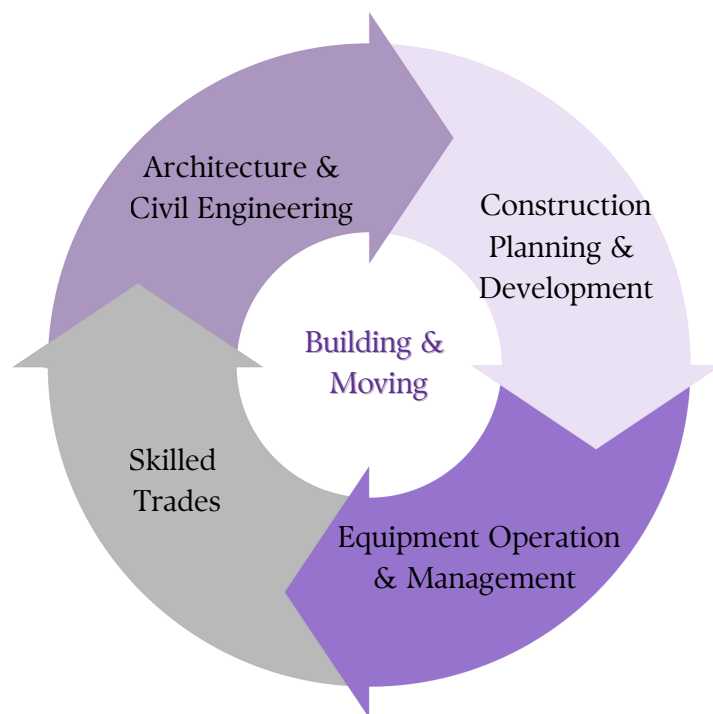
Ag Machine & Building, Construction I,
Construction II, Architectural Drafting

EQUIPMENT OPERATION & MANAGEMENT PATH

Ag Machine & Building, Construction I,
Construction II, Management & Ethics

SKILLED TRADES PATH

Small Engine Technology, Auto Mechanics,
Metal Technology, Welding, Metal Fabrication,
Advanced Algebra, Geometry, Chemistry,
Physics



The Construction Career Cluster focuses on professions involved in designing, planning, managing, and executing projects in the built environment. It emphasizes sustainable building practices to ensure that structures are both environmentally responsible and resilient. Careers in this Cluster are pivotal in creating durable infrastructure that meets present needs without compromising future generations' ability to meet their own, covering a range of roles from architects and engineers to construction managers and skilled tradespeople.

WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

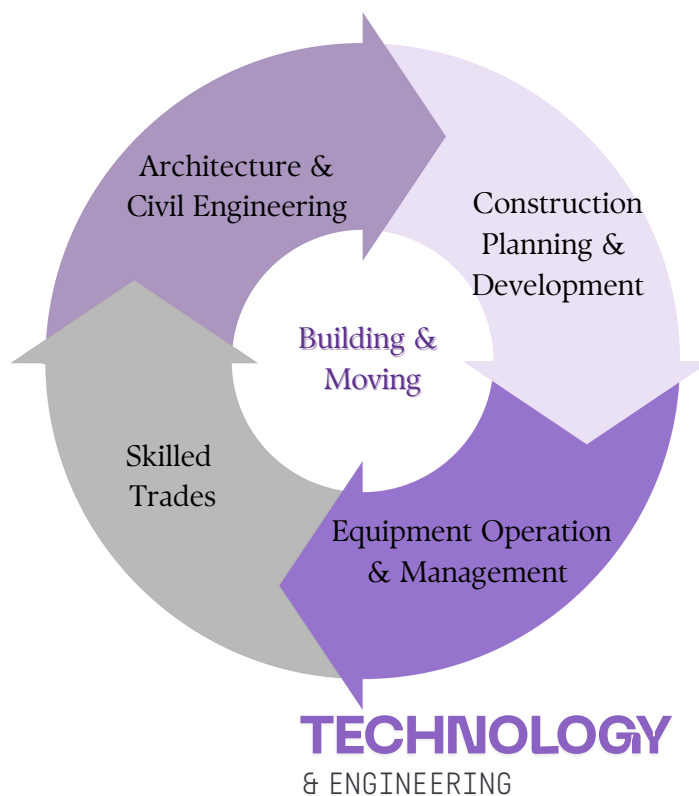
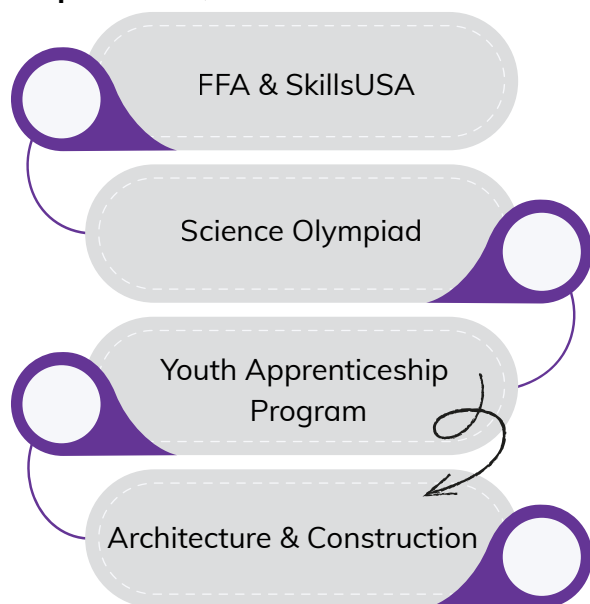
RECOMMENDED FOR ALL CONSTRUCTION PATHS

- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- Any Music Class
- Intro to Stats/AP Statistics
- 2 years of any language
- Economics/AP Economics, Sociology, Social Problems, AP US Government & Politics, Issues in Psychology, AP Psychology
- Basic Home & Auto Maintenance, Woods I, Woods II, Principles of Engineering, IDEA, Big IDEA



Construction

Recommended Student Organizations, Career Experiences, and Work Based Learning



Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Architectural Design and Technology
- Architectural Design Software
- Architectural Technician
- Architectural Technology
- Architectural Woodworking and Cabinetmaking
- Boiler Operator
- Bricklaying
- Building Automated Systems
- Building Construction and Cabinetmaking
- Building Trades - Carpentry
- Computer Aided Design (CAD) Technician
- Concrete Finishing
- Construction and Remodeling
- Construction Management - Electricity
- Construction Project Coordinator
- Construction, Small Business Management
- Drafting Technician
- Electrical Maintenance
- Gas Utility Construction & Serv
- HVAC Installer
- Industrial Wiring
- Ironworker Apprentice
- Millwright - Pipefitter
- Plumbing
- Refrigeration
- Sheet Metal Construction
- Steamfitting Service Apprentice
- Telecom Fiber Optic
- Engineering Technician
- Wood Industry: Mill Technology

For a comprehensive list and detailed information, visit [WTCS Construction Program](#).

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Architectural Studies
- Architecture
- Building Enclosure Commissioning
- Civil Engineering
- Construction Engineering & Management
- Construction Management
- Construction Safety Management
- Environmental Engineering
- Interior Architecture
- Interior Design
- Landscape Architecture
- Landscape & Urban Studies

For a comprehensive list, visit [UW-Help Construction Program](#)



Digital Technology

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

DATA SCIENCE & AI PATH

Algebra, AP Calculus AB, Intro to Stats, AP Stats, Persuasion & Debate, Computational Thinking, AP Comp Sci A, AP Comp Sci Principles - Cybersecurity

NETWORK SYSTEMS & CYBERSECURITY PATH

Intro to Discrete Math, Physics, Algebra, AP Comp Sci Principles - Cybersecurity

IT SUPPORT & SYSTEMS PATH

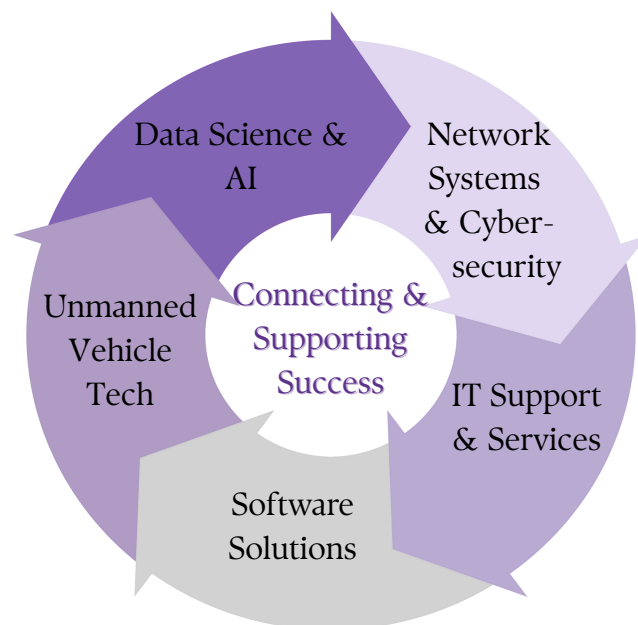
MS Office Basics, MS Office for Business Applications (DC), Marketing 1 (DC), Web Design, Algebra, Geometry, Physics

SOFTWARE SOLUTIONS PATH

Web Design, Digital Electronics, Intro to Discrete Math, Intro to Stats, AP Stats, AP Calculus AB, Sports Media Production

UNMANNED VEHICLE TECH PATH

Physics, Physics II, IDEA, Big IDEA, Digital Electronics, Principles of Engineering, Chemistry, Weather & Climate, Small Engine Tech, Auto Mechanics



The Digital Technology Career Cluster focuses on developing digital systems for communication and data storage using critical technologies such as artificial intelligence (AI), data analytics, and cybersecurity. This Cluster builds skills necessary for all careers to navigate and lead in the constantly evolving tech landscape and drives innovation across all industries to tackle complex challenges and opportunities in communities and economies.

WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

RECOMMENDED FOR ALL DIGITAL TECH PATHS

- Any Computer Science Class
- Pre-Calculus
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- Any Music Class
- 2 years of any language
- Economics/AP Economics, Issues in Psychology, AP Psychology, Sociology, AP US Government & Politics
- Any Digital Art Class, Print Publications

This Career Cluster is also a Cross-Cutting Cluster as the skills gained through this Career Clusters area are applicable across all Career Clusters.

Digital Technology

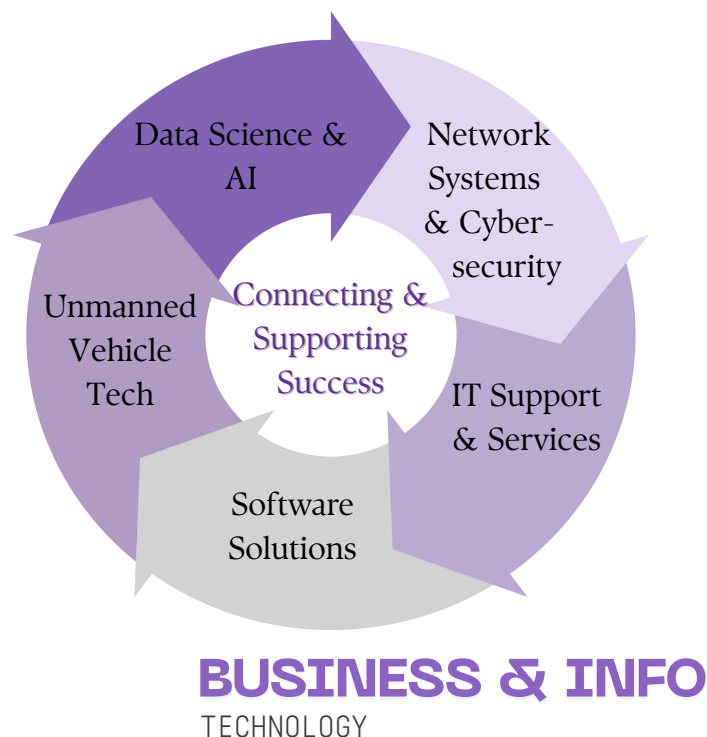
Recommended Student Organizations, Career Experiences, and Work Based Learning

FBLA, DECA, eSports, Computer Science Club

Math Team, Science Olympiad, Aviation Club

Youth Apprenticeship Program

Business Admin, Information Technology, STEM



Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- AI Technician
- CAE2Y Cybersecurity
- Cisco Networking Academy
- Computer Simulation and Gaming
- Cybersecurity
- Data Analytics and Visualization
- Database Server Administrator
- Enterprise Support Technician
- IT - Computer Support Specialist
- IT - Cybersecurity Specialist
- IT - Network Technician
- IT - Security Manager
- IT - Support Technician
- IT - Technical Support Specialist
- IT - Web and Software Developer
- IT - Web Design
- IT - Web Programmer
- Java Programming
- Level 2 - Service Center Technician
- Microsoft Office Essentials
- Office Software Specialist
- Python Certificate
- Report Analyst
- Servers and Networking
- Software Specialist
- Storage and Virtualization Administrator
- Unity Developer
- Web Programmer Certificate

For a comprehensive list and detailed information, visit [WTCS Info Tech Program](#)

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Analytics/Data Management
- Application Development
- Applied Computing
- Computer Information Systems
- Cybersecurity
- Digital Arts & Culture
- Digital Marketing Technology
- Enterprise Infrastructure
- Health Care Informatics
- Information Science & Technology
- Information Science & Technology
- Information Systems
- Information Technology & Data Science
- Information Technology Management
- IT Operations
- IT Security and Networking
- Management Information Systems
- Networking
- User Experience (UX) Design
- Web Development

For a comprehensive list, visit [UW-Help Info Tech Program](#)



Education

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

EARLY CHILDHOOD DEVELOPMENT PATH

Child Care I and II

EDUCATION & ADMINISTRATIVE LEADERSHIP PATH

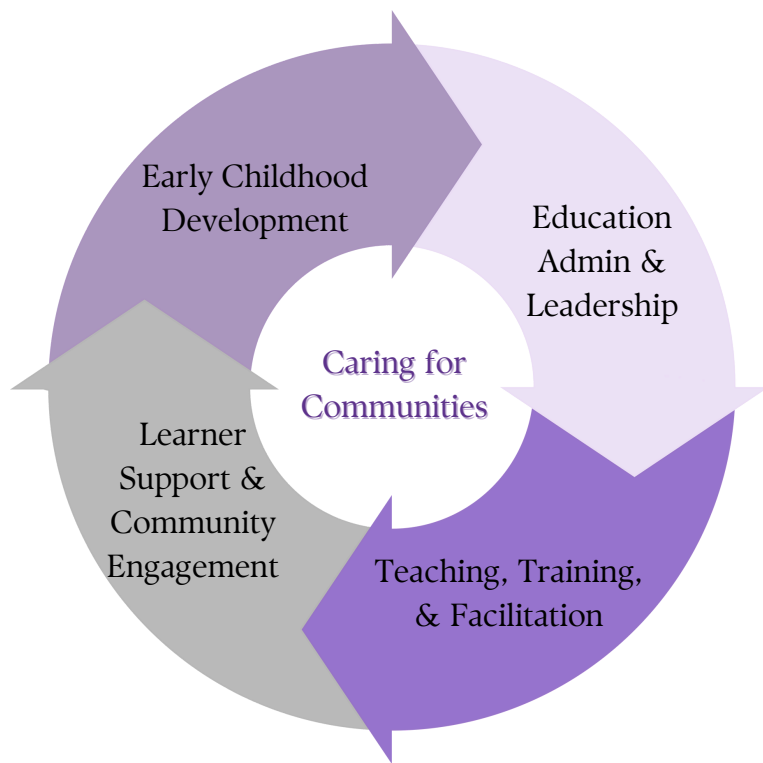
MS Office Basics, MS for Office Applications (DC), Persuasion & Debate

TEACHING, TRAINING, & FACILITATION PATH

Child Care I & II, Web Design, Intro to Stats, AP Stats, Unified Physical Education

LEARNER SUPPORT & COMMUNITY ENGAGEMENT PATH

MS Office Basics, MS Office for Business Applications (DC), Persuasion & Debate



The Education Career Cluster spans careers aimed at fostering learning from early childhood to adulthood, including teaching, instructional design, counseling services, community engagement, learner support, and educator training. This Cluster emphasizes quality education standards and lifelong learning, preparing individuals for success through all life stages by nurturing personal and societal growth in a constantly evolving world.

WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

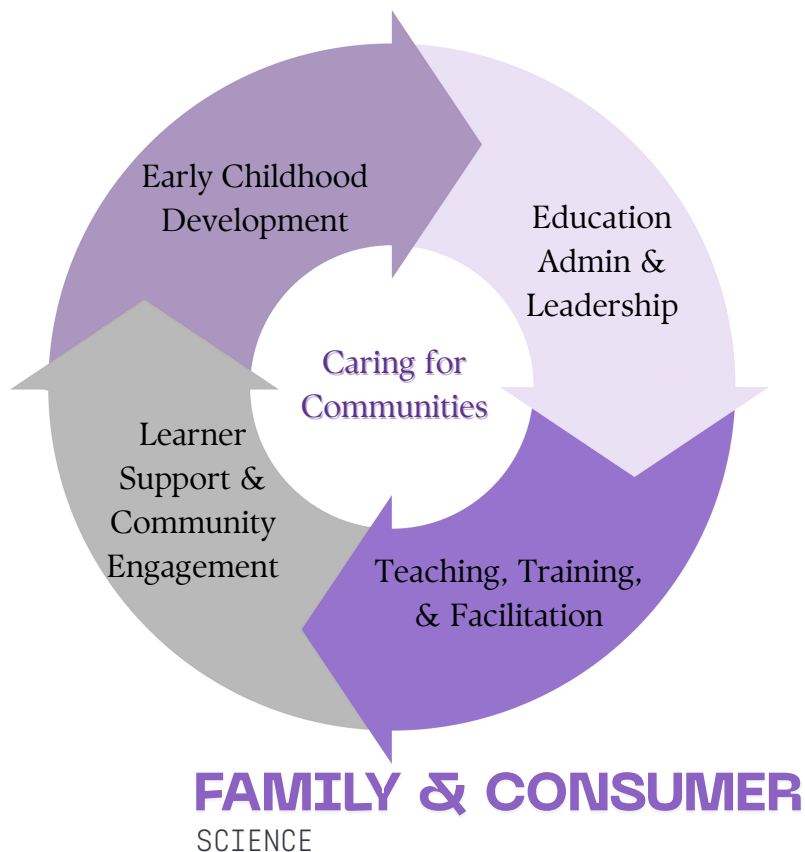
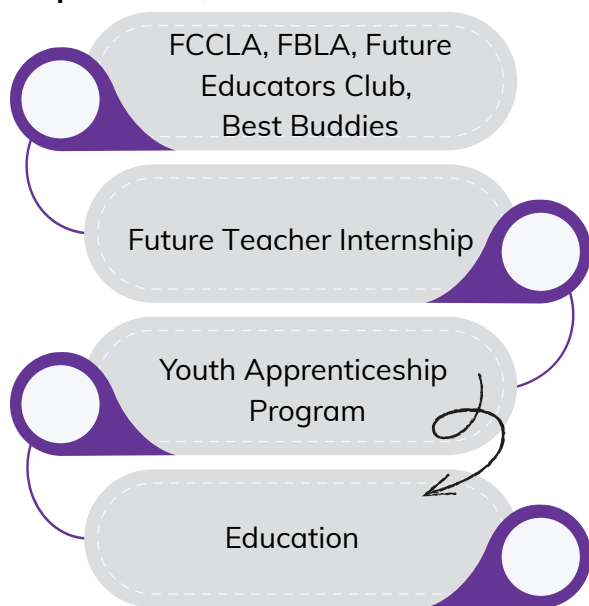
RECOMMENDED FOR ALL EDUCATION PATHS

- Intro to Education & Teaching, Education in a Pluralistic Society, Personal Relationships
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- Any Music Class
- 3-4 years of any language
- Sociology, Issues in Psychology, AP Psychology, Social Problems, America in Conflict, Economics/AP Economics, Exploring Wisconsin, Modern Global Studies, AP European History, AP US Government & Politics
- NOTE: Every department class may be recommended that matches a student's teaching content (e.g. Math teacher, all math courses are relevant, ¹⁰⁶Ag teacher, all ag courses are relevant)



Education

Recommended Student Organizations, Career Experiences, and Work Based Learning



Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Assistant Teacher
- Autism for Educators
- Basic Early Childhood Educator
- Behavior Technician
- Career and Technical Education Instructor
- Child Care Administrator
- Childcare Teacher
- Driver Safety Education Certification
- Early Childhood Education
- Educational Assistant
- Family Child Care
- Guiding and Supporting Children
- Infant/Toddler
- Instructional Assistant
- Instructional Strategies
- Library & Information Services
- Library Director
- Paraeducator
- Preschool
- Sign Language Interpreting in Education
- Special Education Certificate
- Substance Abuse Education
- Teaching English as a Second or Foreign Language
- Work Readiness

For a comprehensive list and detailed information, visit [WTCS Education Program](#)

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Curriculum & Instruction
- Curriculum and Instruction
- Early Childhood
- Educational Leadership and Policy Analysis
- Educational Policy Studies
- Educational Psychology
- Educational Specialist
- Elementary Education
- English as a Second Language
- Human Services Leadership
- School Librarian
- Secondary Education
- Special Education

For a comprehensive list, visit [UW-Help Education Program](#)



Energy & Natural Resources

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

CLEAN & ALT ENERGY PATH

Chemistry, Physics, Metal Technology, Metal Fabrication (DC), Welding (DC), Digital Electronics, Management & Ethics

CONSERVATION & LAND MANAGEMENT PATH

Chemistry, Weather & Climate, AP Environmental Science (online), Management & Ethics

ECOLOGICAL RESEARCH & DEV PATH

Chemistry, Physics, AP Biology, AP Calculus, Geology, Computer Science I & II, AP Environmental Science (online)

ENVIRONMENTAL PROTECTION PATH

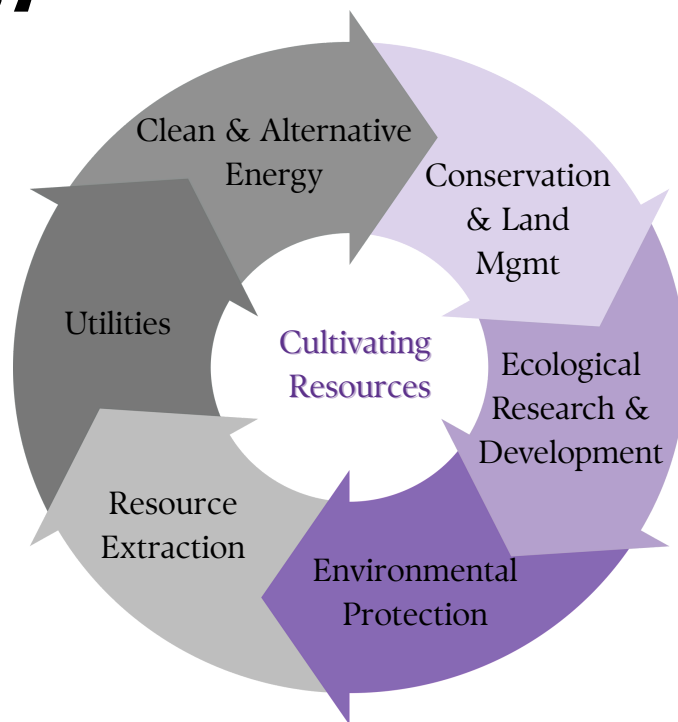
Chemistry, Physics, AP Stats, AP Calculus, AP Environmental Science (online), Geology, Intro to Ag, Computer Science I & II

RESOURCE EXTRACTION PATH

Chemistry, Physics, Geology, Engineering Classes, AP Environmental Science (online), MS Office for Business Apps (DC), Metal Technology, Metal Fabrication (DC), Welding (DC)

UTILITIES PATH

FST, Physics, Digital Electronics, Metal Technology, Metal Fabrication (DC), Welding (DC)



The Energy & Natural Resources Career Cluster spans careers in traditional and renewable fuel production, power generation and energy conversion, utilities, environmental preservation, ecological research, and resource extraction. These industries focus on efficient and responsible resource management, including conservation, transmission, distribution and storage, to minimize environmental impacts and meet global energy needs. Careers in this Cluster are dedicated to creating a sustainable future, innovating cleaner energy solutions, and preserving our planet's natural resources for generations to come.

WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

RECOMMENDED FOR ALL ENERGY & NATURAL RESOURCE PATHS

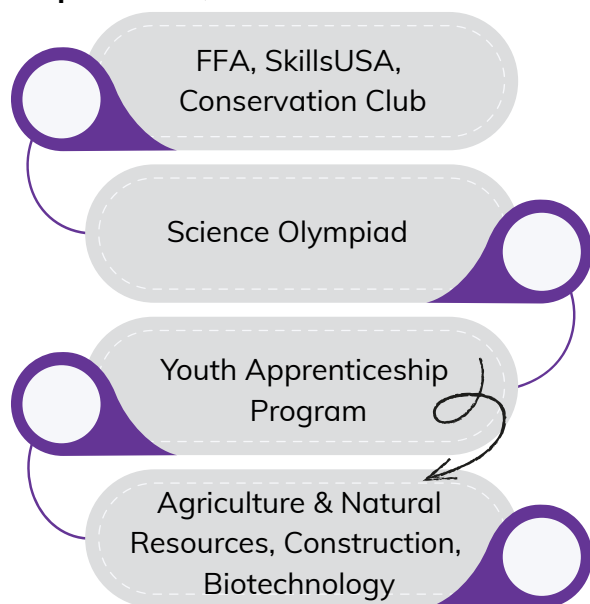
- Plant Science, Natural Resources I & II, Ag Bus
- Ecology Classes, Biotechnology Classes
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- Advanced Algebra, Geometry, Pre-Calculus
- Exploring Wisconsin, Economics/AP Economics, Social Problems, Modern Global Studies, AP US Government & Politics
- 2-3 years of any language

108



Energy & Natural Resources

Recommended Student Organizations, Career Experiences, and Work Based Learning



Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Conservation Agronomist
- Environmental Health and Water Quality Tech
- Forest Management Specialist
- Natural Resources Technician
- Renewable Energy - Solar Thermal
- Solar Installation Technician
- Water Quality Technician
- Water Technician Certificate
- Wildland Fire Crew
- Wildland Firefighter

For a comprehensive list and detailed information, visit [WTCS Ag Program](#)

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Bioenergy
- Building Green
- Conservation and Environmental Science
- Energy
- Energy Analysis and Policy (EAP)
- Energy Engineering
- Energy Systems Engineering Technology
- Engineering - Natural Resources and Environmental Systems
- Engineering for Energy Sustainability
- Engineering Thermal Energy Systems
- Environment and Resources
- Environmental Science
- Fisheries and Water Resources
- Forestry
- Natural Resources in Conservation and Leadership
- Soil and Waste Resources
- Sustainability and Renewable Energy Systems
- Sustainable Management
- Water Resources Management
- Wildlife Ecology and Management

For a comprehensive list, visit [UW-Help Ag Program](#)



Financial Services

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

ACCOUNTING PATH

Accounting Independent Study, Concepts of Entrepreneurship (DC), AP Calculus, Computer Science I & II, AP Computer Science A

BANKING & CREDIT PATH

AP Calculus, Marketing I (DC), Selling Principles (DC)

FINANCIAL STRATEGY & INVESTMENTS PATH

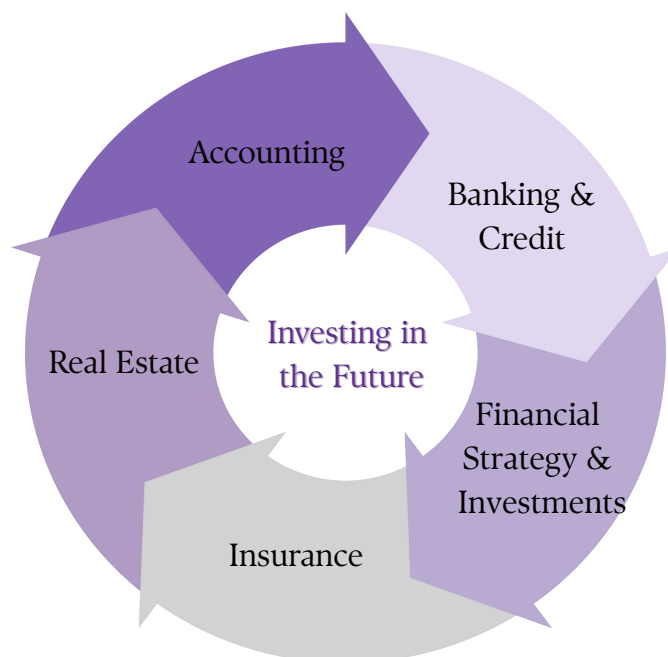
Concepts of Entrepreneurship (DC), Marketing I (DC), Selling Principles (DC), AP Calculus, Persuasion & Debate, AP Microeconomics (online), AP Computer Science Principles - Cybersecurity

INSURANCE PATH

Concepts of Entrepreneurship, Marketing I (DC), Selling Principles (DC), Social Media Marketing (DC), Persuasion & Debate, Computer Science I & II

REAL ESTATE PATH

Concepts of Entrepreneurship, Marketing I (DC), Selling Principles (DC), Social Media Marketing (DC), Persuasion & Debate, Interior & Housing Services, Architectural Drafting



The Financial Services Career Cluster encompasses careers in managing and advising financial transactions, including banking, lending, corporate finance, debt management, accounting, insurance, and real estate. These careers contribute to economic stability and growth by supporting the financial health of individuals and organizations.

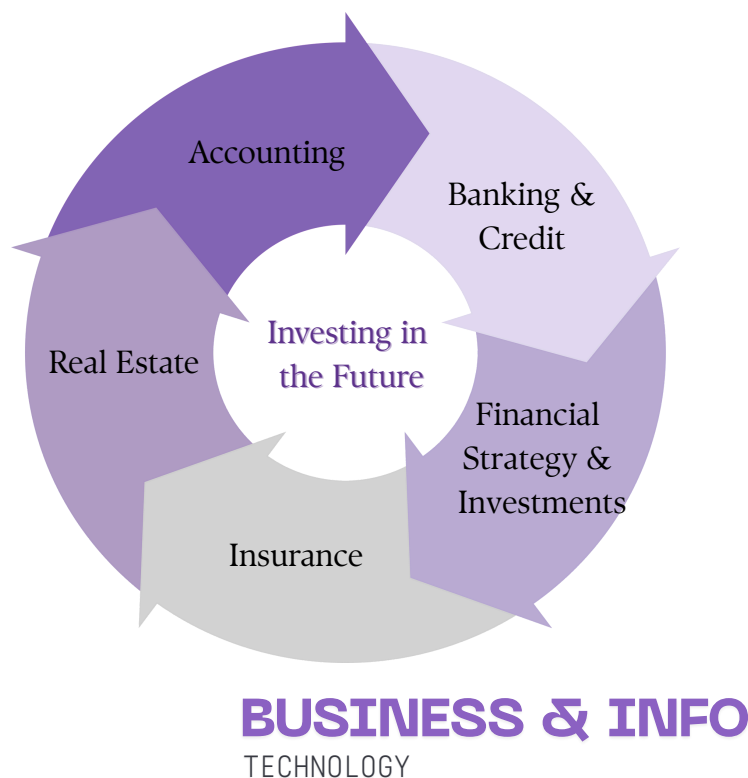
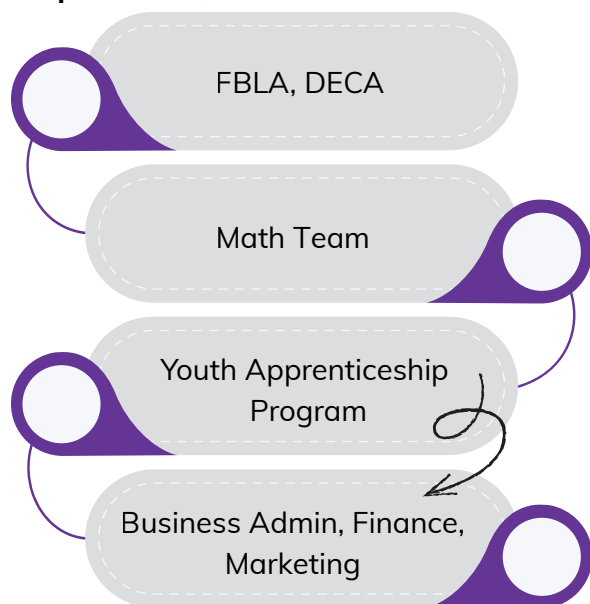
WCHS has created this Career Cluster Program of Study to serve as a guide for all learners, parents, counselors, and faculty members, partnered with other career planning materials, to help learners continue on a career path. Courses listed within the plan are strongly recommended but each plan should be individualized to meet each learner's educational and career goals.

RECOMMENDED FOR ALL FINANCIAL PATHS

- MS Office for Business Apps (DC), Accounting (DC), Advanced Accounting, Global Business, Management & Ethics
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- Intro to Stats, AP Statistics, Pre-Calculus
- Economics/AP Economics, Sociology, AP US Government & Politics, AP Psychology
- 2 years of any language

Financial Services

Recommended Student Organizations, Career Experiences, and Work Based Learning



Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Accounting
- Accounting Assistant
- Banking and Financial Services
- Billing and Posting Clerk
- Bookkeeping / Bookkeeper
- Finance
- Financial and Insurance Services Specialist
- Financial Services Customer Representative
- Individual Tax Preparer
- ITC Computerized Accounting
- Managerial Accounting
- Payroll Assistant Certificate
- Quickbooks Specialist
- Small Business Accounting
- Tax Preparer

For a comprehensive list and detailed information, visit [WTCS Finance Program](#)

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Banking
- Business Administration
- Consumer Finance
- Corporate Finance
- Finance
- Financial Economics
- Financial Planning
- Insurance
- Investment
- Personal Finance
- Real Estate

For a comprehensive list, visit [UW-Help Finance Program](#)

Healthcare & Human Services

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

BEHAVIORAL & MENTAL HEALTH PATH

Personal Relationships, Social Problems

BIOTECH RESEARCH & DEV PATH

Principles of Biomedical Science, Biotech Career Apps (DC), Biotechnology (DC), AP Biology

COMMUNITY & SOCIAL SERVICES PATH

Child Care I & II, Personal Relationships, Social Problems, Education in a Pluralistic Society (DC), AP US Government & Politics

HEALTH DATA & ADMIN PATH

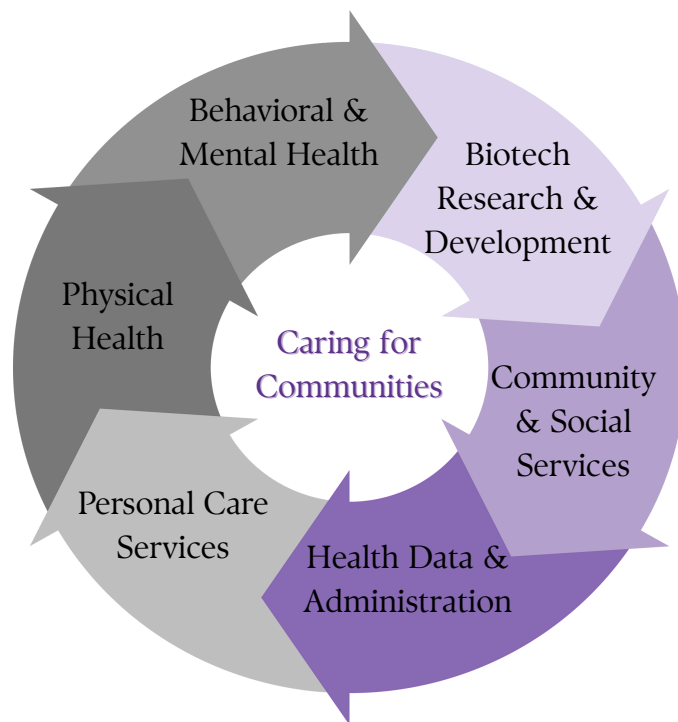
Management & Ethics, Principles of Biomedical Science, Chemistry, Intro to Stats, Global Business, Computer Science I & II

PERSONAL CARE SERVICES PATH

Concepts of Entrepreneurship (DC), Marketing I (DC), Selling Principles (DC), Social Media Marketing (DC), Personal Relationships

PHYSICAL HEALTH PATH

Chemistry, AP Biology, Physics, Principles of Biomedical Science, AP Calculus, Persuasion & Debate



The Healthcare & Human Services Career Cluster promotes whole health in individuals and communities through a diverse array of services. This sector includes technical, mental, and therapeutic services and personal care, supported by medical and social sciences. By addressing social determinants of health and leveraging health data and science, this Cluster aims to enhance the overall health and resilience of individuals, families, and communities.

WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

RECOMMENDED FOR ALL HEALTHCARE & HUMAN SERVICES PATHS

- Any Health Science Class
- Human Anatomy & Physiology I & II
- Advanced Health
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- AP Statistics, Pre-Calculus
- Any Psychology Class, Sociology
- 4 years of any language
- Any Music Class

Healthcare & Human Services

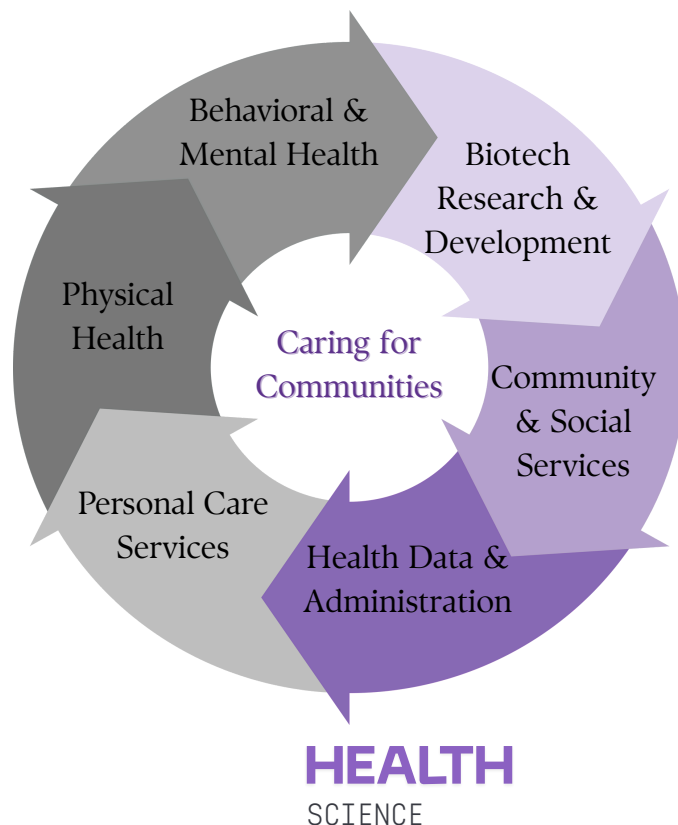
Recommended Student Organizations, Career Experiences, and Work Based Learning

HOSA, FBLA, DECA

Science Club, NextGen Academies via Madison College

Youth Apprenticeship Program

Health Science, Business Administration, Biotech



Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Aesthetician
- Anesthesia Technology
- Barber
- Biotechnology Laboratory Technician
- Cancer Information Management
- Cardiovascular Technology - Echocardiography Careers
- Case Management
- Chiropractic Technician
- Cosmetology
- Critical Care Paramedic
- Dental Hygienist
- Diagnostic Medical Sonography
- Dietary Manager
- EKG Technician
- Funeral Service
- Health and Wellness Technician
- Health Care Leadership - Certificate
- Health Information Technology
- Healthcare Customer Service
- Lab Assistant
- Medical Assistant
- Medical Coder
- Medical Interpreter
- Nail Technician
- Nursing - Associate Degree
- Nursing Assistant (CNA)
- Occupational Therapy Assistant
- Optometric Technician
- Pharmacy Technician
- Phlebotomist - Specimen Processor
- Radiography
- Substance Use Disorder Counseling
- Surgical Technologist
- Therapeutic Massage

For a comprehensive list and detailed information, visit [WTCS Health Science](#) or [Human Serv Program](#)

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Athletic Training
- Biomedical Engineering
- Chiropractic
- Democracy & Justice Studies
- Dentistry
- Doctor of Medicine
- Doctor of Pharmacy
- Genetic Counseling
- Global Health
- Health & Wellness Management
- Health Care Administration
- Health Information Management
- Health Sciences
- Medical Laboratory Science
- Nuclear Medicine Technology
- Nursing
- Occupational Therapy
- Optometry
- Physical Therapy
- Physician Assistant
- Podiatry
- Public Leadership & Innovation
- Radiologic Tech & Sonography
- Social Work

For a comprehensive list, visit [UW-Help Health Science](#) or [Human Serv Program](#)



Hospitality, Events, & Tourism

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

ACCOMMODATIONS PATH

Child Care I & II

CONFERENCES & EVENTS PATH

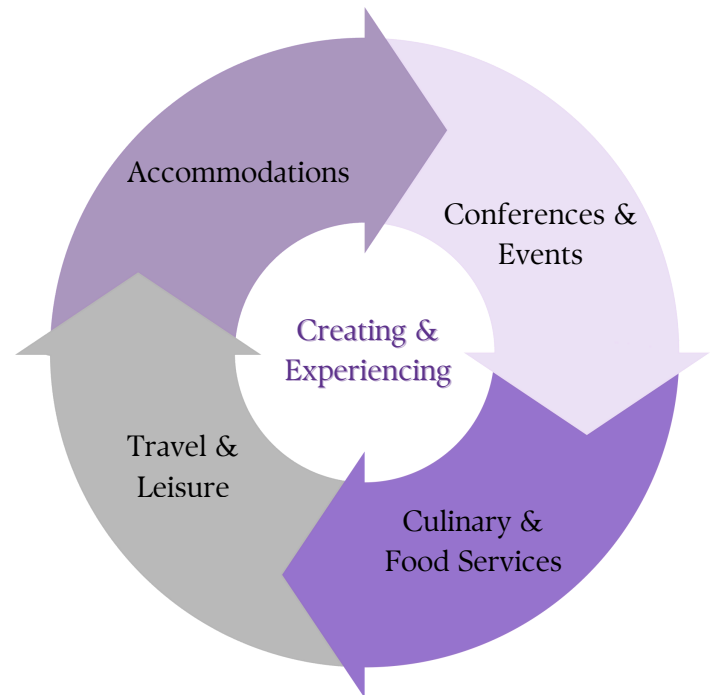
Any Business Class, Any Digital Art Class

CULINARY & FOOD SERVICES PATH

Any Culinary Class, Food Science, Chemistry, Accounting (DC)

TRAVEL & LEISURE PATH

Accounting (DC), Any Digital Art Class



The Hospitality, Events, & Tourism Career Cluster encompasses a broad range of services and experiences related to food and beverage, lodging, travel, events, and conferences. This Cluster focuses on delivering quality customer service, memorable experiences, and seamless logistics to cater to the needs and preferences of guests, tourists, and event participants. The Cluster is characterized by its diversity, including everything from luxury hotels and international travel to local dining, cultural events, and business conferences, aiming to enhance the overall experience of visitors and attendees.

WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

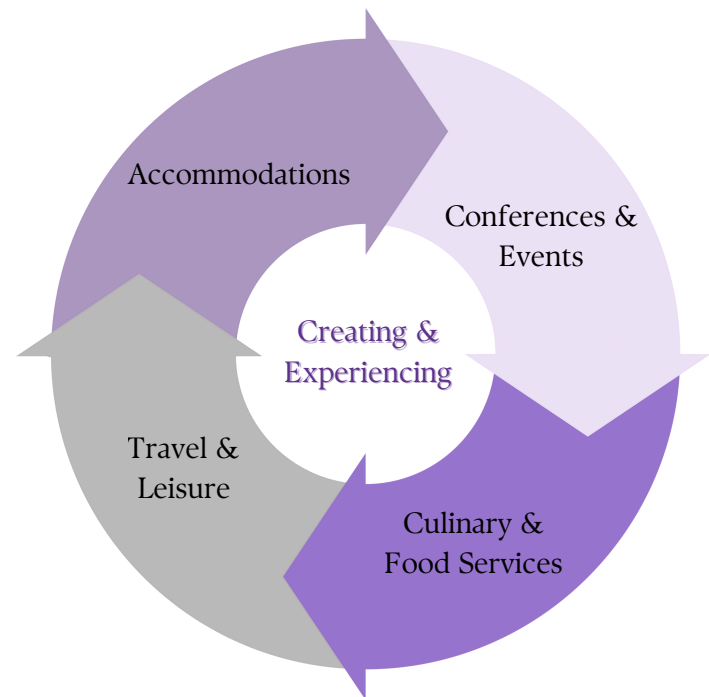
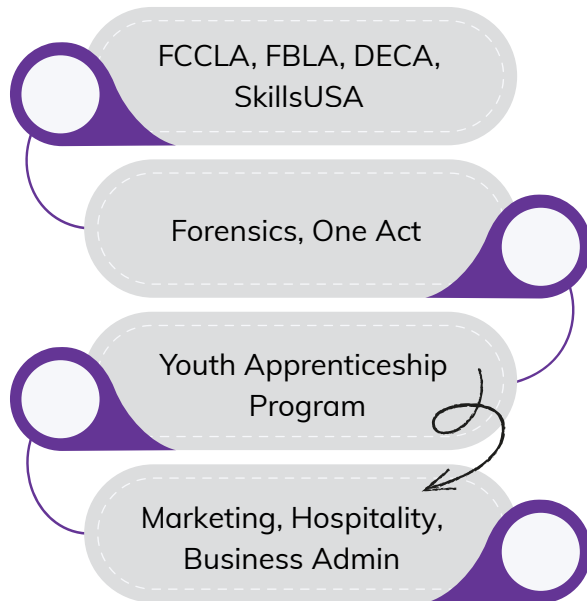
RECOMMENDED FOR ALL HOSPITALITY, EVENTS, & TOURISM PATHS

- Any Marketing Class, Concepts of Entrepreneurship (DC), Global Business, MS Office for Business Apps (DC), Management & Ethics, Personal Relationships
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech, Persuasion & Debate
- Intro to Stats/AP Statistics
- Any Music Class
- 3-4 years of any language
- Issues in Psychology, AP Psychology, Economics/AP Economics, Sociology, Social Problems, Modern Global Studies, AP European History, Exploring Wisconsin



Hospitality, Events, & Tourism

Recommended Student Organizations, Career Experiences, and Work Based Learning



FAMILY & CONSUMER SCIENCE

Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Artisan Baking Certificate
- Artisan Modern Meat Butchery
- Baking
- Baking and Decorative Arts
- Baking and Pastry
- Baking and Pastry Management
- Baking Production
- Basic Cooking Skills
- Catering
- Cook-Chef Apprenticeship
- Culinary Arts
- Culinary Management
- Culinary Production Line Cook
- Food Service Production
- Foundations of Lodging & Hospital Management
- Golf Course Management
- Hospitality Management
- Hotel Management
- Kitchen Management
- Promotions and Events Management Certificate
- Restaurant Management
- Restaurant Service Essentials
- Special Event Management

For a comprehensive list and detailed information, visit [WTCS Hospitality & Tourism Program](#)

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Certified Master Wedding and Event Planner
- Event & Meeting Management
- Golf Enterprise Management
- Hospitality Management
- Hospitality Security & Risk Management
- Hospitality Strategy
- Hotel, Restaurant & Tourism Management
- Luxury Management
- Property Management
- Real Estate Property Management
- Senior Living and Services Leadership

For a comprehensive list, visit [UW-Help 115 Hospitality & Tourism Program](#)



Management & Entrepreneurship

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

BUSINESS INFO MANAGEMENT PATH

Computational Thinking (EM), AP Computer Science Principles - Cybersecurity, AP Calculus

ENTREPRENEURSHIP & SMALL BUSINESS PATH

Graphic Design, Photoshop I & II, Social Problems, Sociology, Persuasion & Debate

LEADERSHIP & OPERATIONS PATH

Persuasion & Debate, AP Psychology

PROJECT MANAGEMENT PATH

Any Computer Science Class, Modern Global Studies, Sociology, AP US Gov & Politics

OPERATIONS PATH

Modern Global Studies, Sociology



The Management & Entrepreneurship Career Cluster involves skills and occupations that are essential across all industries, focusing on business administration, operations optimization, strategic planning, workforce management, and entrepreneurship. It merges key areas such as data management and analysis, human resources, general operations, administrative support, project management, and organizational leadership. This Cluster ensures that businesses across all industries efficiently meet their goals, adapt to market changes, and maintain competitive advantage. By emphasizing entrepreneurship, this Cluster supports the creation of new ventures, driving economic growth and innovation and making it a cornerstone of modern economies.

WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

RECOMMENDED FOR ALL MANAGEMENT & ENTREPRENEURSHIP PATHS

- Any Marketing Class, Any Business Class, Personal Relationships
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- Intro to Stats/AP Statistics, Pre-Calculus
- Any Music Class
- 3-4 years of any language
- Economics/AP Economics, AP US Government & Politics

This Career Cluster is also a Cross-Cutting Cluster as the skills gained through this Career Clusters area are applicable across all Career Clusters.



Management & Entrepreneurship

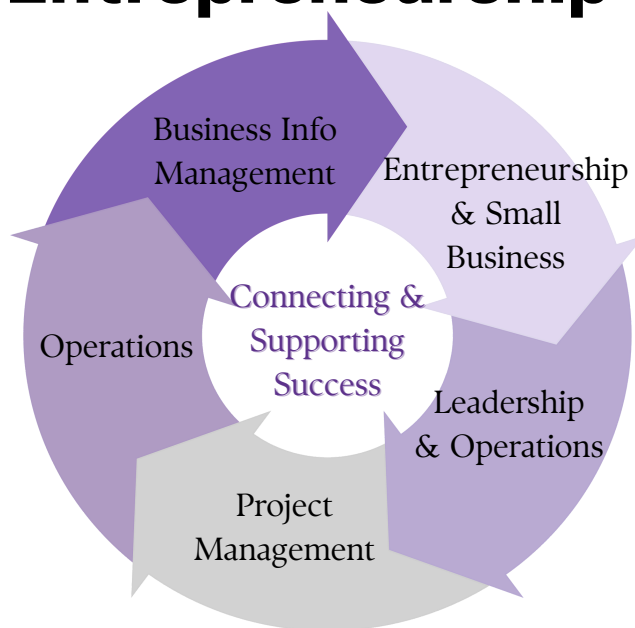
Recommended Student Organizations, Career Experiences, and Work Based Learning

FBLA, DECA, Student Council, Class Officers, Principal's Council

WNC Internship

Youth Apprenticeship Program

Business Admin, Finance, Marketing, Gov & Public Admin



MARKETING
EDUCATION

Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Accelerated Human Resources Management
- Accelerated Leadership
- Administrative Coordinator / Administrative Professional
- Bilingual Office Assistant
- Broadcast Captioning
- Business Admin Specialist
- Business Management
- Business Systems Analyst
- Compensation and Benefits
- Customer Service Certificate
- Digital Media
- E-Sports Business Management
- Entrepreneur
- Event Management
- Financial Fraud Detection
- Fitness, Recreation and Wellness Management
- Health Office Professional
- Human Resources
- Import / Export Specialist
- Leadership Development
- Management Development
- Manufacturing Operations Management
- Medical Admin Professional
- Meeting and Event Planner
- Project Management
- Public Relations
- Sports and Recreation Management
- Supervisory Management Certificate
- Supply Chain Specialist
- Talent Acquisition Specialist
- Virtual Assistant
- Writing for the Web

For a comprehensive list and detailed information, visit [WTCS Business Admin Program](#)

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Business Administration
- Business Fundamentals
- Business: Human Resource Management
- Business: Management
- Entrepreneurship
- Healthcare Administration
- Human Resources
- Management
- Management & Leadership
- Operations & Supply Management
- Project Management
- Sustainable Management

117

For a comprehensive list, visit [UW-Help Business Admin Program](#)



Marketing & Sales

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

MARKETING & ADVERTISING PATH

Accounting (DC), Video Editing & Digital Design, Web Design, Any Art Class, Persuasion & Debate

MARKET RESEARCH, ANALYTICS, & ETHICS PATH

Any Computer Science Class, Accounting (DC), Management & Ethics, Pre-Calculus

RETAIL & CUSTOMER EXPERIENCE PATH

Fashion & Fabrics, Creative Fashions, Interior & Housing Services, Persuasion & Debate, Personal Relationships

STRATEGIC SALES PATH

Persuasion & Debate



The Marketing & Sales Career Cluster focuses on promoting products, understanding consumer needs, engaging with communities, and driving sales. It integrates digital marketing, data analysis, brand promotion, customer relationship management, strategic communications, human-centered design, and retail strategies to build strong customer connections and support business growth. This Cluster is essential in all industries for creating value, effectively reaching and engaging target audiences, and achieving commercial success in a competitive marketplace.

WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

RECOMMENDED FOR ALL MARKETING & SALES PATHS

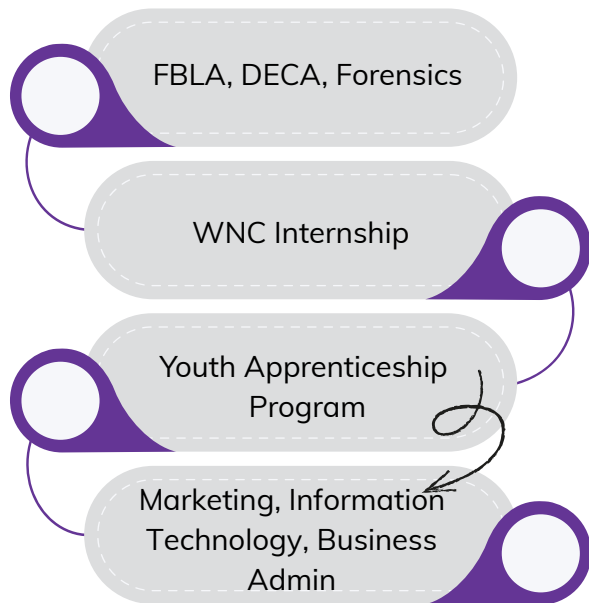
- Graphic Design, Photoshop I & II
- Any Marketing Class, Concepts of Entrepreneurship (DC)
- MS Office for Business Apps (DC)
- Any Music Class
- 2-3 years of any language
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- Intro to Statistics, AP Statistics
- Economics/AP Economics, Issues in Psychology, AP Psychology, Sociology, Social Problems, Modern Global Studies, Exploring Wisconsin

This Career Cluster is also a Cross-Cutting Cluster as the skills gained through this Career Clusters area are applicable across all Career Clusters.



Marketing & Sales

Recommended Student Organizations, Career Experiences, and Work Based Learning



Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Customer Relationship Professional
- Customer Service Specialist
- Digital Marketing
- Global Marketing
- Global Trade Finance
- Marketing
- Marketing Leadership and Innovation
- Professional Communication - Digital Marketing
- Project Management
- Promotional Graphic Design
- Property Management
- Real Estate
- Retail Operations
- Sales and Customer Experience
- Sales Management
- Social Media Marketing
- Sports and Event Marketing

For a comprehensive list and detailed information, visit [WTCS Marketing & Sales Program](#)

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Brand Management
- Business Administration
- Business Analytics
- Business-to-Business (B2B) Sales and Marketing
- Consumer Behavior & Marketplace Studies
- Digital Marketing Analytics
- Digital Marketing and AI
- Experiential and Sports Marketing
- International Marketing
- Marketing
- Marketing Analytics
- Marketing and Business Education
- Marketing Communications
- Professional Sales
- Professional Sales
- Social Media Analytics
- Tech Product Marketing

For a comprehensive list, visit [UW-Help Marketing & Sales Program](#)



Public Service & Safety

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

EMERGENCY RESPONSE PATH

Any Health Science Class, NextGen Academy Classes (Madison College), Any PE Course, Advanced Health, Anatomy & Physiology I & II, Chemistry, Computational Thinking (EM)

JUDICIAL SYSTEMS PATH

AP Language & Comp, AP Literature & Comp, Persuasion & Debate, AP US History, Management & Ethics, MS Office Basics, MS Office for Business Apps (DC)

LOCAL, STATE, & FEDERAL SERV PATH

Any Business Class

MILITARY & NATIONAL SECURITY PATH

Any Computer Science Class, Advanced Algebra, Geometry, Pre-Calculus, Any Business Class

PUBLIC SAFETY PATH

Advanced Health, Any PE Class, Modern Global Studies, MS Office Basics, MS Office for Business Apps (DC)



The Public Service & Safety Career Cluster encompasses roles in local, state, and federal government; legal and justice systems; security; and military operations, all aimed at promoting civic responsibility and ensuring the well-being, security, functionality, and resilience of communities, states, and countries.

WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

RECOMMENDED FOR ALL PUBLIC SERVICE & SAFETY PATHS

- Personal Relationships
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech
- 3-4 years of any language
- Social Problems, Sociology, AP US Government & Politics, Issues in Psychology, AP Psychology, Exploring Wisconsin

Public Service & Safety

Recommended Student Organizations, Career Experiences, and Work Based Learning

HOSA, WI Civics Games, Student Council

Mock Trial, NextGen Academies (Madison College)

Youth Apprenticeship Program

Law & Public Safety, Gov & Public Safety, Health Science



HEALTH
SCIENCE

Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Asset Protection
- Corrections
- Court Reporting
- Criminal Justice
- Criminal Justice - Law Enforcement
- Critical Care Paramedic
- Critical Care Transport
- Emergency Dispatch Certificate
- Emergency Medical Technician (EMT)
- EMT - Firefighter
- Evidence Technician
- Fire Medic
- Fire Science
- Fire Service Training and Cert
- Forensic Science
- Jail Academy
- Justice & Community Advocacy
- Law Enforcement
- Law Office Administration
- Legal Studies / Paralegal
- Paramedic
- Private Investigation Specialist
- Professional Communication - Criminal Justice
- Professional Private Investigator
- Security Professional

For a comprehensive list and detailed information, visit [WTCS Law & Public Safety Program](#)

University of Wisconsin College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Conservation Law Enforcement
- Corrections
- Criminal Justice
- Criminal Law
- Criminology
- Cybersecurity
- Elder Law
- Fire & Emergency Response Management
- Forensics Investigation
- Immigration Law
- Law
- Legal Studies
- Occupational Safety
- Public Administration
- Public Interest Law
- Public Policy
- Research Security
- Risk Control & Safety Management
- Urban Studies



Supply Chain & Transportation

Essential Program Learning Experiences

Coursework directly aligned to this specific Program of Study; does NOT include required core coursework that is applicable to all Programs.

AIR & SPACE TRANSPORTATION PATH

Small Engine Technology, Auto Mechanics, FST, AP Calculus, Chemistry, Physics, Physics II, Any Computer Science Class

GROUND & RAIL TRANSPORTATION PATH

Small Engine Technology, Auto Mechanics, Metal Technology, Metal Fab (DC), Welding (DC)

MAINTENANCE & REPAIR PATH

Small Engine Technology, Auto Mechanics, Ag Machine & Building, Metal Technology, Metal Fab (DC), Welding (DC)

MARINE TRANSPORTATION PATH

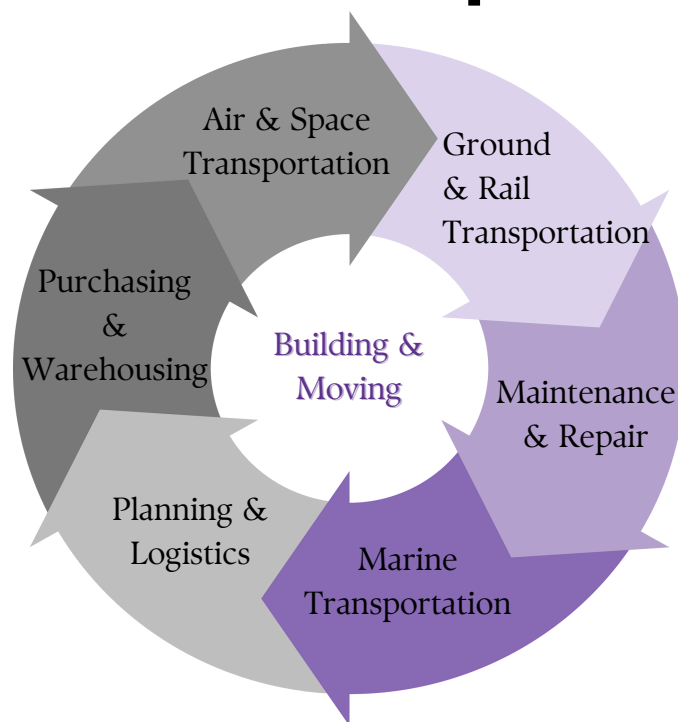
Small Engine Technology, Auto Mechanics, FST, Chemistry, Physics, Physics II, Any Computer Science Class

PLANNING & LOGISTICS PATH

Metal Technology, Metal Fab (DC), Welding (DC), Management & Ethics, Concepts of Entrepreneurship (DC), Intro to Stats, Global Business, Computer Science I & II

PURCHASING & WAREHOUSING PATH

Intro to Stats, AP Statistics, Management & Ethics, Accounting (DC), Selling Principles (DC)



The Supply Chain & Transportation Career Cluster encompasses the transfer, coordination, and management of goods from production to consumption, ensuring efficient movement across various modes of transportation including air, ground, and water, as well as maintenance of the respective transport modes. This Cluster integrates logistics and distribution networks to facilitate the seamless flow of materials and products, playing a crucial role in global commerce, economic development, and community health.

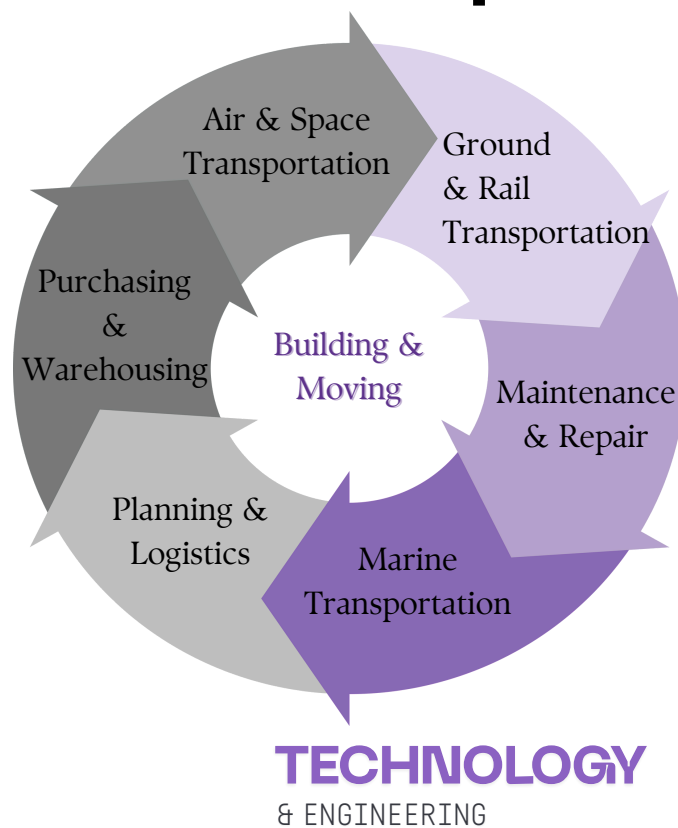
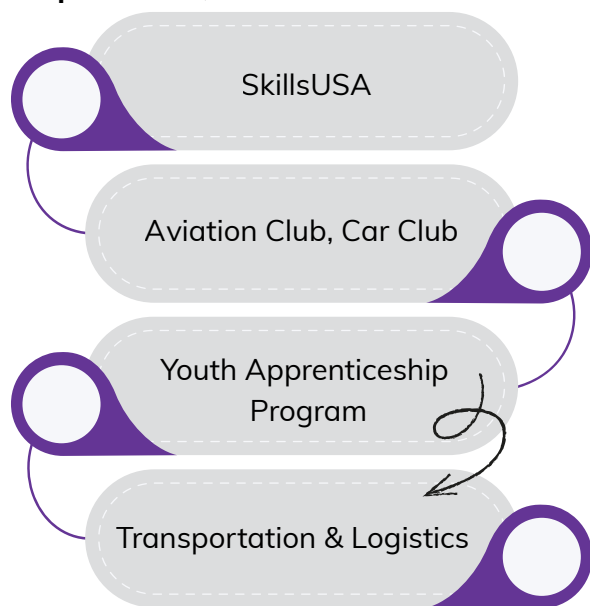
WCHS created this Career Cluster Program of Study to guide students, families, counselors, and staff in career planning. Courses are recommended, but each plan should be individualized to align with the learner's goals.

RECOMMENDED FOR ALL SUPPLY CHAIN & TRANSPORTATION PATHS

- MS Office for Business Applications (DC)
- Any Engineering Class
- Any Writing Class (Advanced Composition, AP Language & Composition, Creative Writing), Speech, Any Literature Class
- Issues in Psychology, AP Psychology, Economics/AP Economics, AP Government & Politics, Sociology
- 2 years of any language

Supply Chain & Transportation

Recommended Student Organizations, Career Experiences, and Work Based Learning



Wisconsin Technical College System

Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Advanced Marine Repair Technician
- Aeronautics - Pilot Training
- Airframe and Powerplant Mechanics
- Auto Collision Fundamentals
- Auto Collision Repair and Refinishing
- Auto Maintenance Technician
- Automotive Service Management
- Automotive Technology
- Aviation Management
- Diesel and Heavy Equipment Tech
- Diesel Technology
- Drone (Unmanned Aerial Systems)
- Logistics
- Lube Technician
- Motorcycle, Marine and Outdoor Power Products
- Operating Engineer / Heavy Equipment Operator Apprentice
- Outdoor Power Equipment Tech
- Power Sports Technology
- Purchasing Agent / Buyer
- Roadways Maintenance Tech Apprentice
- Service Writer Certificate
- Small Engine Repair Specialist
- Supply Chain Management
- Traffic Safety
- Transportation - Logistics
- Truck Driving
- Undercar Technician

For a comprehensive list and detailed information, visit [WTCS Transportation Program](#).

University of Wisconsin College System

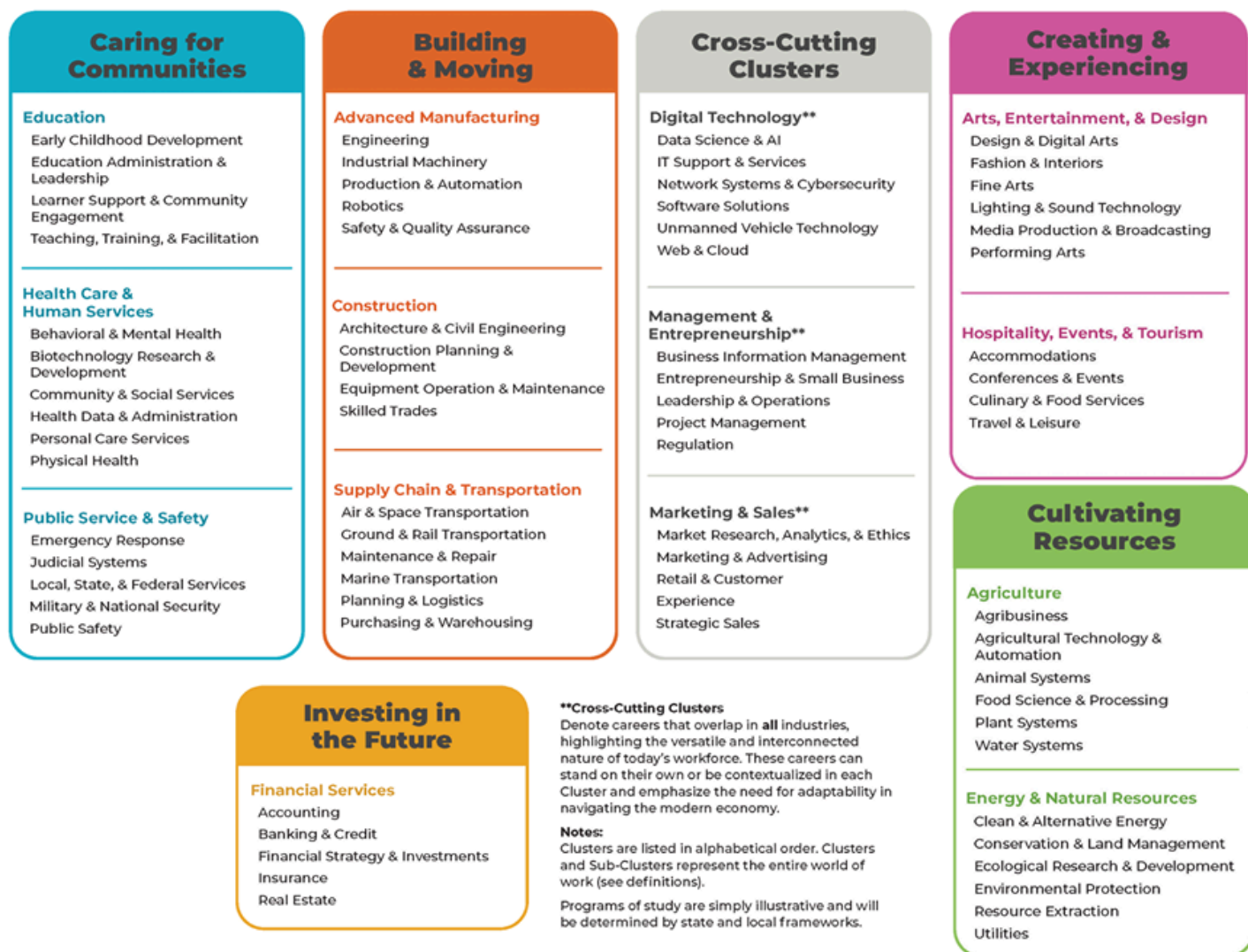
Related Programs, Degrees & Certificates (Examples not All-Inclusive)

- Digital Supply Chain Management
- Global Sourcing
- Logistics Analytics
- Project Management
- Supply Chain and Operations Management
- Supply Chain Management
- Transportation and Logistics Management

For a comprehensive list, visit [UW-Help Transportation Program](#)

Program of Study Framework: A Grid View

The Framework: Grid View



ADDITIONAL RESOURCES

- Advanced CTE | [About the National Career Clusters Framework](#)
- Advanced CTE | [Industry Sector Profiles](#)
- Advanced CTE | [The Modernized National Career Clusters Framework Guidebook](#)
- Advanced CTE | [The Modernized National Career Clusters Framework Guidebook \(Spanish\)](#)
- Wisconsin DPI | [Career Clusters](#)



Waunakee Community High School

CONDENSED FRESHMAN
COURSE GUIDE

ACADEMIC & CAREER
PLANNING GUIDE



CONDENSED FRESHMAN COURSE GUIDE

2026-2027

COMMITTED TO CHILDREN • COMMITTED TO COMMUNITY • COMMITTED TO EXCELLENCE



Important Notice

This course handbook was designed specifically for the Class of 2030. It is an abbreviated version of the Waunakee Community High School 2026-27 Course Planning Guide which is also available for all students and parents in an online version from the Waunakee Community High School Counseling & Student Services Website. This course handbook contains course information that is available for our incoming freshmen students. A full listing and description of every high school course, including information on AP Courses, Laude Points, Youth Options, Online Courses, School to Career/Youth Apprenticeship, and Post-Secondary Dual Credit Options is available in the full Course Handbook.

We encourage all students and parents to look at the full Course Planning Guide, available online. Please note: Wisconsin Act 60 was signed into law on December 6, 2023 and requires that all students (beginning with the class of 2028) graduate with a half-credit of personal financial literacy. Students in the Class of 2030 will need to successfully complete "Personal Finance" (formerly known as Dollars & Sense) before graduation; we encourage students to sign up for the course during 9th or 10th grade year.

**GRADE 9 COURSE REGISTRATION
WILL BE OPEN FROM
FEBRUARY 2-13, 2026.**

*We look forward
to seeing you next fall!*



From the Principal's Office

Dear Student and Parents:

The Career Planning and Course Guide:

This guide provides information that will help students choose classes for next school year. Selecting the appropriate classes for each student is important as it may impact a student's grade point average, eligibility to enroll in higher level courses, college admissions qualifications, athletic eligibility, and career preparedness.

My hope is that this guide provides you with helpful information that will assist in the planning process.

What Students and Parents Need to Discuss:

- What are the student's interests?
- What skills does the student possess that may develop into a career path?
- What challenges does the student possess that may impact future goals?
- What standard of living, lifestyle, and work environment is most appealing for the student?
- Will the student attend a university, technical college, an apprenticeship program, the military, or prepare for a career directly upon graduation?
- What financial considerations need to be a part of post-high school decisions?

Regardless of the student's post-high school goal, it is recommended that a student challenge themselves through appropriately rigorous coursework while maintaining a high level of academic achievement. Keeping options open as future plans change is best obtained through a high level of student preparedness.

Thank you for your active involvement in the registration process. I look forward to a great school year for every WCHS student!

Mr. Brian Borowski
WCHS Principal



Academic Items to Note

MINIMUM CREDIT LOAD

All WCHS Students are required to register for 3.0 credits* per semester unless otherwise defined by administration, IEP, or 504 Plan. *Teacher Assistant (TA) does NOT count toward a student's required 3.0 credit load per semester.

SCHEDULE CHANGES

Students will only be granted a schedule change request if one or more of the following criteria are met, and require the approval of parent and building principal:

- Graduation requirement (Grade 12 only)
- College admission requirement (Grades 11-12 only)
- Failure/Class repeat (Grades 10-12 only)
- Work based learning programs (Grades 11-12 only)
- Enrollment in an incorrect course "level"
- Documented medical circumstances

DROPPING A CLASS

A student may drop a course, without penalty, within the first seven (7) class periods of the semester, as long as it does not put the student below a full-time schedule of 3.0 credits*. Any course dropped after the seventh (7th) class period will be included on the student transcript with a W (withdrawal with a passing grade) or a WF (withdrawal with a failing grade). The specific notation will be at the discretion of the teacher and high school administration. Students are encouraged to carefully consider their course options prior to registration. For seniors: schedule change requests for academic courses must obtain prior approval from any colleges that have a submitted application. *Teacher Assistant (TA) does NOT count toward a student's required 3.0 credit load per semester.

REPEATING A CLASS

Classes may be retaken for credit with the approval of the high school principal when the grade for the class the first time it was taken was a failure. All classes taken will appear on the student's transcript and be utilized in computing the student's grade point average. The high school principal should use discretion in determining whether a student may retake a class. Classes are not to be retaken simply to improve the grade point average or class standing. In certain situations, a student may talk to their counselor about the option of retaking a class as a "no mark audit" (enrollment in a course for no grade and no credit).

COURSES COMPLETED OUTSIDE OF WAUNAKEE COMMUNITY HIGH SCHOOL

All coursework taken outside of WCHS must be approved in advance of starting the class, please see your school counselor, School to Career Coordinator, or Pathways Coordinator (Pathway students) for appropriate paperwork.

EARLY GRADUATION ([Waunakee BOE Policy 345.6, Item A](#))

The Board of Education acknowledges that some students are pursuing educational goals which include graduation from high school at an earlier date than their designated class. An application for early graduation must be submitted to the high school principal in accordance with school regulations. The principal may honor this request if all conditions for graduation are met and the student fulfills the graduation requirements. If a decision is made to deny the early graduation request, the student or parent/guardian may appeal the decision to the superintendent, whose decision shall be final. The student may participate in the graduation ceremonies with his/her designated class.

JUNIOR/SENIOR RESPONSIBILITY RELEASE PROGRAM ([Waunakee Student Handbook, page 18](#))

Students in good standing may substitute a release period for a study hall. Criteria for release are based on a review of academic grades, attendance, and behavior data.



Course Snapshot & Program of Study Summary

Notation Key:

C	UW-Oshkosh Cooperative Academic Partnership Program (CAPP)
DC	Dual Credit (with Madison College unless noted otherwise)
EM	Equivalency Math Credit
ES	Equivalency Science Credit
L1	One Laude Point
L2	Two Laude Points
N	NCAA Approved Course
P	Project Lead the Way (PLTW)
R	Satisfies a Required Course for Graduation

NOTE: L2 designation on music classes is contingent on four years of participation plus one class "A" solo

Programs of Study	Courses													Grade Levels	Semester	Notations		
	Advanced Manufacturing	Agriculture	Arts, Entertainment, & Design	Construction	Digital Technology	Education	Energy & Natural Resources	Financial Services	Healthcare & Human Services	Hospitality, Events, & Tourism	Management & Entrepreneurship	Marketing & Sales	Public Service & Safety				Supply Chain & Transportation	
Agriculture Education																		
Agriculture Business		X				X										11-12	1	
Agri Machine & Buildings	X	X		X		X								X		10-12	1	
Animal Science		X				X										10-12	1	ES, N
Food Science		X				X			X							10-12	2	
Introduction to Agriculture		X				X	X									9-10	2	
Landscaping Design		X				X	X									10-12	2	
Livestock & Equine Management		X				X										10-12	2	
Natural Resources I		X				X	X									9-10	1	
Natural Resources II		X				X	X									10-12	1	
Plant Science		X				X	X									9-12	1	
Small Animal & Pet Care		X				X										9-10	2	
Veterinary Science		X				X										10-12	2	ES
Art Education																		
2D Art Foundations			X			X						X				9-12	1 or 2	
3D Art Foundations			X			X						X				9-12	1 or 2	
3D Computer Animation			X	X	X				X		X					10-12	2	
3D Computer Animation II			X		X	X			X		X					11-12	2	
Advanced 2D Art			X			X					X					11-12	1	
Advanced 3D Art			X			X					X					11-12	2	
Advanced Art Workshop			X			X					X					12	2	L1
Art Metals			X			X					X					10-12	1	
Big IDEA	X	X	X	X	X	X					X		X			10-12	1 or 2	
Ceramics			X			X					X					10-12	1	
Drawing & Printmaking			X			X					X					10-12	2	
Graphic Design			X		X	X			X	X	X					9-12	2	
IDEA	X	X	X	X	X	X					X		X			9-12	1 or 2	
Painting			X			X					X					10-12	1	
Photography			X			X			X		X					10-12	2	
Photoshop			X	X	X				X	X	X					10-12	1	
Photoshop II			X	X	X				X	X	X					11-12	1	
Textiles			X			X					X					10-12	2	



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Programs of Study	Courses													Grade Levels	Semester	Notations	
	Advanced Manufacturing	Agriculture	Arts, Entertainment, & Design	Construction	Digital Technology	Education	Energy & Natural Resources	Financial Services	Healthcare & Human Services	Hospitality, Events, & Tourism	Management & Entrepreneurship	Marketing & Sales	Public Service & Safety				Supply Chain & Transportation
Business & Information Technology & Marketing																	
Accounting (DC)		X				X		X		X	X	X	X	X	10-12	1 & 2	DC
Advanced Accounting						X		X			X	X	X		11-12	1 & 2	L2
Career Workshop	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10	1 or 2	R
Concepts of Entrepreneurship (DC)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1	DC
Global Business						X		X	X	X	X	X	X		11-12	1	
Management & Ethics	X			X		X	X	X	X	X	X	X	X	X	11-12	2	N
Marketing 1 (DC)	X	X				X		X		X	X	X	X		10-12	1 & 2	DC
MS Office Basics	X	X			X	X			X	X	X	X	X	X	9-12	1 or 2	
MS Office for Business Apps (DC)	X	X			X	X	X	X	X	X	X	X	X	X	9-12	2	DC
New Product Dev & Market Research						S		X	X	X	X	X	X		11-12	2	
Personal Finance	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-10	1 or 2	R
Selling Principles (DC)						X		X	X	X	X	X	X	X	11-12	1	DC, L1
Social Media Marketing (DC)						X		X	X	X	X	X	X		11-12	1 or 2	DC, L1
Sports & Entertainment Marketing						X				X	X	X	X		11-12	2	
Video Editing and Digital Design			X		X	X				X	X	X	X		11-12	1	
Web Design			X		X	X				X	X	X	X		10-12	2	
Communication Arts																	
Advanced Composition	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1	N
Advanced Creative Writing	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	2	L1, N
Advanced English 9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9	1 & 2	L2, N, R
AP English Language & Composition	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11	1 & 2	L2, N
AP English Literature & Composition						X							X	X	12	1 & 2	L2, N
AP Seminar English 10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10	1 & 2	L2, N, R
American Literature						X								X	11-12	2	N
Creative Writing	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1 or 2	N
Dramatic Literature			X			X								X	11-12	1	N
English 9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9	1 & 2	N, R
English 10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10	1 & 2	N, R
Mass Media			X	X		X				X		X			11-12	2	N
Modern Literature						X								X	11-12	1	N
Multicultural Literature						X								X	11-12	2	N



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Courses	Programs of Study													Grade Levels	Semester	Notations	
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Communication Arts																	
Persuasion & Debate			X		X	X		X	X	X	X	X	X	X	11-12	2	N
Science Fiction Literature						X							X	11-12	2	N	
Speech	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1	N
Sports Media Production			X		X	X						X		11-12	1 &/or 2		
Women's Literature						X							X	11-12	1	N	
Computer Science																	
AP Computer Science A	X				X	X		X			X	X	X	X	11-12	1 & 2	EM, L2, N
AP Comp Sci Principles - Cybersec	X				X	X		X			X	X	X	X	10-12	1 & 2	L2, N
Computational Thinking	X				X	X		X			X	X	X	X	9-12	1 or 2	EM, N
Computer Science I	X				X	X	X	X	X		X	X	X	X	10-12	1 or 2	
Computer Science II	X				X	X	X	X	X		X	X	X	X	11-12	2	
Game Design			X		X	X					X	X	X	X	9-12	2	
Family and Consumer Science Education																	
Baking & Pastry Arts		X				X				X					10-12	1 or 2	
Child Care I						X			X	X					10-12	1	
Child Care II						X			X	X					11-12	2	
Creative Fashions			X			X						X			10-12	2	
Culinary Arts I		X				X				X					9-12	1 or 2	
Culinary Arts II		X				X				X					10-12	2	
Culinary Arts III		X				X				X					11-12	1 & 2	
Education in a Pluralistic Society (DC)						X			X						11-12	2	DC
Fashion & Fabrics			X			X						X			9-12	1	
Interiors & Housing Services			X	X		X						X			10-12	2	
Intro to Education & Teaching (DC)						X									11-12	1	DC
Personal Relationships	X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	1	
Health and Health Science Education																	
Advanced Health						X			X				X		11-12	1 or 2	
Foundations of Healthcare Delivery						X			X				X		9-12	1 or 2	
Health & Wellness	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10	1 or 2	R
Health Science Occupations						X			X				X		9-12	1 or 2	
Medical Terminology		X				X			X				X		10-12	1 or 2	DC



Course Snapshot & Program of Study Summary

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L1	One Laude Point
L2	Two Laude Points
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P	Project Lead the Way (PLTW)
R	Satisfies a Required Course for Graduation

NOTE: L2 designation on music classes is contingent on four years of participation plus one class "A" solo

Courses	Programs of Study														Grade Levels	Semester	Notations
	Advanced Manufacturing	Agriculture	Arts, Entertainment, & Design	Construction	Digital Technology	Education	Energy & Natural Resources	Financial Services	Healthcare & Human Services	Hospitality, Events, & Tourism	Management & Entrepreneurship	Marketing & Sales	Public Service & Safety	Supply Chain & Transportation			
Mathematics																	
Advanced Algebra	X			X	X	X	X						X		9-12	1 & 2	N
Algebra I	X			X	X	X	X						X		9-10	1 & 2	N
AP Calculus AB	X				X	X		X	X					X	11-12	1 & 2	L2, N
AP Calculus BC						X									12	1 & 2	L2, N
AP Statistics	X	X	X	X	X	X		X	X	X	X	X		X	11-12	1 & 2	L2, N
FST	X					X	X							X	10-12	1 & 2	N
FST/Pre-Calculus						X									10-12	1 & 2	L2, N
Geometry	X			X	X	X	X						X		9-11	1 & 2	N
Intro to Discrete Math					X	X									11-12	2	N
Intro to Statistics	X	X	X	X	X	X		X	X	X	X	X		X	11-12	1	N
Pre-Calculus	X				X	X	X	X	X		X	X	X		11-12	1 & 2	L2, N
Senior Mathematical Reasoning (DC)						X									12	1 & 2	DC, N
Music																	
Band			X	X	X	X			X	X	X	X			10-12	1 & 2	L2 (note)
Chorale			X	X	X	X			X	X	X	X			9-12	1 & 2	L2 (note)
Concert Band			X	X	X	X			X	X	X	X			9	1 & 2	L2 (note)
Concert Choir			X	X	X	X			X	X	X	X			10-12	1 & 2	L2 (note)
Digital Music Production			X	X	X	X			X	X	X	X			9-12	2	
Jazz Improvisation			X	X	X	X			X	X	X	X			9-12	1	
Music History			X	X	X	X			X	X	X	X			9-12	2	
Music Theory & Composition			X	X	X	X			X	X	X	X			10-12	1	
Philharmonic Orchestra			X	X	X	X			X	X	X	X			9	1 & 2	L2 (note)
Sonoro			X	X	X	X			X	X	X	X			11-12	1 & 2	L2 (note)
Symphony Orchestra			X	X	X	X			X	X	X	X			10-12	1 & 2	L2 (note)
The Music Workshop			X	X	X	X			X	X	X	X			9-12	1	



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	Advanced Manufacturing	Agriculture	Arts, Entertainment, & Design	Construction	Digital Technology	Education	Energy & Natural Resources	Financial Services	Healthcare & Human Services	Hospitality, Events, & Tourism	Management & Entrepreneurship	Marketing & Sales	Public Service & Safety	Supply Chain & Transportation			
Physical Education																	
Advanced Fitness						X							X		11-12	1 or 2	
Intro to Physical Education	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-10	1 or 2	R
Lifeguard Certification						X							X		10-12	2	
Lifetime Individual Activities						X							X		10-12	1 or 2	
Lifetime Team Activities						X							X		10-12	1 or 2	
Strength & Conditioning						X							X		10-12	1 or 2	
Strength & Conditioning II						X							X		10-12	1 or 2	
Unified Physical Education						X							X		10-12	1 or 2	
Science																	
AP Biology		X				X	X		X						11-12	1 & 2	L2, N
AP Chemistry						X									11-12	1 & 2	L2, N
Biology	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9	1 & 2	N, R
Biotech Career Apps (DC)		X				X	X		X						10-12	1	DC, N
Biotechnology (DC)		X				X	X		X						10-12	2	DC, L1, N
Chemical World						X									10-12	2	N
Chemistry	X			X		X	X		X				X	X	10-12	1 & 2	N
Ecology: Ecosystems of So. WI		X				X	X								11-12	1	N
Ecology: Environment & You		X				X	X								11-12	2	N
Geology						X	X								10-12	2	N
Human Anatomy & Physiology						X			X				X		11-12	1	N
Human Anatomy & Physiology II						X			X				X		11-12	2	N
Intro to Astronomy						X									10-12	1 or 2	N
Physical World						X									10-12	1	N
Physics	X			X	X	X	X						X		11-12	1 & 2	N
Physics II	X			X	X	X							X		12	1 &/or 2	L1 (sem), N
Principles of Biomedical Science						X			X						9-10	1 & 2	N, P
Principles of Engineering	X			X	X	X							X		11-12	1 & 2	ES, L2, N, P
Weather & Climate					X	X	X								10-12	1 or 2	N



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Social Studies																	
AP European History						X									11-12	1 & 2	L2, N
AP Macroeconomics	X	X		X	X	X	X	X			X	X	X	X	11-12	1	L1, N
AP Psychology				X	X	X		X	X	X	X	X	X	X	11-12	1 & 2	L2, N
AP US Government & Politics	X	X		X	X	X	X	X			X		X	X	11-12	1 & 2	L2, N
AP US History	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10-12	1 & 2	L2, N, R
African American Studies						X									11-12	2	N
America in Conflict - US Military Hist						X									11-12	1	N
Economics	X	X		X	X	X	X	X		X	X	X	X	X	11-12	1	N
Exploring Wisconsin	X	X				X	X			X		X	X		11-12	2	N
Issues in Psychology	X			X	X	X		X		X		X	X		10-12	1 or 2	N
Law	X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	1 or 2	N, R
Modern Global Studies		X				X	X			X		X			10-12	1	N
Social Problems		X		X		X	X		X	X		X	X		10-12	1	N
Sociology				X	X	X		X	X	X	X	X	X	X	10-12	2	N
Sports Psychology						X			X						11-12	1 or 2	N
US History	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10	1 & 2	N, R
US Indigenous Studies						X									11-12	1	N
World History	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9	1 & 2	N, R
Technology & Engineering Education																	
Architectural Drafting			X	X		X								X	11-12	2	
Auto Mechanics		X		X	X	X								X	11-12	2	
Basic Home & Auto Maintenance		X		X		X									11-12	2	
Big IDEA	X	X		X	X	X								X	10-12	1 or 2	
Construction I				X		X									10-12	1	
Construction II				X		X									10-12	2	
Digital Electronics	X			X	X	X	X							X	10-12	1 & 2	P
Engineering Design & Development	X			X		X								X	12	1 & 2	L2, P
IDEA	X	X		X	X	X								X	9-12	1 or 2	



Course Snapshot & Program of Study Summary

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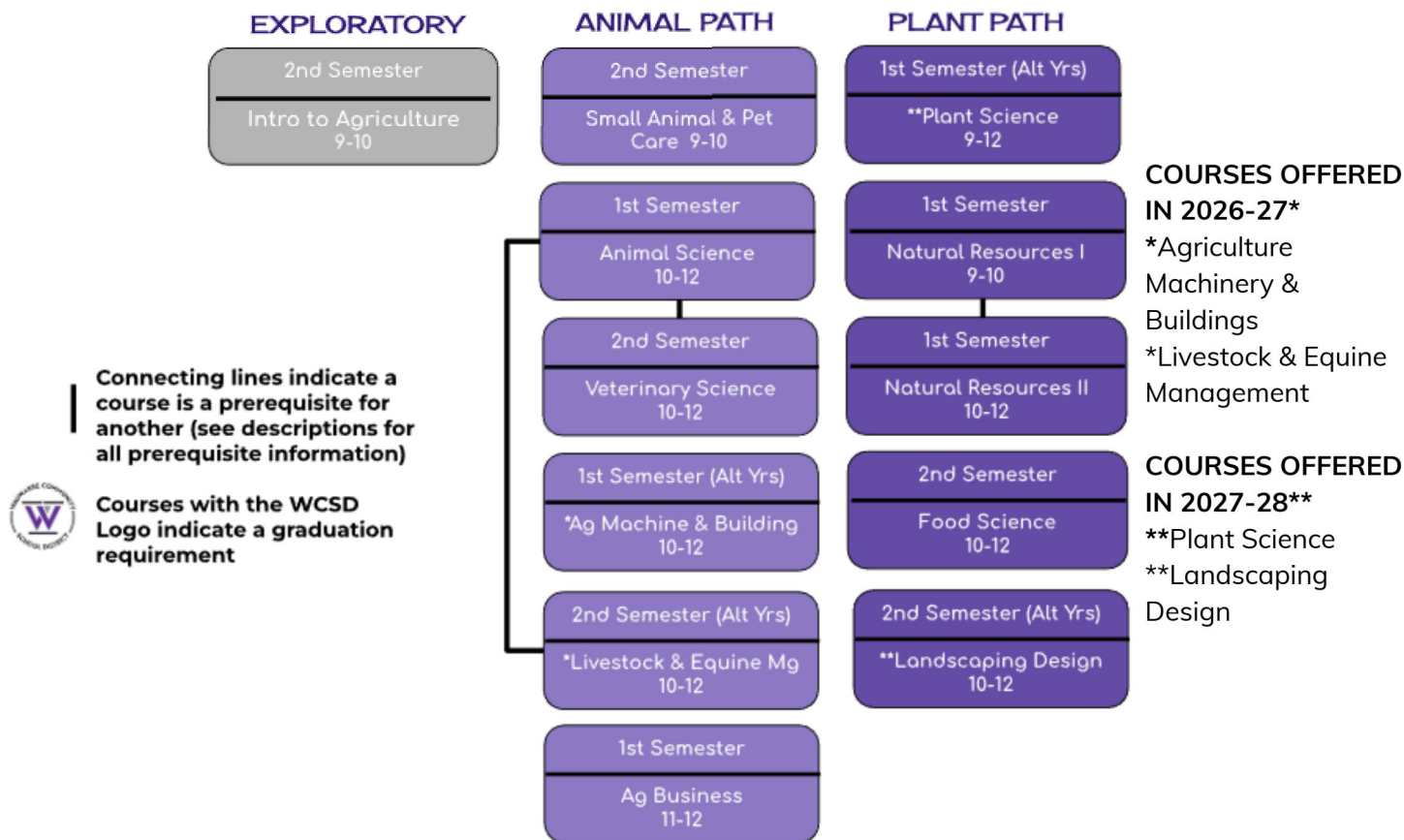
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Technology & Engineering Education																	
Intro to Engineering Design	X			X		X								X	9-12	1 & 2	P
Metal Fabrication (DC)	X	X		X		X	X							X	10-12	2	DC
Metal Technology	X	X		X		X	X							X	10-12	1	
Principles of Engineering (ES)	X			X	X	X								X	11-12	1 & 2	N, L2, P
Print Publications			X		X	X									9-12	1 &/or 2	
Small Engine Technology		X		X	X	X								X	10-12	1	
Welding (DC)	X	X		X		X	X							X	10-12	2	DC
Woods I	X			X		X									9-12	1	
Woods II	X			X		X									10-12	2	
World Language																	
French I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
French II	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
French III	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10-12	1 & 2	N
French IV	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1 & 2	N
French V	X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	1 & 2	C, L2, N
Mandarin Chinese I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
Mandarin Chinese II	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
Mandarin Chinese III	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10-12	1 & 2	N
Mandarin Chinese IV	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1 & 2	L2, N
Mandarin Chinese V	X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	1 & 2	L2, N
Spanish I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
Spanish II	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
Spanish III	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-12	1 & 2	N
Spanish IV	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10-12	1 & 2	N
Spanish V	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1 & 2	C, L2, N
Spanish VI	X	X	X	X	X	X	X	X	X	X	X	X	X	X	12	1 & 2	C, L2, N
Spanish Language Arts I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	9-10	1 & 2	N
Spanish Language Arts II	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11-12	1 & 2	N



Agriculture Education



INTRO TO AGRICULTURE (AGR1022)

0.5 credits, S2

9-10

Description: This course explores the remaining opportunities in the Agriculture Department. Students will actively investigate the different areas through projects, labs, hands-on activities and field trips. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Small/Large Animal Science – pets, horses, dairy, livestock, judging, hatching chicks; Leadership – Leadership Analysis – Techniques; Plant Science – identification, basic care; Food Science/Biotechnology meats, cheese and yogurt-making, product identification.

NATURAL RESOURCES I (AGR1011)

0.5 credits, S1

9-10

Description: This course will offer students the opportunity to explore natural resources through hands-on labs and activities. Career opportunities are investigated throughout the different units. This course is heavily based on lab activities and exercises, and involves extensive outdoor experiences. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Forestry, Water Quality, Soils, Wildlife, White-Tailed Deer, Natural Resource Management, Decision Making, and Careers.

PLANT SCIENCE (AGR1071)

0.5 credits, S1 (ALTERNATING YEARS)

9-12

Description: This course focuses on hands-on learning about plants through the use and management of the Greenhouse, Outdoor Education Center and the "Garden of Dreams" (School and Community Garden). As a class, students will maintain and improve the plant life of the Outdoor Education Center to learn the principles of plant science and landscaping. This course is heavily lab-based and much of the first half of the semester will be spent outside. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Careers, Landscaping, Floriculture (flowers, bouquets, and boutonnières), Propagation, Greenhouse Management, Plant Identification, Pruning, Plant Nutrients/Fertilizer, Gardening, Plant Management (lawn, tree, shrub, vegetable, and houseplants).



Agriculture Education

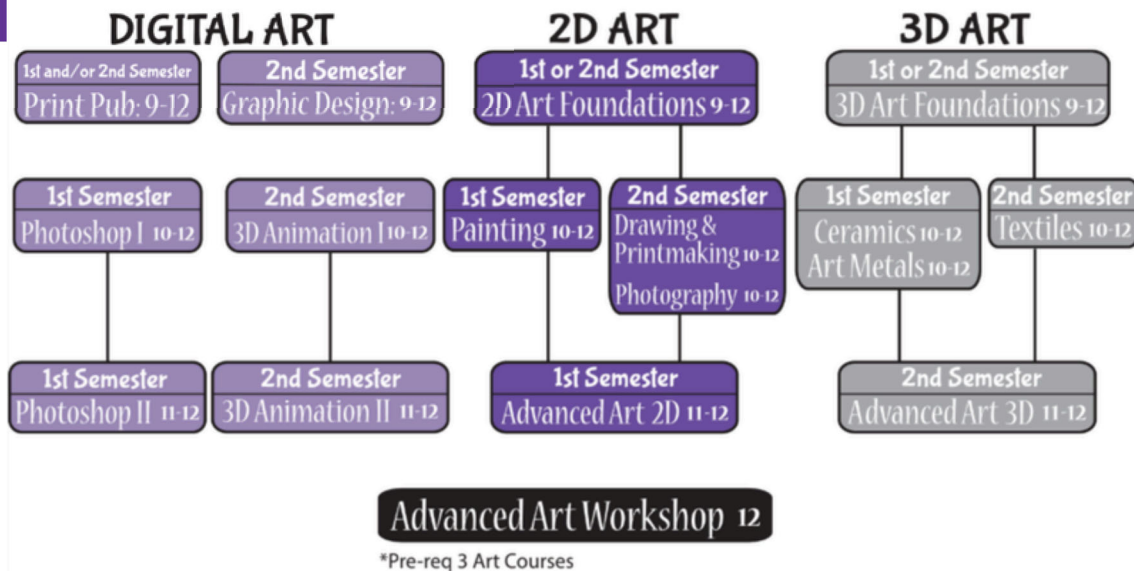
SMALL ANIMAL & PET CARE (AGR1082) 0.5 credits, S2

9-10

Description: Through projects, labs, and field trips, students will learn how to properly care for pets and recreational animals. Students will explore feeding, breeding, training and detection and control of disease and parasites. This course involves many hands-on activities with small animals and the care of project animals for the semester. Each student will complete an SAE Project, which allows them to explore and earn skills in a career/area of their choice. Units of Study include: Dogs, cats, rodents, fish, reptiles, exotics, cost of pets, choosing a pet, and nutrition and digestion.



Art Education



2D ART FOUNDATIONS (ART1011/1021) 0.5 credits, S1 or S2, \$10 Student Fee 9-12
Description: (Formerly Elements of Art 2D) Beginning level two-dimensional course which provides experiences in a variety of materials and techniques including drawing, painting, collage, printmaking, and photography. Covers a broad range of art topics, techniques, materials, genres, and concepts, including the elements and principles of design. In-class projects and out-of-class sketchbook assignments are required. No previous art experience necessary. This class is the prerequisite for the upper level 2D classes (Drawing & Printmaking, Photography, Painting).

3D ART FOUNDATIONS (ART1021/1022) 0.5 credits, S1 or S2, \$10 Student Fee 9-12
Description: (Formerly Elements of Art 3D) Beginning level three-dimensional course which provides experiences in a variety of materials and techniques including ceramics, paper mache, metal smithing (jewelry making), found-object assemblage, and more. Covers a broad range of art topics, techniques, materials, genres, and concepts, including the elements and principles of design. In-class projects and out-of-class sketchbook assignments are required. No previous art experience necessary. This class is the prerequisite for the upper level 3D classes (Ceramics, Art Metals, Textiles).

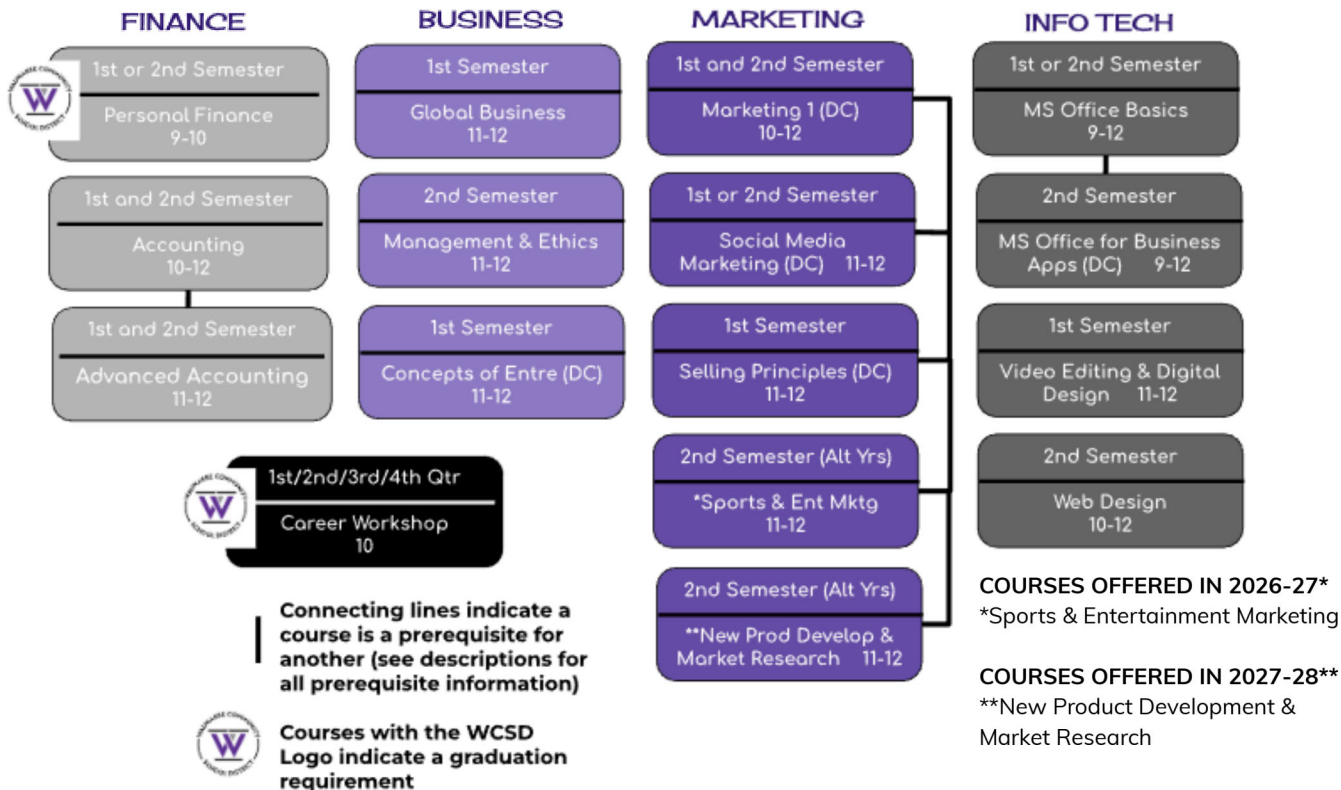
GRAPHIC DESIGN (ART1032) 0.5 credits, S2 9-12
Description: Basic design skills using Adobe with an emphasis on Illustration. Lessons will be based on concept development using the elements and principles of art. Text and gradients, shapes, color, drawing and composing, transforming and distorting objects, working with layers, patterns and brushes. The graphic design curriculum provides knowledge and skills necessary for employment in the Visual Arts Communication field. Units of Study include: Principles of design, vector art, creating text and gradients, drawing and composing, clipping masks, image trace, patterns and brushes.

IDEA (TEE1041/1042) 0.5 credits, S1 or S2, \$25 Student Fee 9-12
Description: See full course description under Tech Ed & Engineering.

PRINT PUBLICATIONS (TEE1101/1102) 0.5 credits, S1 and/or S2 9-12
Description: See full course description under Tech Ed & Engineering.



Business & Information Technology and Marketing



MS OFFICE BASICS (BUS1031/1032)

0.5 credits, S1 or S2

9-12

Description: MS Office Basics emphasizes professional, business document formatting that will prepare the student for using the Office Suite in high school, college and at work. The focus of this course is to build and format documents using programs like Word and PowerPoint. This course combined with MS Office Advanced provides the opportunity for students to earn one dual credit with Madison College. Units of Study include: Memos, Emails, Letters, Reports, Tables, Electronic Presentations, Proofreading & Editing, Numbers & Symbols as well as reinforcing keyboarding skills.

MS OFFICE FOR BUSINESS APPS (DC) (BUS1052)

0.5 credits, S2

9-12

Prerequisite | MS Office Basics

Description: The focus of Microsoft Office for Business Applications is to challenge students through the mastery of Microsoft Office Suite Applications including: MS Word, MS PowerPoint, MS Excel and MS Outlook. Students will learn problem solving and other advanced administrative skills through hands-on projects and the use of a Microsoft textbook that encourages and develops independent thinking, technical reading skills and strong time management. This course follows the same structure as the 3 credit Madison College Microsoft Office for Business Applications course. At the completion of this course, students have the opportunity to leave with college credit through Madison College and three Microsoft Office certifications in Word, PowerPoint and Excel.

PERSONAL FINANCE (BUS1011/1012)

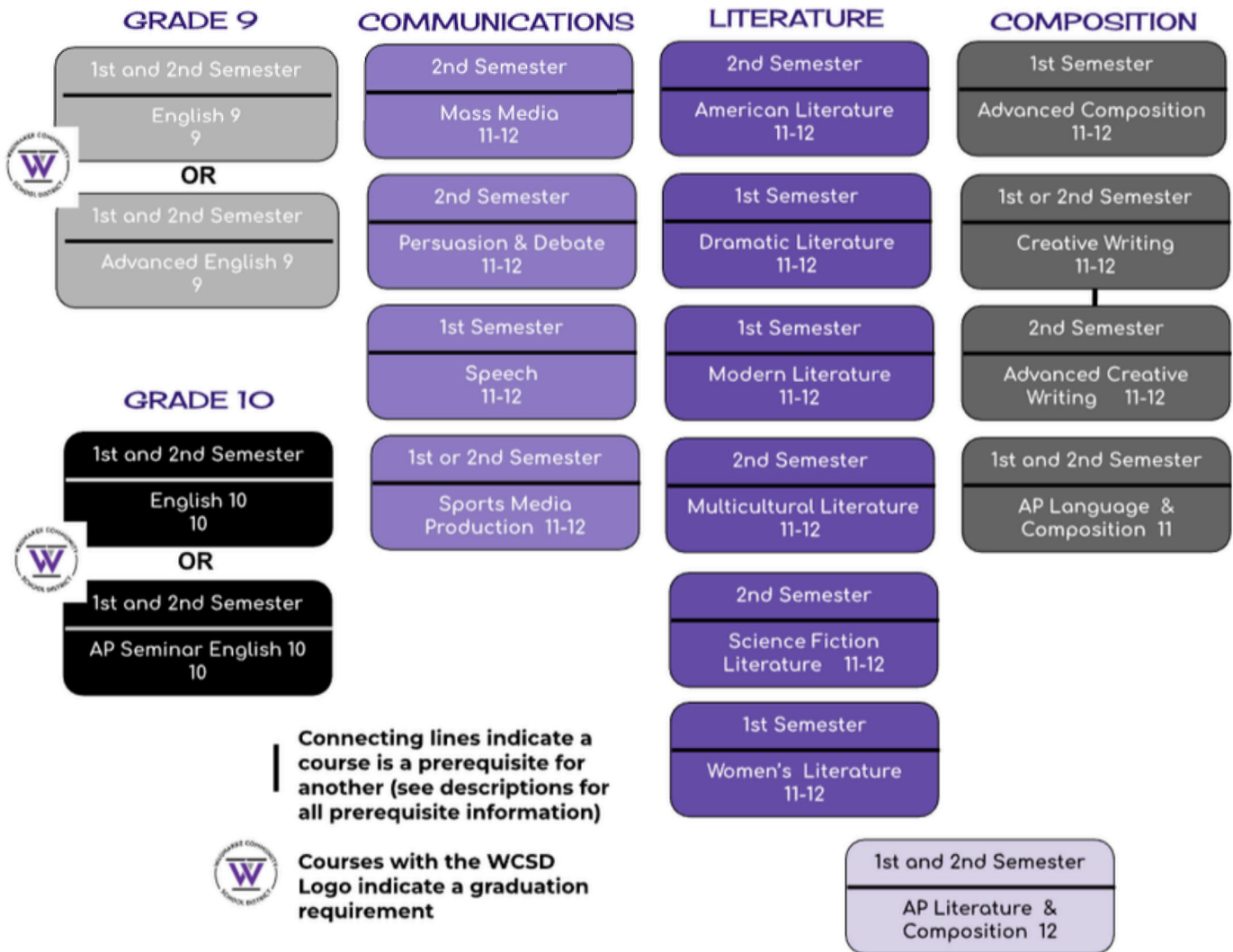
0.5 credits, S1 or S2

9-10

Description: (Formerly Dollars & Sense) Everyone needs to know basic personal finance skills such as checkbook management, electronic banking and fundamentals of insurance. Students will learn about the wise use of credit and gain insight into different forms of investing and saving. Students will also learn about the Federal Reserve System and services offered by banking institutions. Students will become aware of their financial responsibilities as a consumer and understand how to make wise financial decisions to positively impact their futures. Personal Finance will provide a basic foundation of finance topics. This is a required course for graduation beginning with the Class of 2028.



Communication Arts



ADVANCED ENGLISH 9 (ENG1021-1022) 1.0 credit, S1 and S2 9

Description: Advanced English 9 is designed to provide students who have a passion for literature and language with a solid foundation of analytical and communication skills. Students will develop their ability to read and analyze classical literature in order to determine the thematic purpose of the text. They will then develop and draw their own critical reactions regarding this literature. In addition, this class will improve students' abilities to conduct research and represent their thoughts in writing and speech. It also focuses on vocabulary development and the use of standard grammar conventions. Major texts for the course include: *The Crucible* by Arthur Miller, *Uncle Tom's Cabin* by Harriet Beecher Stowe, *A Tale of Two Cities* by Charles Dickens, and *To Kill a Mockingbird* by Harper Lee. Students taking Advanced English 9 are expected to maintain a more rigorous reading and writing schedule than students in English 9. They should also be prepared to actively participate in class discussion.

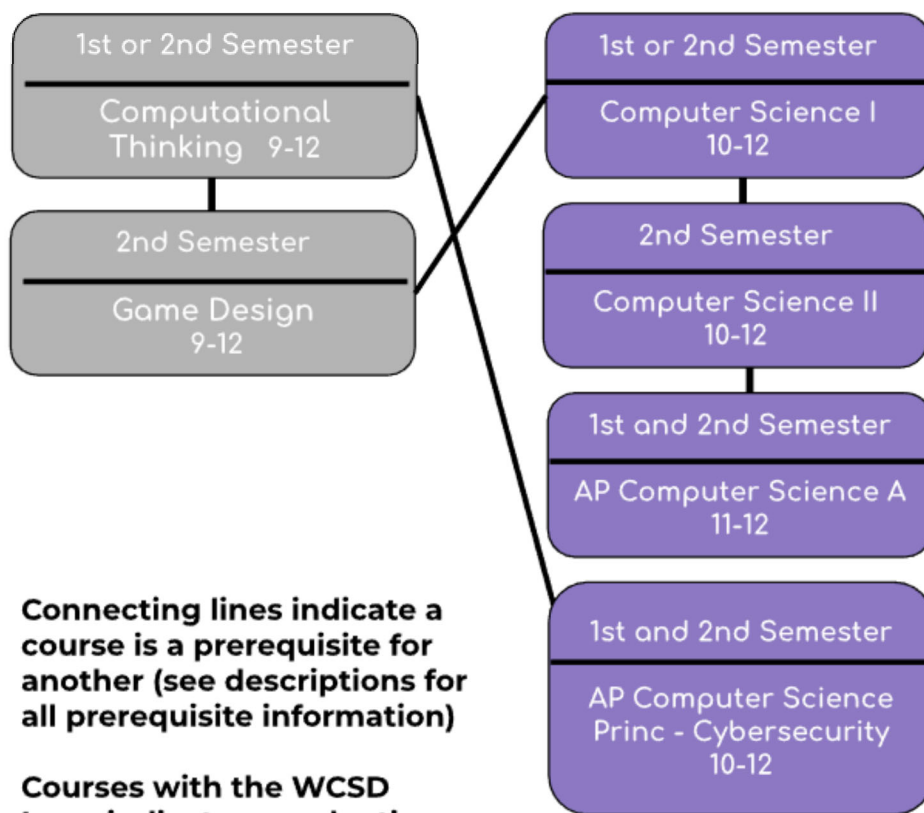
ENGLISH 9 (ENG1011-1012) 1.0 credit, S1 and S2 9

Description: English 9 is designed to provide students with a solid foundation of analytical and communication skills. To improve students' abilities to communicate, critical reading, writing, thinking, and discussion skills are stressed. Other integral parts of the course include developing vocabulary, grammar, and research skills. Writing Skills: The writing process will be incorporated throughout the year. Writings include a research paper and literary analysis essays. Language: Language skills will be reviewed throughout the year. Emphasis will be on understanding and applying grammatical usage rules in their writing. Literature: Students will analyze literary devices and themes in a variety of short stories. *The Odyssey*, *Twelfth Night*, and a dystopian unit featuring reading a choice of a dystopian novel.



Computer Science

FOUNDATIONAL



Connecting lines indicate a course is a prerequisite for another (see descriptions for all prerequisite information)



Courses with the WCS D Logo indicate a graduation requirement

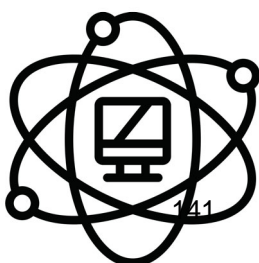
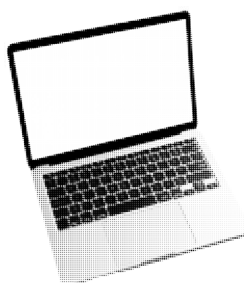
COMPUTATIONAL THINKING (CSC1022) 0.5 credits, S1 or S2, Equivalency Math Credit (EM) 9-12

Description: This class studies games and game design, and allows students to create their own games. Students study game theory, problem-solving techniques, and best design practices. Topics also include games in the modern world, and the emerging trend toward games in social networking, marketing, economics, and system modeling. Units of Study include: Game design, games and society, game theory, systems analysis, emergent behavior, scripting, artificial intelligence, and logic.

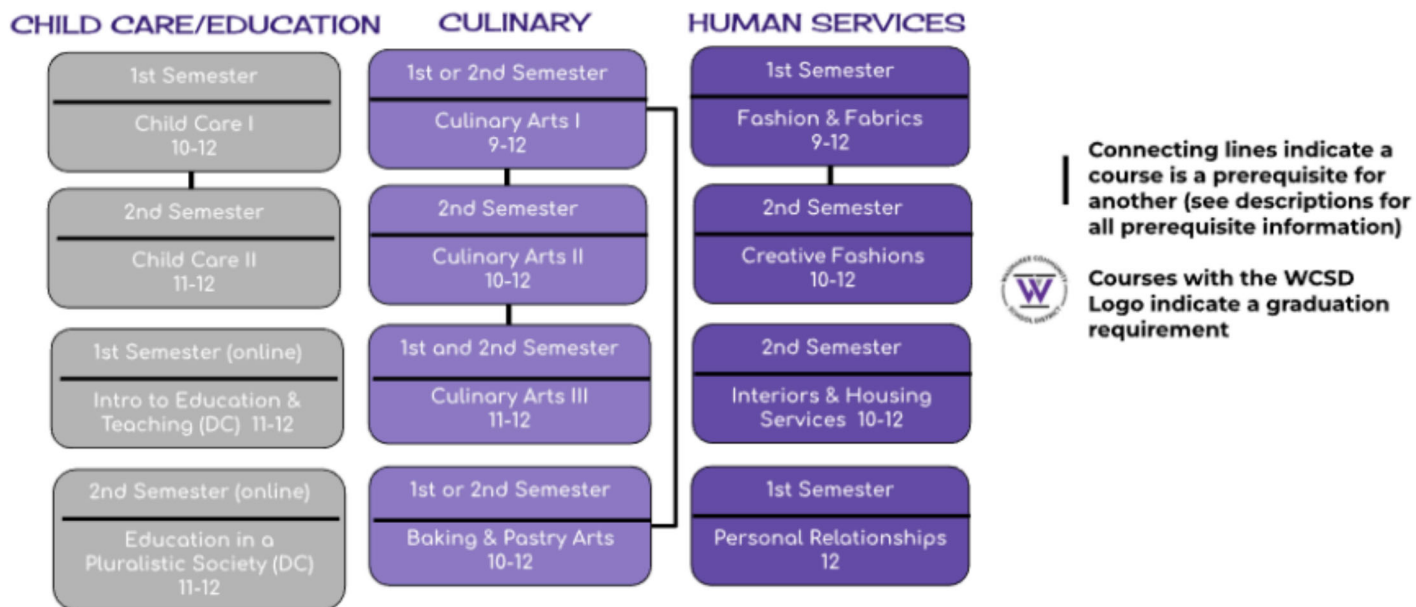
GAME DESIGN (CSC1022) 0.5 credits, S2 9-12

Prerequisites | Computational Thinking

Description: This class studies games and game design, and allows students to create their own games. Students study game theory, problem-solving techniques, and best design practices. Topics also include games in the modern world, and the emerging trend toward games in social networking, marketing, economics, and system modeling. Units of Study include: Game design, games and society, game theory, systems analysis, emergent behavior, scripting, artificial intelligence, and logic.



Family & Consumer Science



CULINARY ARTS I (FCS1011/1012)

0.5 credits, S1 or S2, \$40 Student Fee

9-12

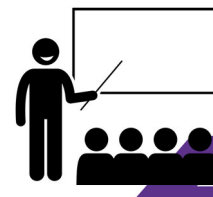
Description: Students will practice using a variety of cooking methods and equipment and will have the opportunity to participate in cooking labs. Units of Study include: nutrition and diet analysis, safety and sanitation, recipe reading and interpretation, fruits and vegetables, quick breads, dairy, grains, meats and other proteins, meal preparation and presentation.

FASHION & FABRICS (FCS1021)

0.5 credits, S1

9-12

Description: In this course, students will learn about the fashion industry, fashion designers, the history of fashion, and careers within the fashion industry as well as an introduction to basic sewing skills including hand and machine stitching, serging, selection of fabrics, and use of patterns. Sewing machines are used to complete individual clothing projects. Students must purchase their own materials and supplies.



Health & Health Science Education

HEALTH



HEALTH SCIENCE



Connecting lines indicate a course is a prerequisite for another (see descriptions for all prerequisite information)



Courses with the WCSU Logo indicate a graduation requirement

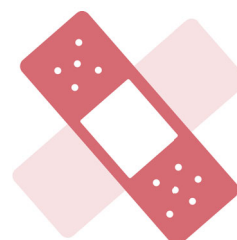
CNA Training is offered off-campus year-round, arranged through the STC Coordinator

FOUND OF HEALTHCARE DELIV (HLT1021/1022) 0.5 credits, S1 or S2 9-12

Description: Preparing future health care professionals with the knowledge and skills necessary to provide quality, patient-centered, safe, efficient, effective and equitable care. This course offers a foundation for all students wishing to enter any health care profession. We will explore legal and ethical issues, build cultural competence and examine cultural barriers. Students will develop skills in patient assessment and demonstrate effective communication of medical information. We will explore the human body, wellness practices and leading causes of death.

HEALTH SCIENCE OCCUPATIONS (HLT1011/1012) 0.5 credits, S1 or S2 9-12

Description: Get a jump start on a career in the rapidly growing health care industry! Explore careers in the following areas: Nursing, Rehabilitation, Laboratory, Dental Health, Mental Health, Radiology, Emergency Medicine, Environmental Health, Medical Office and Health Informatics. Students will demonstrate infection control and safety practices as well as basic technical skills such as obtaining vital signs.



Mathematics

Grade	OPTION I	OPTION II	OPTION III	OPTION IV	OPTION V Pathways Placement
5	Math 5	Math 5	Math 5	Math 5	Accel. Math 6
6	Accel. Math 6	Accel. Math 6	Accel. Math 6	Accel. Math 6	Accel. Math 7
7	Accel. Math 7	Accel. Math 7	Accel. Math 7	Accel. Math 7	Algebra I
8	Algebra I	Math 8 (Pre-Algebra)	Algebra I	Algebra I	Geometry
9	Geometry	Algebra I	Geometry AND Adv. Algebra (double-up)	Geometry	Adv. Algebra
10	Adv. Algebra	Geometry	FST	Adv. Algebra	FST
11	FST	Adv. Algebra	Pre-Calculus	FST/Pre-Calc	Pre-Calculus
12	Pre-Calculus and/or AP Statistics or Intro Stats/Discrete Mathematics or Madison College Dual Credit Course (Senior Math Reasoning)	FST or Intro Stats/Discrete Mathematics or Madison College Dual Credit Course (Senior Math Reasoning)	AP Calculus AB and/or AP Statistics	AP Calculus AB and/or AP Statistics	AP Calculus AB and/or AP Statistics

1. Other options may exist for identified individual students through the District Pathways (G/T) program and/or mathematics department recommendation. The district does provide ways for students to reach Calculus BC.
2. All acceleration prior to high school involves Pathways placement.
3. Math workshops (RTI) will run parallel to each math course at the middle school and high school for students identified as needing additional instruction and support (teacher referral).

Revised August 21, 2025



Mathematics

ADVANCED ALGEBRA (MAT2011-2012)

1.0 credit, S1 and S2

9-12

Description: Advanced Algebra emphasizes facility with algebraic expressions and forms, especially linear, quadratic, powers, roots, and functions based on these concepts. Students will study trigonometric, polynomial, exponential and other special functions both for their abstract properties and as tools for modeling real-world situations. Students will be expected to have a graphing calculator, preferably a Texas Instruments TI-83 Plus or TI-84 model.

ALGEBRA I (MAT1011-1012)

1.0 credit, S1 and S2

9-10

Description: Students will focus on the fundamental concepts of Algebra. Units of study include: Patterns and Sequences, Linear Equations and Inequalities, Describing Data, Describing Functions, Systems of Linear Equations and Inequalities, Exponential Functions, Quadratic Functions and Equations.

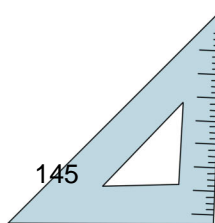
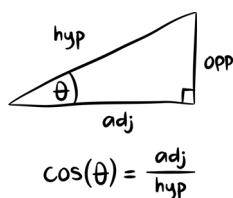
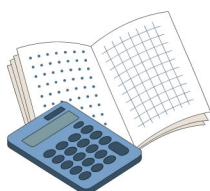
GEOMETRY (MAT1021-1022)

1.0 credit, S1 and S2

9-11

Prerequisite | Algebra I

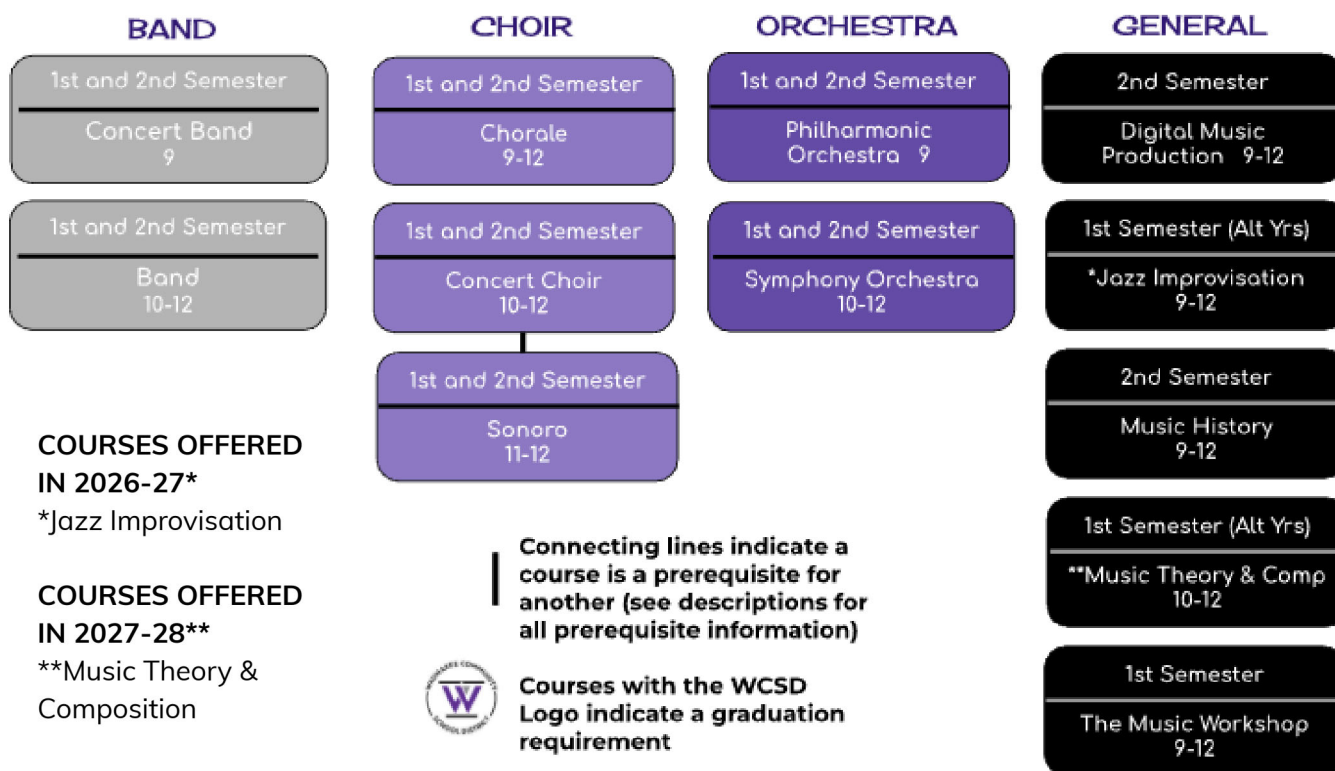
Description: Students will be expected to have a scientific calculator. This course formally develops a student's understanding of geometry. Students will use numerous examples and applications from the outside world along with hands on activities to develop a formal understanding of points, lines, angles, polygons, circles, three dimensional figures, transformations, congruence, similarity and proofs. Algebraic skills will be utilized. Units of Study include: Introduction to Geometry and Coordinate Geometry; Angles; Transformations; Introduction to Proof Writing; Polygons and Quadrilateral Properties; Perimeter and Area Circles; Surface Area and Volume; Similarity; Trigonometry and Constructions.



$$X = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



Music Education



CHORALE (MUS1111-1112)

1.0 credit, S1 and S2

9-12

Description: Chorale is an introductory ensemble designed for individuals who are new to choral singing at the high school and want to explore the fundamentals of singing in a choir. This course aims to develop participants' vocal skills, creativity, musicality, and ensemble singing abilities. Participants will learn basic vocal techniques, sight-singing, ear training, and the art of singing in harmony with others. Within large and small group instruction and through individual goal setting, students will enhance their skills and understanding in vocal technique, music literacy, music theory, rehearsal techniques, listening skills and ear training, collaborating with others, and sight reading.

CONCERT BAND (MUS1011-1012)

1.0 credit, S1 and S2, \$10 Student Fee (Uniform)

9

Description: Concert Band is a Freshmen only full-year class designed to transition students into the high school band program. All freshman band members are expected to attend summer band camp and perform in the Waunafest parade. Concert Band will have units of study to include marching band concepts, level appropriate musical skill-building, age/ability appropriate band literature, performance techniques and solo and ensemble. Required performances for this group consist of Marching Band performances during September & October, three formal concerts in December, March, & May, and solo ensemble performances in March. Members of this ensemble will have the same opportunities to play in cocurricular offerings such as Pep Band, Jazz Ensembles and Jazz Combo as students in grades 10-12.



Music Education

DIGITAL MUSIC PRODUCTION (MUS1342) 0.5 credits, S2

9-12

Description: Students in Digital Music Production will create a portfolio of music projects including digital music production, songwriting and multi-track recording. Students will create tracks, record instruments and voices, and sample other sound sources in a digital audio workstation. In addition, students will explore general music structures and conventions and basic music theory while creating music in multiple software applications including Logic Pro, Garage Band, Sibelius and Flat. This introduction to digital sound production will help expose students to a career in music production, digital communication or similar fields.

JAZZ IMPROVISATION (MUS1311)

0.5 credits, S1 (ALTERNATING YEARS)

9-12

Description: This course provides introductory and intermediate instruction of jazz improvisation. During the course of the semester, you will be exposed to a number of jazz styles. Through these styles students will study the fundamentals of improvisation to include chord structures, chord notation, chord progressions, scales, musical forms, listening to, transcribing and performing jazz music. Students will be expected to sing and/or play both in classroom situations and performance-based situations. By the end of the semester, the goal is to be comfortable with improvising over song forms including the 12 bar blues, AABA, and modal while utilizing a variety of scales. You must be able to read notes and rhythms. Students in this course will be welcomed to join the jazz combo, jazz ensembles or vocal jazz ensemble.

MUSIC HISTORY (MUS1322)

0.5 credits, S2

9-12

Description: This course provides an introductory survey of music fundamentals, music history, world music (to include Native American) music in theater and film, and music technology. Students will examine musical developments in various genres ranging from medieval to modern, jazz, pop/rock, and blues as they relate to major historical events, social movements, and cultural trends. Students will examine historical recordings to develop listening skills and distinguish specific characteristics among a variety of musical styles. Attendance at two live performances separate from regular class meetings is required.

PHILHARMONIC ORCHESTRA (MUS1211-1212) 1.0 credit, S1 and S2

9

Prerequisite | Prior String Instrument Experience

Description: Philharmonic Orchestra includes string players in grade 9. A wide variety of music is studied, including world folk, jazz, classical and traditional pieces. We perform 3 concerts a year and students have the opportunity to participate in the annual Solo Ensemble Festival in March. At this level, we focus on improving our string performing techniques such as advanced bowings and finger positions. Class time is also used to explore music history and music theory, as well as strengthen aural skills with ear training activities.

THE MUSIC WORKSHOP (MUS1331)

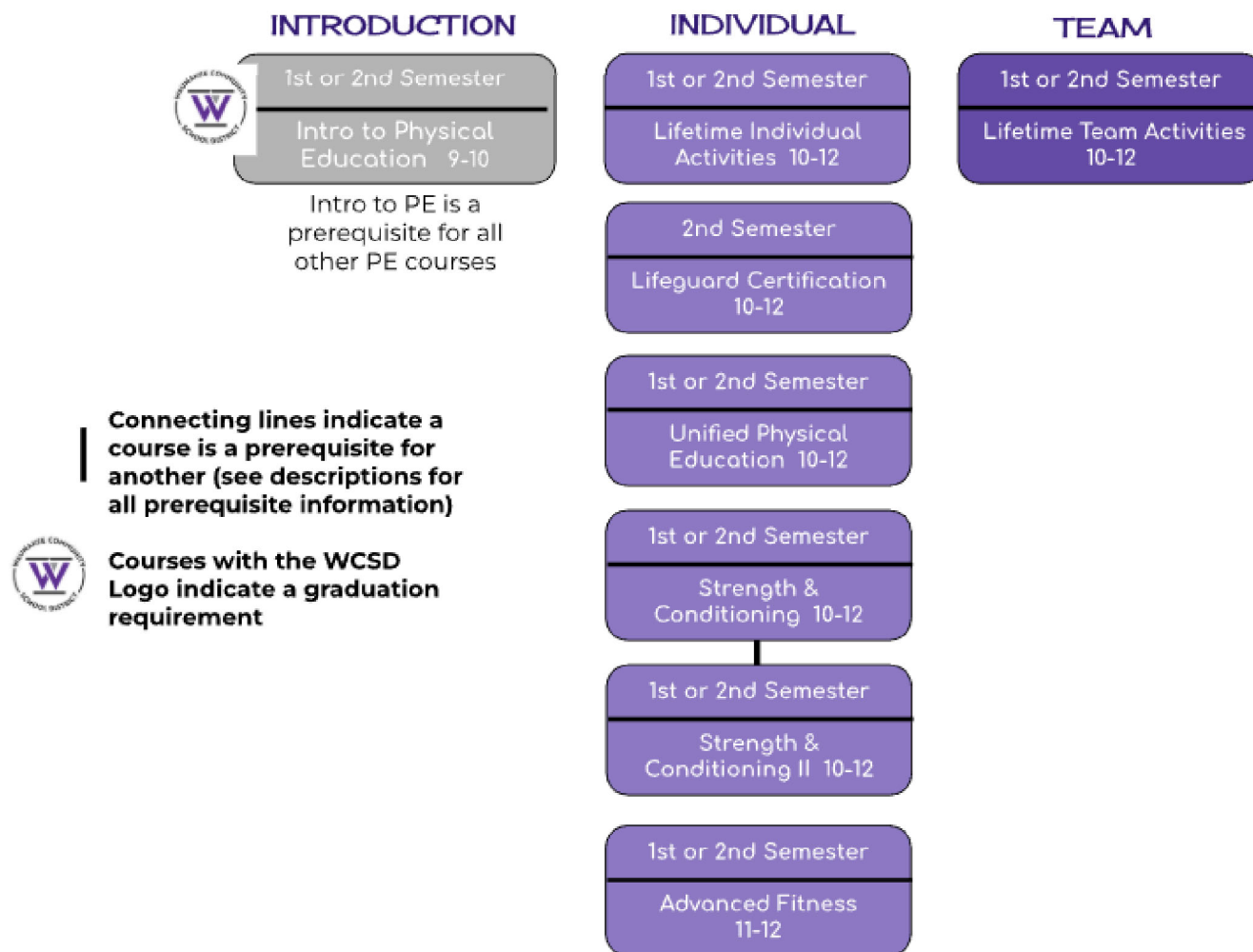
0.5 credits, S1

9-12

Description: Students in The Music Workshop will develop music making skills and explore music literacy in many forms using the medium of pop, folk and rock music. All students will explore playing guitar, electric bass, keyboard, drums and vocals, and use what they have learned to create rhythm ensembles, arrange their own music and explore music performance and/or recording.



Physical Education



INTRO TO PHYSICAL EDUCATION (PHY1011/1012) 0.5 credits, S1 or S2

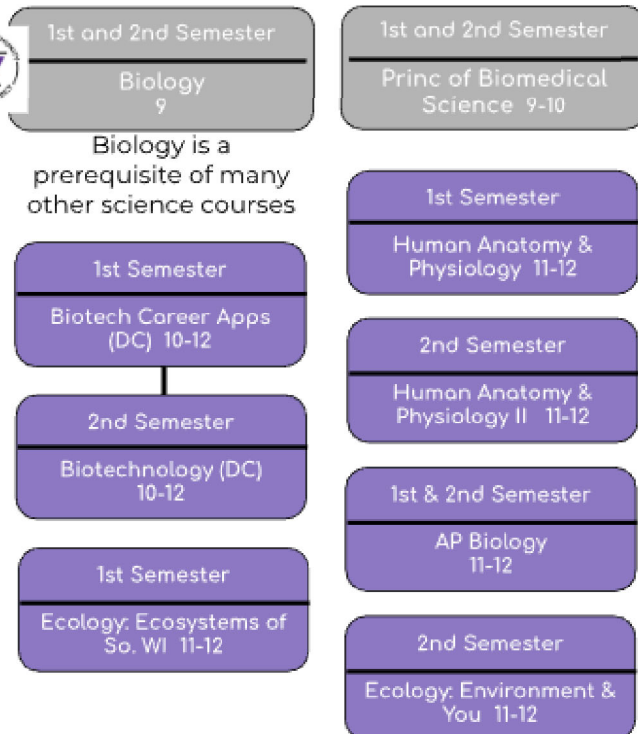
9-10

Description: Students must earn 1.5 credits of physical education to graduate from high school. Physical education at WCHS is designed to give students fitness knowledge and experience, skill development, activity knowledge and a positive attitude within a very comprehensive and unique list of offerings. Six units are offered each semester: Fitness, Volleyball, Swimming, Strength & Conditioning, Basketball, and Badminton.

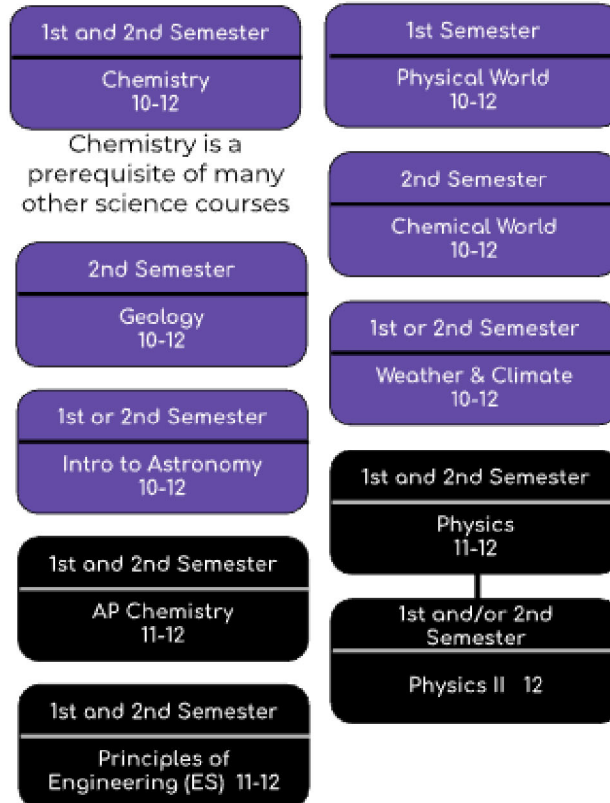


Science

LIFE SCIENCES



PHYSICAL SCIENCES



Connecting lines indicate a course is a prerequisite for another (see descriptions for all prerequisite information)



Courses with the WCSU Logo indicate a graduation requirement

BIOLOGY (SCI1011-1012)

1.0 credit, S1 and S2

9

Description: This is an introductory, survey course in Biology. Major themes of this course are: cells, genetics, evolution, diversity of life, organisms, human structure and function, and ecology. This course is designed as a basis for scientific learning and a general approach to the study of living things. Units of Study include: Classification, Ecology, Genetics, Intro to Evolution, Cellular Energy, Overview of Body Systems, Simple Chemistry – Organic Substances, Nucleic Acids, and Protein Synthesis.

PRINC OF BIOMEDICAL SCIENCE (SCI1021-1022)

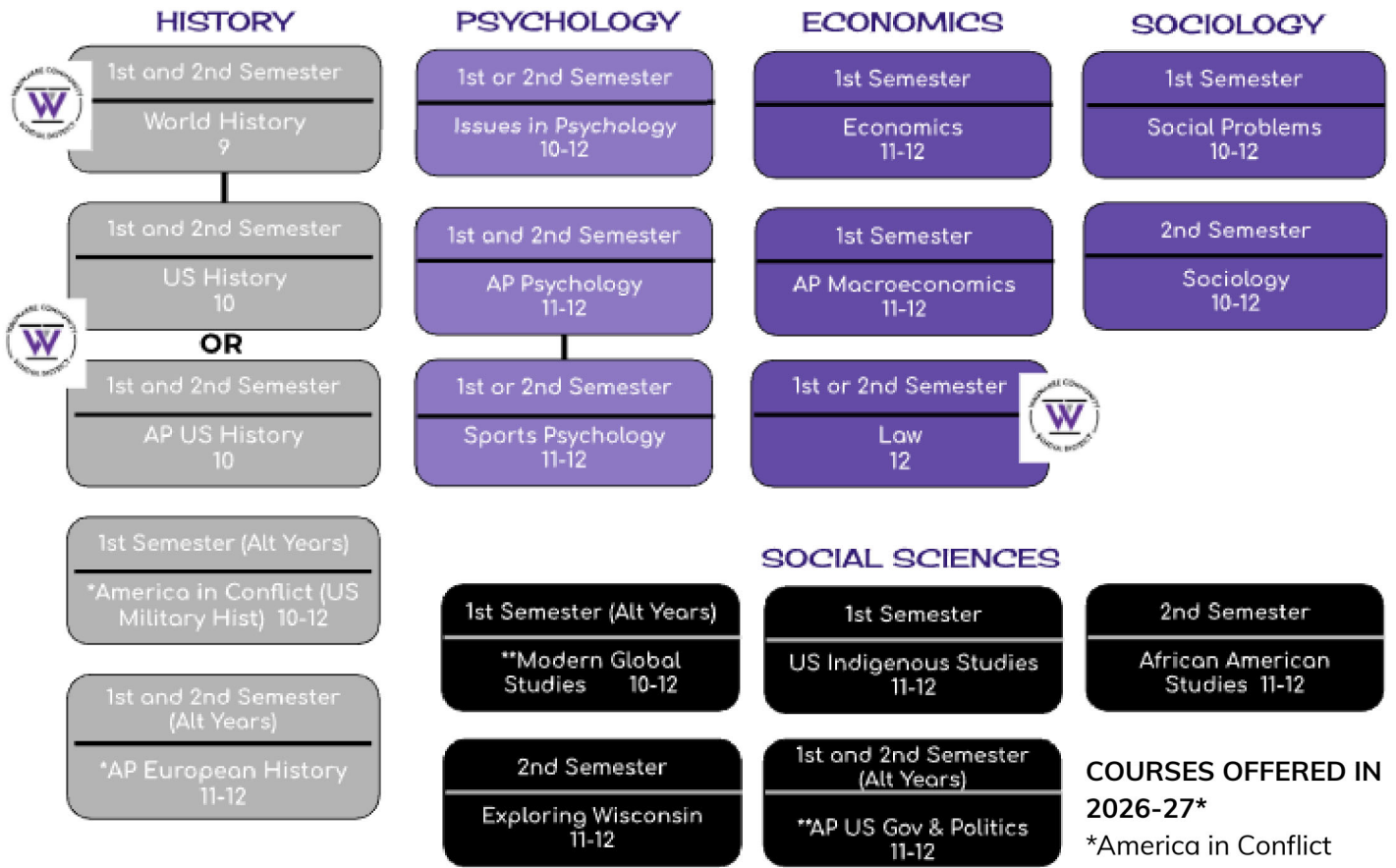
1.0 credit, S1 and S2

9-10

Description: This course provides an introduction to the field of biomedical science through exciting hands-on projects and problems. There are four major units: clinical care, forensic science, outbreaks/emergencies, and innovation. Students will determine the factors that led to the death of fictional characters by examining crime scene evidence and autopsy reports. They will explore biomedical science careers, human physiology, biology, medicine, and learn about health conditions including heart disease, diabetes, and infectious diseases.



Social Studies



Connecting lines indicate a course is a prerequisite for another (see descriptions for all prerequisite information)



Courses with the WCS Logo indicate a graduation requirement

COURSES OFFERED IN 2026-27*

- *America in Conflict
- *AP European History

COURSES OFFERED IN 2027-28**

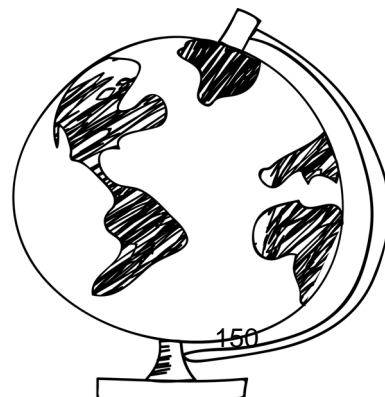
- **AP US Government & Politics
- **Modern Global Studies

WORLD HISTORY (SST1011-1012)

1.0 credit, S1 and S2

9

Description: This is a required class for freshmen. The emphasis is on the establishment of civilizations and empires throughout the world. We will study early civilizations in Africa, Asia, the Americas, India, Middle East, and Europe during first semester. Second semester will have a greater focus on classical and medieval civilizations.



Special Services

ENGLISH LANGUAGE LEARNING WORKSHOP 0.25 credits, S1 or S2

9-12

Description: The English Language Learning (ELL) Workshop is designed for beginning (Entering) to advanced intermediate (Expanding) Multilingual Learners (MLs). This course provides a content-based approach to language instruction, integrating English language development with academic content learning. The ELL Workshop also offers direct instruction and targeted practice in writing, supporting students in developing proficiency in academic English.

ENGLISH 9 & ENGLISH 10 WORKSHOP 0.25 credits, S1 or S2

9-10

Description: English 9 Workshop & English 10 Workshop are classes designed to help students be successful in both English class and all literacy-based subjects. Students in high school and college are required to read, analyze, and interpret complex content materials. This class will practice reading strategies, writing strategies, test-taking strategies, and study methods to help them become successful learners. This class depends on students' active participation in class, as well as assists in the application of specific learning strategies in content area classes. Students are generally required or recommended for this course based on several district criteria. Students should approach their English teacher if interested in being in this course.

FRESHMAN ACADEMY 1.0 credit, S1 and S2

9

Prerequisite | 8th Grade Interview & Recommendation

Description: Freshman Academy is a transitional program designed to help students acclimate to high school. The program was developed for students who are engaged in learning but may be struggling with Executive Functioning skills (Flexible Thinking, Working Memory, Self-Monitoring, Planning and Prioritizing, Task Initiation, and Organization). Some students may have anxiety towards school that may have contributed to poor attendance in the past. Students enrolled in Freshman Academy will attend the core subjects (Biology, English 9, World History and Math) with their classmates. Core Subject Teachers will modify the curriculum to meet the needs of the Freshman Academy students. Each day, following the two core subjects, students will attend Freshman Academy. During the Freshman Academy course, both core subject teachers will provide academic support for the students. Instructors will also review a variety of life skills such as organization, time management, motivation, and resilience. Students will also have the opportunity to take 2 elective courses each semester. The 3rd hour Freshman Academy class will act as a Study Hall. Unlike a regular Study Hall in the high school, students in Freshman Academy will earn a half a credit each semester. By the end of their freshman year, students enrolled in Freshman Academy will have the opportunity to earn 8 credits.

HERITAGE BILINGUAL SCIENCE 1.0 credit, S1 and S2

9-12

Description: By recommendation only. This program offers a year of Heritage Bilingual Biology and/or a year of Heritage Bilingual Environmental Science in alternating years for English Language Learners recommended for the program.

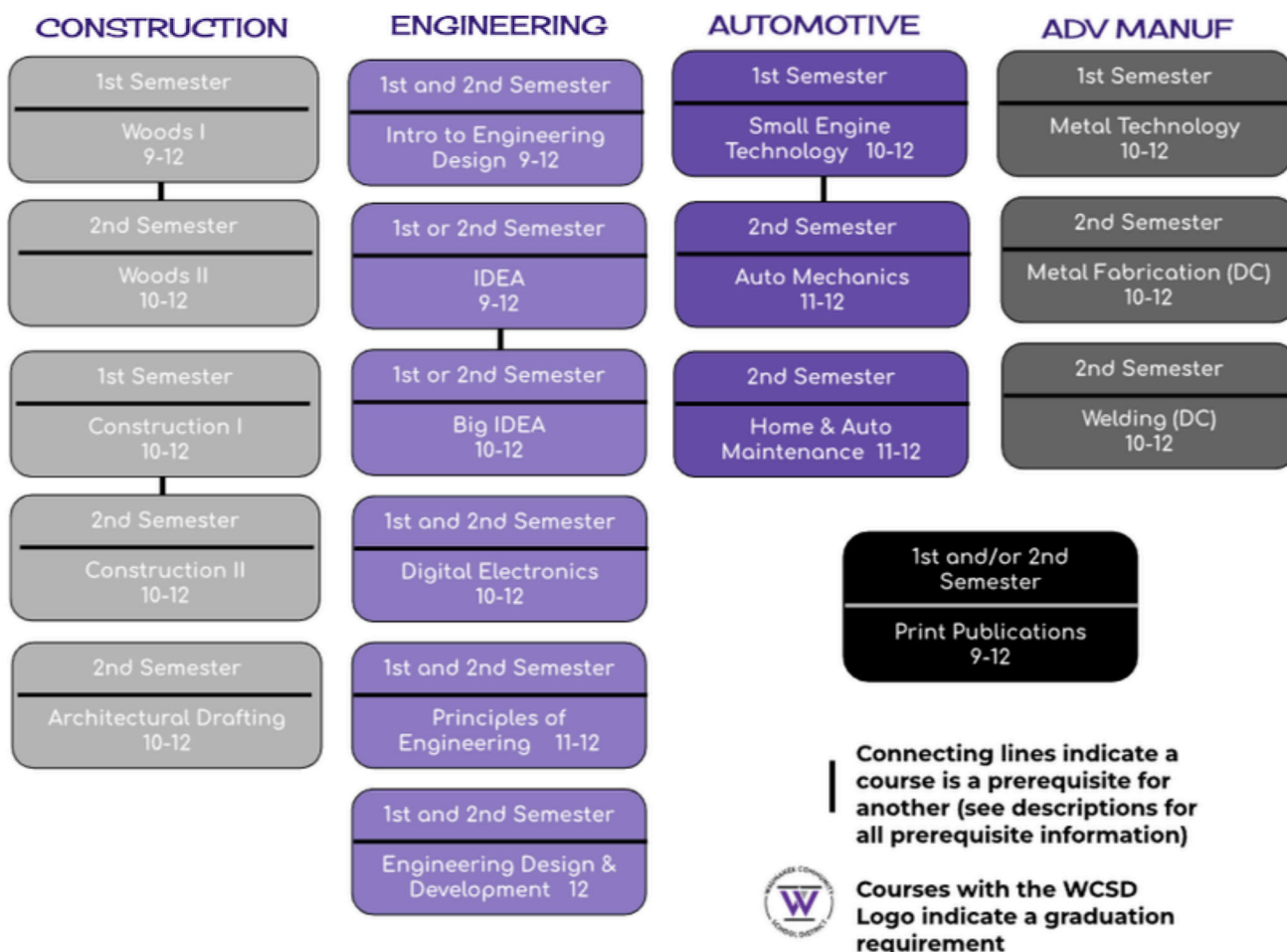
MATH WORKSHOP 0.25 credits, S1 or S2

9-12

Description: By recommendation only. Math workshop is a class designed to run parallel to high school math courses. Students enrolling in Algebra, Geometry or Advanced Algebra may be placed in a math workshop by teacher recommendation in addition to their regular math course. Math workshop offers additional instruction and support for students who need additional time to be successful in their math coursework. Math workshop is scheduled during a student's study hall and meets for half of the block.



Technology & Engineering Education



IDEA (TEE1041/1042)

0.5 credits, S1 or S2, \$25 Student Fee

9-12

Description: Do you want to use state-of-the-art equipment to design, build, and test almost anything you can dream of? Would you like to develop the technological, problem-solving, and hands-on skills desired by employers? If your answer is yes, then this course is for you. In IDEA, computer-controlled fabrication technologies such as 3D printers, CNC routers, vinyl cutters, and milling machines will be used to transform a product idea into its tangible form. Students will explore many interrelated career fields, including engineering, science, math, art, graphic design, computer aided design, electronics, and entrepreneurship.

INTRO TO ENGINEERING DESIGN (TEE1011-1012) 1.0 credit, S1 and S2

9-12

Description: Introduction to Engineering Design (IED) is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based learning. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. Students who successfully complete semesters 1 & 2 may be eligible to receive technical college or university credit for this course. Credit awarded, if any, is determined by each university or technical college.



Technology & Engineering Education

PRINT PUBLICATIONS (TEE1101/1102)

0.5 credits, S1 and/or S2

9-12

Description: In this fast-paced class the Print Publications staff learns about and produces the school's annual yearbook "Whipurwauna" and the monthly news publication, The Purple Sage. Students will learn Photography, Basic Design, Page Layout, Press Law, and Production Skills as well as 21st Century Technology skills. Students work cooperatively to decide content and produce the school yearbook and newspaper during class. Students who are interested in writing, editing, design, art, photography, and social media/print production are strongly encouraged to take this class. Print Publications may be taken multiple years. This class is recommended for extremely creative and talented 9-12 graders who want to leave their fingerprint on their school by working on award winning publications that will live on long after graduation. This class is a semester-long class and students may add this class both semester if their schedule permits enrolling for the entire year.

WOODS I (TEE1081)

0.5 credits, S1, \$40 Student Fee

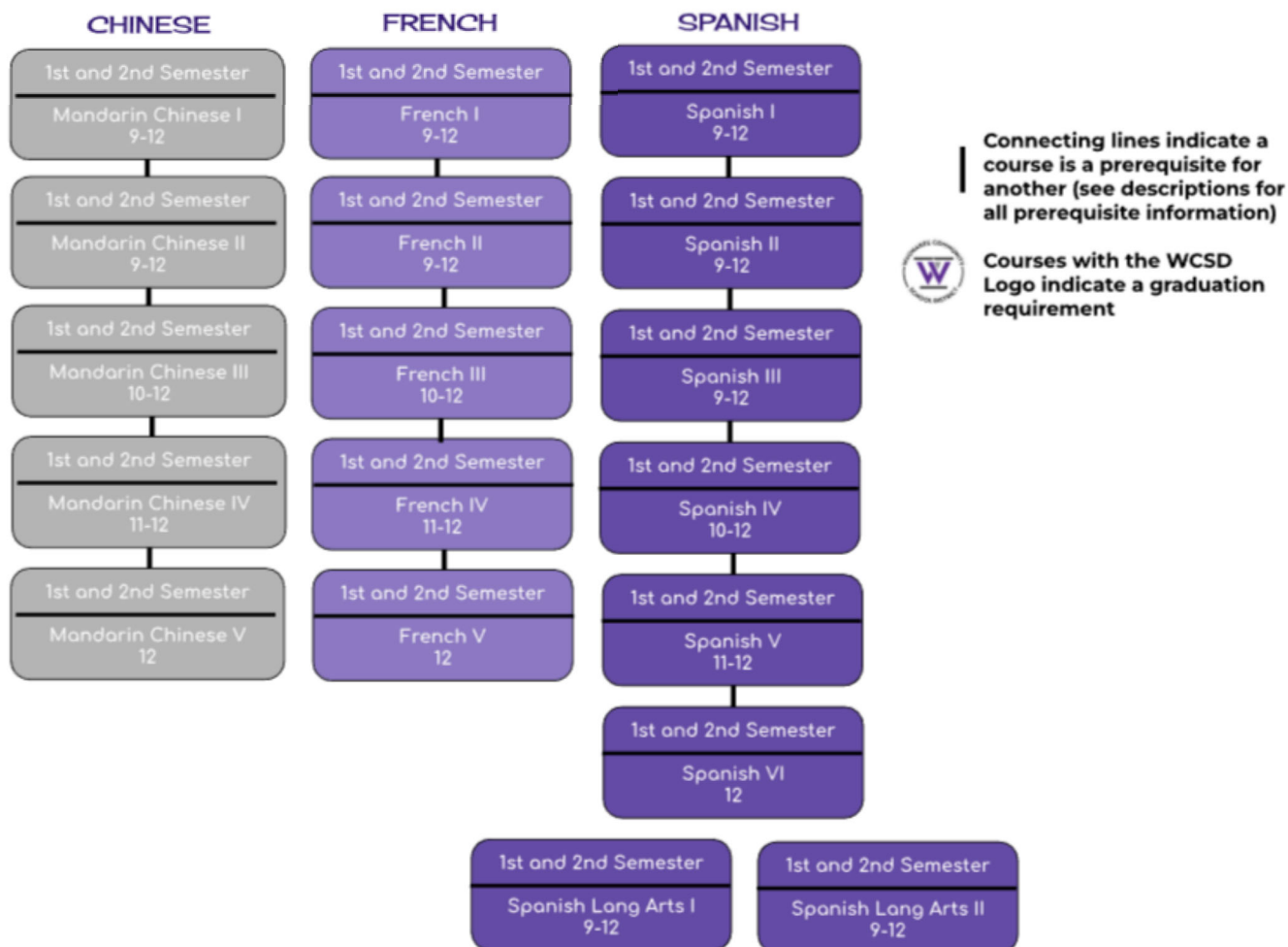
9-12

Description: Do you have an interest in fine woodworking skills and the equipment used to make these types of projects? Woods I will teach you the correct fundamental skills to safely use both hand and power tools while you learn basic skills of fine woodworking. Students will learn proper woodworking methods including designing and layout, selection of materials, machining procedures, joint construction, and finishing concepts. Students will be required to design, plan, and create one project of their own choice towards the end of 1st semester. This class is highly recommended for any student who has an interest in a designing or construction pathway. Units of Study include: Safety, Joinery, Finishing, Design Techniques, Blue Print Planning & Construction, Project Procedural Outline, Board Foot Calculation, and Basic Linear Measurement.

#yearbook



World Language



FRENCH I (WLA1111-1112)

1.0 credit, S1 and S2

9-12

Description: Focus on communicating in French on introductory topics with comparisons to the French-speaking world.

FRENCH II (WLA1121-1122)

1.0 credit, S1 and S2

9-12

Prerequisite | French I

Description: Continue building on reading, writing, listening, and speaking in French through cultural exploration of the Francophone world, with an emphasis on France.

MANDARIN CHINESE I (WLA1211-1212)

1.0 credit, S1 and S2

9-12

Description: In Mandarin Chinese I, students will learn Chinese language for specific purposes in a variety of situations with ever-increasing linguistic and cultural accuracy. Students will begin learning both spoken and written aspects of the language. As written Chinese is very different from English, a good amount of time will be spent learning the foundation of written language within the context of the spoken language. Students will learn culturally relevant information about various themes and be able to talk about them in different ways. Students will begin to acquire cultural knowledge and culturally appropriate interaction skills essential for basic communication and begin to develop real-life uses for Chinese within the community. Students will develop insights into their own language and culture through linguistic as well as cultural comparisons with the Chinese language and culture. Students will become aware of the use of Chinese in their community and will access Chinese cultural learning material through technology. Students should expect to actively participate and to have daily homework to practice their skills, frequent quizzes, and performance assessments in all skills: listening, speaking, reading, and writing.

World Language

MANDARIN CHINESE II (WLA1221-1222) **1.0 credit, S1 and S2** **9-12**

Prerequisite | Mandarin Chinese I

Description: Mandarin Chinese II is a continuation of Mandarin Chinese level I where students will further develop their skills in listening, reading, speaking, and writing with an emphasis on communication skills in "real world" situations in greater depth. This year students will become more capable of using their own language skills in various situations with increased complexity. Students will continue to focus on developing verbal and written skills through a variety of activities and projects. The theme of level two is "empowering". Students will learn culturally relevant information with the theme of "being empowered" and will be able to talk about them in different ways. Students will begin to acquire cultural knowledge and culturally appropriate interaction skills essential for basic communication and begin to develop real-life uses for Chinese within the community. Students will develop insights into their own language and culture through linguistic as well as cultural comparisons with the Chinese language and culture. Students will become aware of the use of Chinese in their community and will access Chinese cultural learning material through technology. Students should expect to actively participate and to have daily homework to practice their skills, frequent quizzes, and performance assessments in all skills: listening, speaking, reading, and writing.

SPANISH I (WLA1011-1012) **1.0 credit, S1 and S2** **9-12**

Description: Focus on communicating in Spanish about topics that are relevant to students and their lives. Cultural comparison with Mexico.

SPANISH II (WLA1021-1022) **1.0 credit, S1 and S2** **9-12**

Prerequisite | Spanish I

Description: Continue building skills of reading, writing, listening, and speaking in Spanish through a focus on Spain.

SPANISH III (WLA1031-1032) **1.0 credit, S1 and S2** **9-12**

Prerequisite | Spanish II

Description: Students improve their proficiency in the language by applying it in a variety of ways. Cultural focus in South America.

SPANISH LANG ARTS I (WLA1051-1052) **1.0 credit, S1 and S2** **9-10**

Description: (Formerly Spanish for Heritage Speakers). This course is designed to help freshman and sophomore heritage and native Spanish/English speakers develop both language and cultural bi-literacy in an environment where students' background knowledge and personal experiences are valued and utilized. Students will refine their communication skills with project based activities based on themes and individual goals. Prerequisites: Advanced fluency in oral Spanish and desire to become bi-literate. This course may be repeated.



Bonjour



Course Registration Timeline 26-27

Registration Information Presented

- *Advisory lesson
- *Student/family messaging
- *Information on counseling site

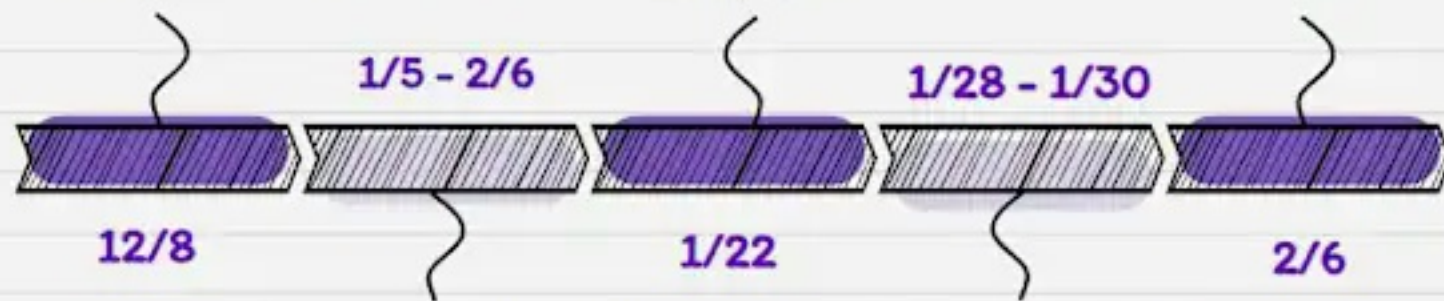
Future Freshman Night

- *For incoming 9th and families

Xello Course Submission Deadline

- *Submit course requests in Course Planner

156



Student Course Planning

- *Review video demos.
- *Consult with teachers/counselor/family
- *Input requests into Xello Course Planner

Registration Class Meetings

- *Grade level information review
1/28 (11), 1/29 (10), 1/30 (9)
- *Xello Course Planner submission help
2/3, 2/4

ABOUT OUR COMMUNITY AND DISTRICT

The Waunakee Community School District is located in Waunakee, WI in the County of Dane. Waunakee is a suburban community contiguous with Madison to the south. Based on the latest data from the US census, the population of Waunakee is 16,363 with an area of 7.1 sq. miles. It is one of the most rapidly growing communities in Dane County.

Waunakee Community High School is a public school educating students in grades 9 through 12. The district is a collaborative learning community that works with students, staff, families, and the community to ensure that every student is ready for college and career.

OUR DISTRICT MISSION

Committed to Children...Committed to Community...Committed to Excellence

OUR HIGH SCHOOL MISSION

Preparing all learners* today to meet the challenges of tomorrow.
 * Learners are defined as students, staff and parents.

OUR ADMINISTRATIVE TEAM

Dr. Monica Kelsey-Brown, Superintendent
 Brian Borowski, Principal
 Nick Conrad, Activities Director
 Chad Gauerke, Associate Principal
 Steve Hernandez, Associate Principal
 Deanne Lensert, Associate Principal

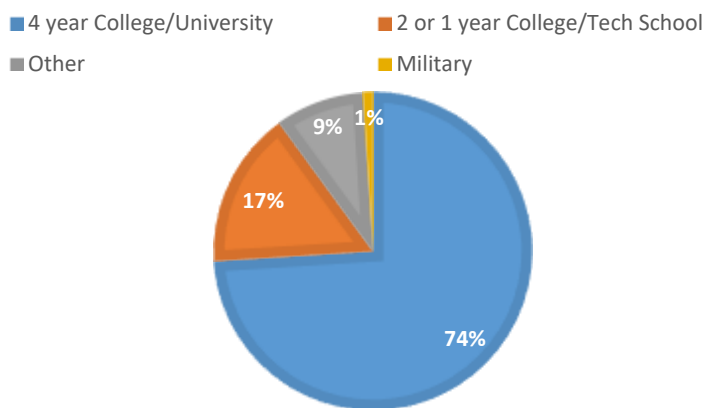
OUR COUNSELING TEAM

Melissa Bacher, ext. 2325
 melissabacher@waunakee.k12.wi.us
 Kim Bonsett-Veal, ext. 2324
 kimberlybonsett-veal@waunakee.k12.wi.us
 Mark Landis, ext. 2323
 marklandis@waunakee.k12.wi.us
 Sarah Stimart, ext. 2322
 sarahstimart@waunakee.k12.wi.us

OUR REPUTATION

- Ranked #1 overall among all Dane County school districts by the Wisconsin Department of Public Instruction
- Recognized as a Top High School in Madison area by *US News and World Report* and *Niche*
- Recognized as a Top United States High School by *US News and World Report*
- Earned 2025 AP School Gold Honor Roll – 72% of seniors took at least one AP exam during high school, 64% of seniors scoring a three or higher on at least one AP exam, and 23% of seniors who took five or more AP exams
- Ranks as the eighth nationally and holds the No. 1 ranking in Wisconsin as the best school district for athletes according to Niche's 2025 Best School Districts in America

POST HIGH SCHOOL PLACEMENTS FOR 2025 WCHS GRADUATES



HISTORIC POST HIGH SCHOOL PLACEMENTS

2024 Graduates	
68%	4 Year College/Univ.
17%	2 or 1 Year College/Tech School
15%	Other
0%	Military
2023 Graduates	
64%	4 Year College/Univ.
15%	2 or 1 Year College/Tech School
19%	Other
2%	Military

CONTACT US

Main Office:
 608.849.2100
 Counseling Office:
 Extension: 2115
 FAX 608.849.2490
 CEEB Code: 502 395

FACULTY STATISTICS

111 Full Time
 2 Part Time
Highest Degree
Earned and Distinctions
 67 Bachelor's Degree
 46 Master's Degree
 4 Nat'l Board Cert.
 3 Kohl Fellowships
 1 Presidential Award for Excellence-Math & Sci

GRADUATION REQUIREMENTS

4.0 English
 3.0 Mathematics
 3.0 Social Studies
 3.0 Science
 0.25 Career Workshop
 0.25 Health
 0.5 Personal Finance (Class of 2028+)
 1.5 Physical Education
 9.0 Electives*

*All students are encouraged to take 2.0 credits in a single foreign language, required and/or highly recommended by most universities for admission. Electives may come from any content area.

GRADUATION RATE

99.4% 2024-2025

ENROLLMENT

(From Jan. 2025)
 Gr. 9-12 - 1,330
 Senior Class of 2025 - 331

GRADING SCALE (Unweighted)

A+ = 4.3	C+ = 2.3
A = 4.0	C = 2.0
A- = 3.7	C- = 1.7
B+ = 3.3	D+ = 1.3
B = 3.0	D = 1.0
B- = 2.7	D- = 0.7
F = 0	

LAUDE SYSTEM

The purpose of the Laude System is to recognize students for the rigor of their academic program as well as their success in that program. The Laude System replaces the use of class rank at WCSD. This award system is in addition to the gold Honor Cords that are awarded for GPAs of 3.6 or higher. Laude courses are noted on our curriculum listing.

AP COURSES

AP Biology
 AP Calculus AB
 AP Calculus BC
 AP Chemistry
 AP Computer Science A
 AP Macroeconomics
 AP European History
 AP Language & Comp
 AP Literature & Comp
 AP Psychology
 AP US Gov. and Politics
 AP US History
 AP Statistics

DUAL CREDIT COURSES

Accounting
 Biotech Career Apps
 Biotechnology
 Concepts of Entrepreneurship
 Education in a Pluralistic Society
 French V
 Intro to Education & Teaching
 Marketing 1
 Medical Terminology
 Metal Fabrication
 MS Excel & Access
 MS Office Advanced
 MS Office for Business Apps
 Senior Mathematical Reasoning
 Spanish V
 Spanish VI
 Welding

PLTW COURSES

PROJECT LEAD THE WAY

Digital Electronics
 Intro to Engineering Design
 Principles of Biomedical Science
 Principles of Engineering

ACADEMIC STANDING

It is the policy of the Board of Education of the Waunakee Community School District that class rank is not routinely provided. Waunakee Community High School holds high academic standards, and it is our hope that you look upon factors other than class rank in determining the admission of the student whose application accompanies this profile.

GPA TRENDS

The grade point trends listed below reflect the average for all WCSD students in grades 9-12 for each academic year.

Year	Academic Honors 3.0-3.49 GPA	High Honors 3.5-3.99 GPA	Superior Honors 4.0+ GPA	% of all HS Students, with a 3.0 GPA or higher
2024-25	21.3%	33.6%	24.6%	79.5%
2023-24	18.5%	30.9%	22.0%	71.5%
2022-23	19.7%	31.2%	21.0%	71.9%
2021-22	15.6%	27.2%	24.5%	67.5%
2020-21	21.9%	22.0%	14.3%	67.1%

NATIONAL MERIT HONORS

2025 Graduates: 2 Finalists; 3 Commended
2024 Graduates: 6 Finalists; 4 Commended
2023 Graduates: 4 Finalists; 5 Commended
2022 Graduates: 2 Finalists; 4 Commended
2021 Graduates: 1 Finalists, 0 Commended

ACT RESULTS

The scores listed reflect the average scores of our 11th grade students tested each year as stated in the ACT Profile Report for WCHS.

Class	Waunakee	Wisconsin	National	% Took Test
2025	23.1	19.4	19.4	93%
2024	22.2	19.4	19.4	92%
2023	22.5	19.4	19.5	90%
2022	22.8	19.4	19.8	94%
2021	23.6	20.0	20.3	94%

ADVANCED PLACEMENT (AP) STATISTICS

Waunakee Community High School offers 13 AP Courses. Other AP Courses may be taken online with approval of a School Counselor or the Pathways Coordinator.

Year	Students Taking One or More Exams	Total # of Exams Taken	% of Exams with Score of 3 or Higher
2025	522	890	87%
2024	487	892	86%
2023	511	840	74%
2022	470	760	75%
2021	450	748	69%

WAUNAKEE COMMUNITY HIGH SCHOOL CURRICULUM OFFERINGS

Agriculture & Natural Resources

Agricultural Business
 Agriculture Machine & Buildings - @
 Animal Science - ES, N
 Food Science
 Intro to Agriculture
 Landscaping Design & Practice - @
 Livestock & Equine Management - @
 Natural Resources I
 Natural Resources II
 Plant Science - @
 Small Animal and Pet Care
 Veterinary Science - ES

Art Education

2D Art Foundations
 3D Art Foundations
 3-D Computer Animation
 3-D Computer Animation II
 Advanced Art 2D
 Advanced Art 3D
 Advanced Art Workshop - L1
 Art Metals
 Big IDEA (Innovation, Design, Engineering, & Art)
 Ceramics
 Drawing & Printmaking
 Graphic Design
 IDEA (Innovation, Design, Engineering & Art)

WAUNAKEE COMMUNITY HIGH SCHOOL CURRICULUM OFFERINGS

Art Education cont.

Painting
Photography
Photoshop I
Photoshop II
Textiles

Business & Info Technology and Marketing Education

Accounting – DC
Advanced Accounting - L2
Career Workshop
Concepts of Entrepreneurship – DC
Global Business
Management & Ethics - N
Marketing 1 – DC
Marketing 2 – L2
MS Excel and Access – DC
MS Office Advanced-DC -thru '24-'25
MS Office Basics – thru '24-'25
MS Office For Business Apps - DC
Personal Finance (was Dollars & Sense)
Sports & Entertainment Marketing
Video Editing and Digital Design
Web Page Design

Communication Arts

Advanced Composition – N
Advanced Creative Writing - N, L1
Advanced English 9 – N, L2
Advanced English 10 – N, L2
AP English Language & Comp - N, L2
AP English Literature & Comp - N, L2
American Literature – N
Creative Writing – N
Digital Communications
Dramatic Literature – N
English 9 – N
English 10 – N
English 9 or English 10 Workshop
Mass Media – N
Modern Literature – N
Multicultural Literature – N
Persuasion & Debate – N
Science Fiction Literature – N
Speech – N
Women's Literature – N

Computer Science

AP Computer Science A –EM, N, L2
Computational Thinking – N
Computer Science I
Computer Science II
Game Design
IT Essentials – through 2024-2025

Family & Consumer Sciences

Baking & Pastry Arts
Child Care I
Child Care II
Creative Fashions
Culinary Arts I
Culinary Arts II
Culinary Arts III
Fashion & Fabrics
Interiors & Housing Services
Personal Relationships

Health & Health Science Education

Advanced Health
Foundations of Health Care Delivery
Health and Wellness
Health Science Occupations
Medical Terminology – DC

Mathematics

Advanced Algebra – N
Algebra I – N
AP Calculus AB – N, L2
AP Calculus BC – N, L2
AP Statistics – N, L2
FST/Pre-Calculus – N, L2
Functions, Statistics & Trigonometry – N
Geometry – N
Intro to Discrete Math – N
Intro to Statistics – N
Pre-Calculus – N, L2
Senior Mathematical Reasoning – DC, N

Music

Band – L2
Chorale
Concert Band – L2
Concert Choir – L2
Digital Music Production
Jazz Improvisation
Music History
Music Theory & Composition
Philharmonic Orchestra
Sonoro
Symphony Orchestra – L2
The Music Workshop

Physical Education

Advanced Fitness
Lifeguard Training
Lifetime Individual Activities
Lifetime Team Activities
Introduction to Physical Education
Strength & Conditioning
Strength & Conditioning II
Unified Physical Education

Science

AP Biology - N, L2
AP Chemistry - N, L2
Biology – N
Biotech Career Apps - DC
Biotechnology – DC, N, AS, L1
Chemical World – N
Chemistry – N
Ecology: Ecosystems Southern WI – N
Ecology: Environment & You – N
Geology – N
Heritage Bilingual Biology – N, @
Heritage Bilingual Environmental Sci – N, @
Human Anatomy & Physiology I – N
Human Anatomy & Physiology II – N
Introduction to Astronomy – N
Physical World – N
Physics – N
Physics II - N, L1
Principles of Biomedical Science - N, P
Principles of Engineering - ES, N, P
Weather & Climate – N

Social Studies

AP Macroeconomics – N, L1
AP European History – N, L2, @
AP Psychology – N, L2
AP US Government & Politics – N, L2, @
AP US History – N, L2
African American Studies - N
America in Conflict-US Mil His – N, @
Economics – N
Exploring Wisconsin – N
Issues in Psychology – N
Law – N
Modern Global Studies – N
Social Problems – N
Sociology – N
Sports Psychology - N
United States History – N
US Indigenous Studies - N
World History – N

Technology & Engineering Education

Architectural Drafting
Auto Mechanics
Basic Home & Auto Maintenance
Big IDEA (Innov., Design, Engineering, & Art)
Construction I
Construction II
Digital Electronics – P
Engineering Design & Development – P
IDEA (Innovation, Design, Engineering, & Art)
Introduction to Engineering Design – P
Metal Fabrication – DC
Metal Technology
Principles of Engineering - ES, N, P
Print Publications (Yearbook prior to 2022-23)
Small Engine Technology
Welding - DC
Woods I: Fine Woodworking
Woods II: Advanced Furniture Theory

World Language

French I – N
French II – N
French III – N
French IV – N
French V - N, L2, CAPP
Intermediate French for Proficiency
Intermediate Spanish for Proficiency
Mandarin Chinese I – N
Mandarin Chinese II – N
Mandarin Chinese III – N
Mandarin Chinese IV - N, L2 (L2 thru '27)
Mandarin Chinese V – N, L2
Spanish Language Arts I - N
Spanish Language Arts II - N
Spanish I – N
Spanish II – N
Spanish III – N
Spanish IV – N
Spanish V - N, L2, CAPP
Spanish VI - N, L2, CAPP

AS – Advanced Standing	DC – Dual Credit
CAPP – UW-Oshkosh Cooperative Academic Partnership Program	
CLEP – College Level Examination Program prep course	
EM – Equivalency Math Credit	
ES-Equivalency Science Credit	L1 – One laude point
L2 – Two laude points	N – NCAA Approved
P – Project Lead the Way	@ - Alternating Year Course

WCHS ATHLETICS

Adaptive Sports
Baseball
Boys Basketball
Boys Golf
Boys Hockey
Boys Lacrosse
Boys Ski &
Snowboard
Boys Soccer
Boys Swimming
Boys Tennis
Boys Track/Field
Boys Volleyball
Cheer-Football
Cheer-Winter
Cross Country
Dance Team
Equestrian Team
Football
Girls Golf
Girls Gymnastics
Girls Hockey
Girls Lacrosse
Girls Ski &
Snowboard
Girls Soccer
Girls Swimming
Girls Tennis
Girls Track/Field
Girls Volleyball
Mountain Biking
Softball
Wrestling

The Warrior Way

Waubakee Community High School staff and administration strive to improve the quality of instruction and performance of our student body through various programs and opportunities. Additionally, a point of pride in our school community is engaging stakeholders in discussions that guide the direction of our school.

- ✓ **Academic and Career Planning**
WCHS staff members and administration are committed to engaging students and helping every WCHS student create an academic and career plan through planning and goal-setting. School counselors meet with every sophomore student and their family to discuss academic & career options.
- ✓ **Industry Recognized State Certifications**
Students are able to earn industry recognized certifications through many of our Career & Technical Education courses offered at the high school. These include the following:
 - Adobe Certifications
 - A*S*K Principles of Marketing, Principles of Management, and Principles of Finance Certifications
 - Assistant Child Care Teacher Certification
 - Certified Nursing Assistant Certification
 - Microsoft Office Specialist Certifications in MS Access, MS Excel, MS PowerPoint, and MS Word
 - OSHA 10 Construction Certification
 - Youth Apprenticeship Certifications
- ✓ **Career Based Learning**
Employability Skills • Intro to Education & Teaching (DC) L1 • Education In A Pluralistic Society (DC) L1 • Internships (Education, WNC, Warrior Media) • Kokopelli Kafe • Youth Apprenticeships L2

WCHS CO-CURRICULARS

A Cappella
Animal Welfare Protection Society
Art Club
Asian Student Club
Athletic Leadership Team
Aviation Club
Best Buddies
Black Student Union
Chamber Orchestra
Chinese Club
Class Officers
Club America
Conservation Club
Consort
DECA
Drama Club / Thespian Troupe
Dreamers/Los Soñadores
ECO- Environ. Compassionate Club
eSports
Family, Career, & Community
Leaders of America
Fellowship of Christian Athletes
FFA Organization
FFT Trap Shooting Club
Fishing Club
Folk Band
Forensics
French Club
Future Business Leaders of America
Future Educators Club
Future Liberal Leaders
Future Problem Solvers
Genders & Sexualities Alliance
HOSA – Future Health Professionals
Interact
Jazz Combo
Jazz Ensemble(s) I & II
Kee Notes Vocal Jazz Ensemble
Letters of Love
LMTC Student Book Club
Manga & Anime Club
Math Team
Meals Matter
Mental Wellness Club
Mock Trial Team
Model United Nations
Multicultural Student Achievement
Network (MSAN)
National Honor Society
National Technical Honor Society
Non Athletic Competition League
One Act Play
Pay it Forward & GROW
Performance Club
Pickleball Club
Principal's Council
Purple Sage
Science Olympiad
SkillsUSA
Spanish Club
Spanish Honor Society
Sports Statistics Club
Spring Musical / Winter Play
Student Book Club
Student Council
Students Empowering Each Other
Warrior Pep Band
Wisconsin Civics Games
Writing Club

Waubakee Community High School - CLASS OF 2025 MATRICULATION

Arizona State University	Art Institute of Chicago	Augustana College
Blackhawk Tech College	Bluegrass Comm & Tech	Carthage College
Citadel Military College of SC	Coastal Carolina University	College of Charleston-SC
Columbia University-NY	Concordia College-MN	Concordia University-WI
Edgewood College	Erskine College-SC	Florida Institute of Technology
Florida State University	Grand Canyon University	Grinnell College-IA
Indiana University	Iowa State University	Lawrence University
Madison College	Marian University	Marquette University
Michigan Tech University	North Dakota University	Ohio State University
Purdue University	Ripon College	Rochester Inst. Of Tech-NY
Scottsdale Comm College	St. Louis Univ.-Madrid, Spain	Texas A&M University
The University of Tampa	University of Alaska-Fairbanks	University of Central Florida
University of Cincinnati	University of CO - Boulder	University of Houston
University of Iowa	University of Kansas	University of Louisville-KY
University of Miami-FL	University of MN-Duluth	University of MN-Twin Cities
University of NE – Lincoln	University of Northern Iowa	University of Padua-Italy
Univ of South Carolina-Columbia	University of St. Thomas-MN	US Air Force Academy
US Naval Academy	University of WI-Eau Claire	University of WI-Green Bay
University of WI-La Crosse	University of WI-Madison	University of WI-Milwaukee
University of WI-Oshkosh	University of WI-Platteville	University of WI-Stevens Pt
University of WI-Stout	University of WI-Superior	University of WI-Whitewater
Viterbo University	Wake Forest University	Wartburg College
Wesleyan College	Western Washington Univ.	Winona State University

2026–2027 Academic & Career Planning Guide Highlights

Navigating Paths to College and Career Readiness

WCSD Mission: Committed to Children, Community, and Excellence

Using Career Clusters to Inform Registration

What are Career Clusters?

- • 14 nationally recognized groups of jobs and industries that share similar skills and knowledge.
- Previously 16, but recently updated, and our local ACP model is reflecting the national change.
- • Used to connect electives to long-term goals through “Programs of Study”.
- • Each cluster includes pathways with recommended courses to build a clear roadmap.

Example: Advanced Manufacturing — Robotics Path

- IDEA, Big IDEA, Digital Electronics
- Computational Thinking, Computer Science I & II
- AP Computer Science Principles: Cybersecurity
- AP Computer Science A, FST, AP Calculus
- Chemistry

162

Example: Agriculture — Animal Systems Path

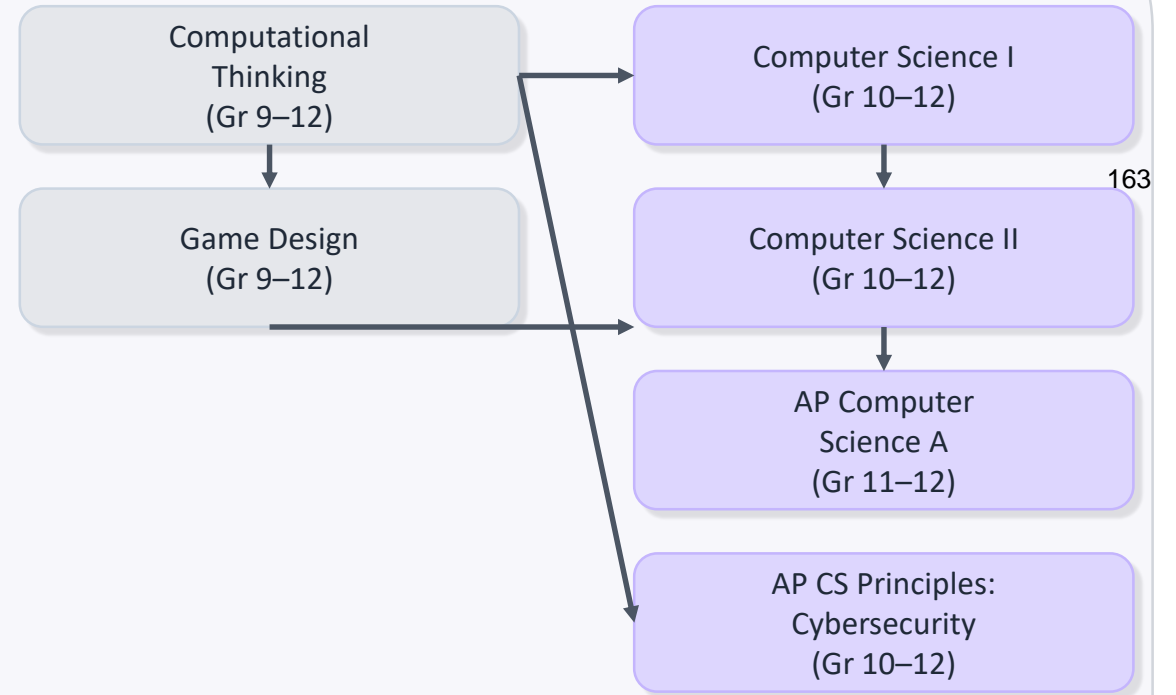
- Intro to Agriculture, Animal Science
- Livestock & Equine Management, Veterinary Science
- Small Animal & Pet Care
- Biotech Career Apps (DC), Biotechnology (DC)
- Medical Terminology (DC), AP Biology

Navigating Content Area Flowcharts

How to read the flowcharts

- • Departments provide flowcharts to support course sequencing.
- • Connecting lines show prerequisite sequences (what must be taken first).
- • Some courses are required for graduation (marked in the guide with a WCSD logo).
- • Flowcharts show progression from foundational → advanced options.

Flowchart Example (Computer Science)



NOTE

Prerequisite lines in the guide show what must be taken first.
The guide uses a WCSD logo to mark graduation-requirement courses.

The Laude System Overview

Purpose & Eligibility

- Recognizes seniors for both academic rigor and success.
- Minimum eligibility: cumulative GPA ≥ 3.0 after 1st semester senior year.
- Laude scores are posted each spring for seniors to review.
- Laude scores are also calculated at the end of 11th grade for the purposes of the Wisconsin Guarantee designation.

How the Laude Score is calculated

$$\text{Laude Score} = (\text{Cumulative GPA}) \times (\text{\# of advanced semester courses completed across all 4 years})$$

164

“Advanced” courses are defined by the WCHS Laude Courses list and include 2nd semester senior courses.

Sample (from the guide):

GPA 3.685 \times 12 advanced semesters = 44.22 \rightarrow Magna Cum Laude

Laude Award Levels & How Points Are Earned

Award tiers (no rounding)

Award	Recognition	Score
Summa Cum Laude	Purple cord	56+
Magna Cum Laude	Silver cord	40 – 55.999
Cum Laude	White cord	24 – 39.999

How students earn Laude points (examples)

- Laude-designated WCHS courses (e.g., AP Biology = 2; Biotechnology (DC) = 1).
- World language upper levels (e.g., Spanish V = 2).
- Computer science (e.g., AP Computer Science A = 2).

165

Other ways points can be earned (in addition to the WCHS course list)

- Youth Apprenticeship: 1 Laude point per semester while participating (up to 4 semesters).
- Early College Credit / Start College Now: points are based on earned college credits (e.g., 1–2 credits = 1 point; 3–5 credits = 2 points).
- Online AP courses may also earn Laude points (semester = 1; year-long = 2).

Specialized Planning: Grade 9 & Grade 10

Grade 9 Foundations (required planning anchors)

- Biology
- World History
- English 9 (or Advanced English 9)
- Intro to Physical Education (required before upper-level PE)
- Math course (per placement)

Grade 10 Milestones

- Career Workshop (required, 0.25 credit): explores career clusters and begins an academic/career plan.
- Health & Wellness (required, 0.25 credit): paired with Career Workshop.
- English 10 or AP Seminar English 10; continue math/science/PE sequencing.

166

NEW

**Personal Finance is a graduation requirement starting with the Class of 2028.
Recommended to take in Grade 9 or Grade 10.**

Specialized Planning: Grade 11 & Grade 12

Grade 11 Opportunities

- Increase post-secondary rigor: AP, Dual Credit (Madison College), and CAPP options where available.
- School to Career: Employability Skills, internships, and Youth Apprenticeship pathways (application-based).
- Consider pathways-aligned electives and advanced coursework to strengthen Laude Score and readiness.

Grade 12 Transition

- Law is required for graduation (Grade 12 planning anchor).
- Seniors in good standing may substitute a release period for a study hall (criteria-based).
- Finalize postsecondary plan: college, technical college, apprenticeship, military, or workforce.

167

Work-Based Learning Spotlight: Youth Apprenticeship (YA)

- • Open to juniors and seniors (application + interview + info session).
- • Students earn elective credit (1.0 per semester) with on-the-job hours + skills portfolio.
- • YA participation also earns 1 Laude point per semester (up to 4 semesters).

Key takeaways

- Graduation requirement: 24 total credits (plus required courses such as Law).
- Use Career Clusters + Programs of Study to align electives to long-term goals.
- Use department flowcharts to map prerequisites and keep options open.
- Laude recognizes rigor × performance; check eligibility and advanced course counts.

Wisconsin Guarantee (class rank via Laude system)

- Top 5% of class (end of junior year): guaranteed admission to UW–Madison.
- Top 10% of class (end of junior year): guaranteed admission to other Universities of Wisconsin.
- Students must still apply and meet campus course requirements.

168

Where to go for help

- • Student Services (counselors, Pathways, School to Career)
- • Department flowcharts and course descriptions in the Planning Guide
- • WCHS website resources and program contacts



FUTURE READY

#WaunakeeWAY

WAUNAKEE COMMUNITY SCHOOL DISTRICT Education for Employment Plan

"Committed to Children...Committed to Community...Committed to Excellence"

169

INTRODUCTION | The Waunakee Community School District (WCSD) has a comprehensive K-12 plan to meet the Education for Employment standards. The plan as described below includes a narrative that parallels our index of specific activities to address college, career, and life readiness. A comprehensive E4E plan includes a specifically designed curriculum, work-based learning opportunities, strong industry partnerships, and a well-designed career and technical education (CTE) program.

WCSD VISION STATEMENT

The Waunakee Community School District is a collaborative learning community that works with students, staff, families, and the community to ensure that every student is ready for college and career; through a focus on data, research based best practices, and engagement with students to be active partners in their learning.

Career Readiness Vision



WCSD EQUITY STATEMENT

The Waunakee Community School District embraces the differences among our students, staff, and families. We work to provide a safe environment with access to resources, opportunities, and instruction for all students to reach their full potential in the classroom and beyond. We strive to create a culture of dialogue, acceptance, and inclusion. We are committed to engaging all students so that they may thrive academically, socially, and emotionally in an ever-changing multicultural society.

CAREER READINESS TEAM

Michelle McGlynn, CTE Coordinator	Timothy Schell, Director of Secondary Curriculum & Instruction	Kristina Puntney, MS Ag Education
Brian Borowski, HS Principal	Lisa Jondle, Director of Student Services	Pat Collins, Alt Ed Team
Mark Landis, HS Counselor	Anne Blackburn, Communications & Engagement Specialist	TBD - HS CTE Team
Ty Jury, MS Counselor	Janae Grunow, WIS Counselor	TBD - Student Rep
Dayna Worrell, AES Counselor	Joseph Line, HS Special Education Team	TBD - Student Rep
Melissa Hanson, HS English Team	Shad Fanta, MS Social Studies Team	Dr. Leslie Petty, WCSD Parent and Madison College Dean (School of Academic Advancement)



FUTURE READY

WAUNAKEE COMMUNITY SCHOOL DISTRICT Education for Employment Plan

"Committed to Children...Committed to Community...Committed to Excellence"

Career Readiness Data

DISTRICT CAREER READINESS DATA 2024-2025

1,049 Career & Technical Education Participants

- Students who are enrolled in any of our six CTE Programs

488 Career & Technical Education Concentrators

- Students who have taken a minimum of two courses in a specific career pathway

335 Work-Based Learning Participants

- Students who have completed a minimum of one semester in an approved work-based learning program such as Employability Skills, Youth Apprenticeship, School-Based Enterprise, Supervised Agriculture Education, or an Internship Program

422 Dual Enrollment Participants

- Students who have completed a dual enrollment course

652 Career & Technical Education Student Organization Enrollment (MS & HS)

- Students who were paid members of one or more of our CTSOs

108 Students who Earned an Industry-Recognized Credential

- Through various courses and programs, students have the opportunity to earn an IRC such as a CNA, Microsoft Office Specialist Certification, Youth Apprenticeship Certificate, Associate Child Care Teacher Certificate, etc.

68 Employer Partners

- Local employers who have partnered with WCSD to provide career-based learning experiences for our students, professional development for our staff, or other mentoring opportunities in partnership with our district

503 Advanced Course Participants

- Students who completed at least one Advanced Placement course

79% Co-Curricular & Extra-Curricular Participation Rate

- Rate of participation at the high school for athletics, clubs, and organizations

97.9% Graduation Rate

- Average of the 4-year and 7-year cohort rates

Data retrieved from DPI WISEDash

For more WCSD Data, please view our most recent

[Redefining Ready Report Card](#)

WCSD Career & Technical Education Programs

- Agriculture Education
- Business & Info Technology
- Family & Consumer Science
- Health Science
- Marketing Education
- Technology Education & Engineering

WCSD Career & Technical Education Student Organizations

- DECA (Marketing)
- FBLA (Business)
- FCCLA (Family & Consumer Science)
- FFA (Agriculture)
- HOSA (Health Science)
- SkillsUSA (Tech Ed & Engineering)

WCSD Dual Enrollment Classes

- Accounting (Madison College)
- Biotech Career Apps (Madison College)
- Biotechnology (Madison College)
- Concepts of Entrepreneurship (Univ of Iowa)
- Education in a Pluralistic Society (Madison College)
- French V (UW Oshkosh)
- Intro to Education & Teaching (Madison College)
- Marketing I (Madison College)
- Medical Terminology (Madison College)
- Metal Fabrication (Madison College)
- MS Office for Business Applications (Madison College)
- Senior Mathematical Reasoning (Madison College)
- Spanish V (UW Oshkosh)
- Spanish VI (UW Oshkosh)
- Welding (Madison College)

CURRENT PROGRESS & FUTURE GOALS FOR IMPLEMENTATION

CURRENT PROGRESS

- Although a separate initiative, the previous three years of data collection to create a [Waunakee High School Redefining Ready Scorecard](#) helps to guide our work in Academic & Career Planning and analysis of key data points regarding career & academic readiness
- Implementation of an ACP Committee to discuss WCSD K-12 college, career, and life readiness which included work to build our WCSD Portrait of a Graduate, E4E Plan, and determine gaps in ACP strategies
- Addition of Middle School WYN (What You Need) Career Conversations which connect career professionals with students
- Celebration of ACP initiatives, K-12, as our district staff are already nurturing a culture of career and academic readiness through exploration and immersion in core and elective course instruction, career based learning experiences, and mentoring programs in many different student organizations

FUTURE GOALS

- Continue to meet as an WCSD ACP Committee throughout each school year at a frequency of 4 (four) times per year to update and add to our district E4E Plan and analyze data that may drive new initiatives as part of our work
- Annual collection of data from district staff on career based learning activities that support all students
- Social media and other public sharing of ACP celebrations, initiatives, and achievements to engage families and community members
- Increase parent/guardian communication and engagement on Middle and High School ACP activities
- Improve access and support for students of color and/or from special populations to engage in the ACP/Career Readiness process at WCSD (*10SP ACP Powerful Practice Goal)
- Improve ACP/Career Readiness Professional Development for all staff the WCSD (*6PD ACP Powerful Practice Goal)
- Create an ACP Graduate Profile (*3PROF ACP Powerful Practice Goal)
- Integrate ACP/Career Readiness into all classrooms (*18CLA ACP Powerful Practice Goal)
- Improve the individualized ACP/Career Readiness support WCSD provides to our students (*8IS ACP Powerful Practice Goal)



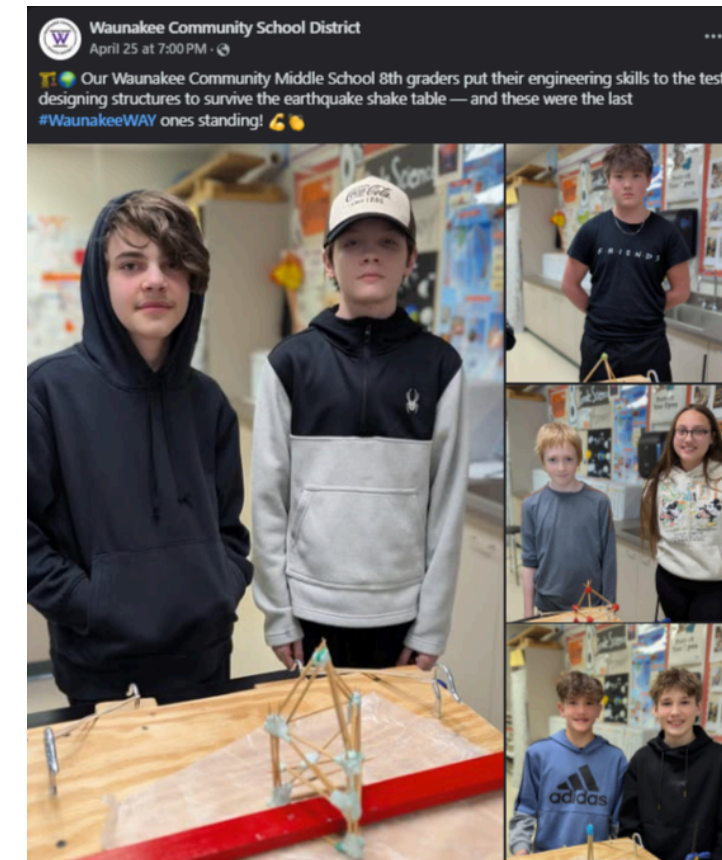
FUTURE READY

#WaunakeeWAY

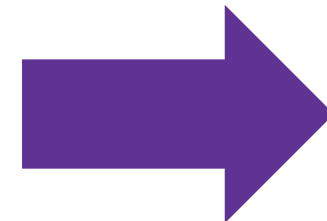
WAUNAKEE COMMUNITY SCHOOL DISTRICT Education for Employment Plan

Career Readiness Success Stories

STUDENT SUCCESS STORIES



"Committed to Children...Committed to Community...Committed to Excellence"



"Maya and Benji have been doing an excellent job and I have been so impressed by their work ethic and willingness to learn. They have made a great addition to our team!"

**Katie Kulchytsky, Marketing Associate
Vogel Bros. Building Co.**

Mentor to 2024-25 Marketing Apprentices, Maya Grasee and Benjamin Lawrence

171

WCSD Youth Apprenticeship Growth

- 2014-15: 20 apprentices
- 2025-26: 90 apprentices



350% Increase in student access & engagement to pathway experiences that lead to high-skill & high-wage career paths



Class of 2019 WCSD Alumni

Jason Tuschl

Construction Youth Apprentice with Dave Jones, Inc. (2017-19)

From YA to RA, Jason was awarded **APPRENTICE OF THE YEAR IN 2024**

Read the full story from ABC Wisconsin

"Youth Apprentice Today, Teacher Tomorrow"

Eleri Davis credits Youth Apprenticeship Program for advancing her future career in Education

For Eleri Davis, stepping into Prairie Elementary as part of the Youth Apprenticeship (YA) program has been more than just a learning experience—it's been the beginning of her journey toward a future in education. Under the mentorship of Mrs. Frey, Eleri has embraced the opportunity to support students, develop teaching skills, and gain hands-on classroom experience before even starting college.

Read the full article from the Workforce Development Board of South Central Wisconsin

Read the full article from the Workforce Development Board of South Central Wisconsin





FUTURE READY

#WauunakeeWAY

WAUNAKEE COMMUNITY SCHOOL DISTRICT Education for Employment Plan

"Committed to Children...Committed to Community...Committed to Excellence"

Career Readiness in the Wauunakee Community School District

ACP CURRICULUM, SUPPORT, AND SERVICES

Grade Level Appropriate Career Readiness Activities and Career-Based Learning Experiences

- K-4: ACP Activities | [Career Based Learning Experiences](#)
- 5-6: ACP Activities | [Career Based Learning Experiences](#)
- 7-8: ACP Activities | [Career Based Learning Experiences](#)
- 9-12: [ACP Activities](#) | [Career Based Learning Experiences](#)
- 9-12: Alternative Education Career Based Learning Experiences

ACP/School Counseling Services

WCSD School Counseling Staff spend considerable time in small group, large group, and individualized activities to help support all students in their ACP journey.

- K-4 Counseling Services Related to ACP
- [5-6 Counseling Services Related to ACP](#)
- [7-8 Counseling Services Related to ACP](#)
- [9-12 Counseling Services Related to ACP](#)

Whole School Support

WCSD has implemented a meaningful process for connecting students to teachers and other school staff for assistance with the development and implementation of academic and career plans at each of our district buildings.

- Intervention & Connection Time at our K-4 elementary buildings
- Connect Time at our Intermediate School
- WYN "What you Need" Time at our Middle School
- Advisory/Homeroom and Contact Time at our High School

PREPARING FOR THE FUTURE

The ACP program at Wauunakee Community School District ensures every student is prepared for life after high school no matter what path they plan to take. This includes:

- Career and Technical Education provided to all students in grades 7-12 that include pathway programs in Agriculture, Business, Family & Consumer Science, Health Science, Marketing, and Technical Education & Engineering. **WCSD offers over 70 courses** for students to pursue their interest, skills, and passion before high school graduation.
- Advanced Placement (AP) Courses allow students to enroll in rigorous, college-level courses while in high school. The potential for college credit is determined based on the AP exam score (generally a score of 3 or higher). To view WCSD Advanced Placement Courses offered, [Click Here](#). Cumulatively, the **Class of 2025 enrolled in 1,008 AP Courses** during their high school career.
- Students may participate in early post-secondary opportunities by enrolling in off-site courses at higher education institutions as allowed under state law to advance in their academic and career pathways. These opportunities may be accessed through the [Start College Now](#) program for Technical Colleges and the [Early College Credit Program](#) for UW System institutions, private non-profit higher education institutions, and tribally controlled colleges in the State of Wisconsin. High school students can access up to 18 credits of post-secondary opportunities prior to graduation. **In 2024-25, WCSD students earned 43 post-secondary credits** through the ECCP and SCN Programs.
- Dual Enrollment or Dual Credit offers a chance for high school students to earn college credit within the walls of the traditional high school. The high school teacher is approved by the partnering institution to teach a curriculum that is aligned with the college. Students earning a passing grade (college scale) will earn that grade on a college transcript from the partnering institution. **The WCSD Class of 2024 enrolled in 490 dual enrollment courses with 95% of students earning a C or better, giving students access to post-secondary credits.**
- Youth Apprenticeship (YA) is a 1 or 2-year program that gives juniors and seniors in high school the chance to explore a career area of interest. Students can spend part of their school day earning credit and wages while they gain valuable industry experience under the guidance of a local business mentor. **Since 2014-15, WCSD has supported 310 students who have been mentored by over 140 employer partners in 14 different career pathways.** To view the full graph, [Click Here](#).
- Industry Certifications are proof for students to show they have the advanced knowledge that industry is searching for as they fill necessary employment positions. Wauunakee Community High School offers several different opportunities for students to earn industry certification. Students achieving a required score on industry certification tests will be eligible to be recognized by industry for the course work completed at the high school level. **Through WCSD programs, students have access to over 15 different Industry Related Certifications.**



- The Employability Skills program offers students in 11th or 12th grade the opportunity to earn credit for working at an approved jobsite. Upon completion of the program, students are eligible to earn an Employability Skills Certificate from the State of Wisconsin Department of Public Instruction as proof that they have 21st Century employability skills. Each year, approximately **20 WCSD students earn this certificate.**
- WCSD has created and implemented various Internship opportunities in partnership with Warrior Media, Wauunakee Neighborhood Connection, and with our own district teaching staff. Students can earn credit for their participation in these organized unpaid internships in career paths such as broadcast journalism, marketing, and education. **Since 2022, 71 WCSD students** have successfully completed an approved WCSD Internship Program and earned high school credit for their service.



FUTURE READY

WAUNAKEE COMMUNITY SCHOOL DISTRICT Education for Employment Plan

"Committed to Children...Committed to Community...Committed to Excellence"



Career Readiness in the Wauakee Community School District

PREPARING FOR THE FUTURE (continued from previous page)

- Each fall, Wauakee Community High School sponsors a Co-Curricular Fair that is available during the school day for all students in grades 9-12. Each co-curricular and extracurricular club or organization, and athletic group has the opportunity to showcase and recruit student participation. WCSD believes that students involved in co- or extracurricular activities are one of the best investments that a school can make to help promote achievement, student engagement, and attitudes and habits that lead to post-secondary success. **WCHS offers nearly 120 different co- and extracurricular options for students. In addition, Wauakee Middle School offers over 30 different co- and extracurricular options for students.**
- WCSD provides all students with an opportunity to meet with various Institutes of Higher Education, including public and private colleges and universities, and technical colleges. Representatives from these institutions arrange to visit the high school counseling office where students and their families have the opportunity to sign up to meet with university representatives about programs, admissions, and other post-secondary questions. **In 2024-25, 52 colleges and universities** visited the high school to provide support for WCSD students in post-secondary planning.
- The Wauakee Community School District, like many other districts, often hosts military personnel and veterans as part of its educational programs and events. These visits can include presentations about military careers, guest speakers sharing personal experiences, and even classroom visits to teach about American history and civic engagement. Each year, **WCHS welcomes representatives from the Army, Marine Corps, Navy, Air Force, and the Coast Guard.**
- Interviewing skills are crucial for securing employment because they allow candidates to effectively communicate their qualifications, demonstrate their fit for the role, and make a positive impression on potential employers. These skills enable candidates to showcase their strengths, problem-solving abilities, and interpersonal skills, ultimately increasing their chances of getting hired. At WCSD, students in 8th grade Business classes participate in a mock interview with district staff members to practice interviewing skills. **In 2024-25, 140 8th grade students participated** in mock job interviews to develop important interviewing skills. Additionally, all students are required to complete our Career Workshop course during sophomore year. Part of our curriculum includes a Mock Interview event where community and industry professionals spend a half day at WCHS interviewing students to help them continue to develop these important skillsets. Annually, quarterly interviews are organized that engage **over 300 high school students.**

CAREER PATHWAYS

WCSD staff from all core and elective content areas collaborated to create local career pathway guides for students. All local pathways are published online for students, families, and school staff to access, and each pathway is included in the high school academic and course planning guide to reference during course registration. The Wisconsin Regional Career Pathways (RCP) approach is a statewide effort to deliver high-quality career pathways in high schools that reflect the needs and vision of a regional collaborative group of employers, education, and economic and workforce development. For more information on RCPs, visit this [link](#).

Career Pathway Options for WCSD Students

- Agriculture, Food, & Natural Resources | [Local](#) & [Regional](#)
- Architecture & Construction | [Local](#) & [Regional](#)
- Arts, AV, Technology, & Communications | [Local](#)
- Business Management & Administration | [Local](#)
- Education & Training | [Local](#) & [Regional](#)
- Finance | [Local](#)
- Government & Public Administration | [Local](#)
- Hospitality, Tourism, & Lodging | [Local](#) & [Regional](#)
- Health Science | [Local](#) & [Regional](#)
- Human Services | [Local](#)
- Information Technology | [Local](#) & [Regional](#)
- Law, Public Safety, Corrections, & Security | [Local](#)
- Manufacturing | [Local](#) & [Regional](#)
- Marketing | [Local](#)
- Science, Technology, Engineering, & Math (STEM) | [Local](#)
- Transportation, Distribution, & Logistics | [Local](#)

LABOR MARKET INFORMATION

Labor market information (LMI) helps WCSD develop cutting-edge Career and Technical Education programs by uncovering the skills students will need in the future. In addition, LMI can help students understand which jobs are most likely to be available and well-compensated.

- To access US Labor Statistics [Click Here](#)
- To access Labor Market Information for Wisconsin [Click Here](#)
- To access the 2025 Workforce Profile for Dane County [Click Here](#)

PROFESSIONAL DEVELOPMENT FOR STAFF

The Wauakee Community School District supports the professional development of all staff by recognizing their contributions, providing relevant training opportunities, and fostering a learning community where everyone feels valued. This includes offering programs tailored to their needs, aligning with school priorities, and encouraging continuous improvement. WCSD supports both internal professional development opportunities and external options at the local, state, and national level. Examples of staff professional development for WCSD staff include:

- Xello online training on updates to software implementation and use in 5-12 classes and programs - Xello is the district platform for career exploration
- District wide Social & Emotional (SEL) training and support for K-12 staff members, including ad hoc committee work
- School counselor state conferences which include sessions on academic and career training
- Faculty meeting staff-led presentations on SEL and academic and career planning best practices
- Career & Technical Education State Conferences in Agriculture, Business/Marketing, Family & Consumer Science, Health Science, and Tech Ed & Engineering that offer sessions on academic and career planning, implementation, and curriculum integration
- Career & Technical Education National Conference offers comprehensive programming covering high-quality CTE and emerging trends in the field to provide district staff with a rich array of networking opportunities, an Expo, hundreds of concurrent program sessions, and numerous networking opportunities





FUTURE READY

WAUNAKEE COMMUNITY SCHOOL DISTRICT Education for Employment Plan

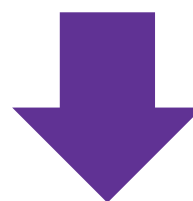
“Committed to Children...Committed to Community...Committed to Excellence”

Career Readiness is for ALL Waunakee Community School District Students

INDIVIDUALIZED ACP SUPPORT

Describe how your district provides individualized support, appropriate to each pupil's needs, from school district staff to assist with completing and annually updating a student's academic career plan, including how your district implements these recommended Career Readiness Practices:

- Our district has a process to identify and provide modifications, accommodations, or enhanced support for career readiness activities to maximize participation of English Learners, students with an Individual Education Plan (IEP), or students at-risk of not graduating.
- Our district implements specific strategies to communicate with students, families, and caregivers of English Learners, students with an Individual Education Plan (IEP), and/or students at-risk of not graduating about career readiness.
- Our district makes an effort to seek out diverse community, industry, and higher education partnerships so that students are more likely to interact with adults who come from many different backgrounds and cultures.
- Every 9th grade student will meet as small groups with their high school counselor once during semester 1 to discuss their transition into high school and an overview of high school planning for the next three years.
- Every 10th grade student and their primary caretaker(s) meet with their high school counselor before course registration (January) to finalize their four-year plan and post-graduation planning.
- Middle and high school counselors meet frequently with Special Education caseworkers to discuss individual student needs for course programming, support courses, and other academic and career planning opportunities.
- The School to Career Coordinator works with both Special Education and At-Risk Staff to support students in special populations with career planning.
- Tools like Xello and Naviance support students in taking assessments, planning courses, exploring careers, and preparing for college or technical education.



CTE Participants

7.3% are SWD
Compared to 7.6%
SWD HS Enrollment

15.7% are SOC
Compared to 16%
SOC HS Enrollment

CTE Concentrators

7.3% are SWD
Compared to 7.5%
SWD HS Enrollment

14.1% are SOC
Compared to 16%
SOC HS Enrollment

ACCESS FOR ALL STUDENTS

If a pupil is a child with a disability, the pupil's academic and career plan shall be made available to the pupil's individual education program team. The pupil's individualized education program team may, if appropriate, take the pupil's academic and career plan into account when developing the pupil's transition services.

- The goal is to increase student engagement, self-awareness of strengths/interests, and awareness of postsecondary and career options.
- Services are age- and developmentally appropriate and provided to all students, including those with disabilities, English learners, gifted and talented students, and students in alternative or modified programs.
- Our District Equity Statement reinforces that students have access to resources, instruction, and opportunities to reach their full potential academically and in planning for careers.
- Licensed school counselors and the School to Career Coordinator work with students on academic planning, career exploration, and post-secondary goal setting.
- Counselors support students through individual meetings, group activities, and responsive services spanning academic, personal, and career development.
- The district implements a developmentally sequenced counseling curriculum aligned with academic and career planning to support students from kindergarten through high school.
- This ensures planning begins early and continues with increasing depth through the high school years.
- Academic and career planning services are made accessible to all students by adapting to individual needs. This includes support for students with IEPs, English learners, and those requiring additional academic or social-emotional support.



CAREER READINESS TECHNOLOGY

WCSD has implemented the use of both Xello and PowerSchool Naviance for career readiness exploration, planning, and immersion. Backed by research and recognized with awards, Xello is a trusted program that empowers students to take charge of their future. Through Xello, students reflect on their strengths and interests, explore post-secondary pathways, set goals, and update their plans as they grow and learn along the way. Naviance is a college and career readiness software provider that partners with high schools and other K-12 institutions to provide students with college planning and career assessment tools.



FUTURE READY

WAUNAKEE COMMUNITY SCHOOL DISTRICT Education for Employment Plan

“Committed to Children...Committed to Community...Committed to Excellence”

Get Involved with WCSD and Career Readiness

FAMILY ENGAGEMENT

The Waunakee Community School District engages families and caregivers in academic and career planning by:

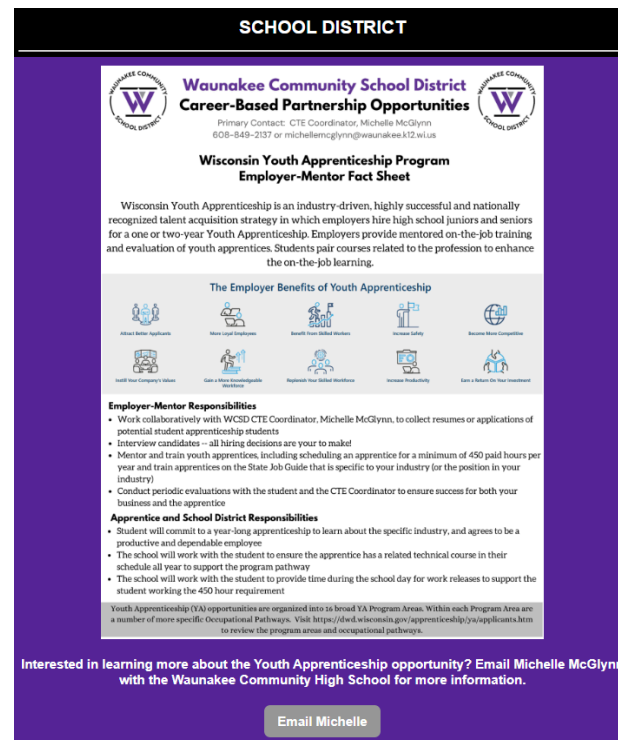
- Providing ways for families to participate in career readiness activities such as:
 - Prairie Elementary STEAM Night
 - 6th to 7th grade transition presentation to families
 - Middle School Career Chat Sessions
 - 8th grade student planning conferences with counseling staff
 - Future Freshmen Night
 - 10th grade ACP student/family meetings with counseling staff
 - CTE Showcase Event for students/families in grades 7-12
- Sharing information with WCSD families about student’s academic and career planning through newsletters that are available weekly, monthly, or quarterly from each of our district buildings. Newsletters share ACP celebrations, upcoming activities or events, and opportunities for students to engage in various career based learning experiences. In addition, we regularly share information and celebrations via posts through our WCSD District social media channels, including a dedicated CTE social media account.
- As WCSD begins the process of developing our Portrait of a Graduate profile, parents/families will be actively engaged in the process to provide feedback on the profile so that our district can ensure that we are capturing a vision that encompasses all students
- *Share any other ways in which your district engages families and caregivers in the ACP process.*

Far families who would like more information or would otherwise like to be involved with academic and career planning activities or programs at WCSD, please reach out to ACP Committee leaders:

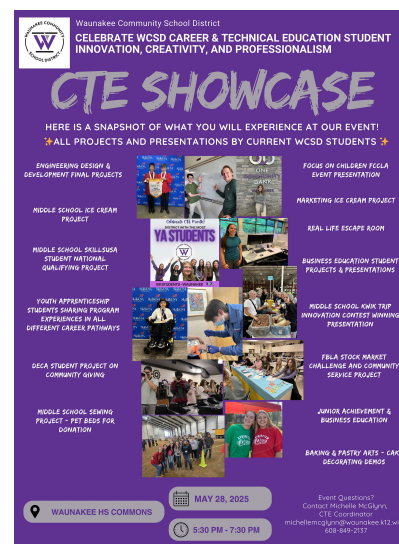
- Michelle McGlynn, CTE Coordinator | michellemcglynn@waunakee.k12.wi.us
- Tim Schell, Director of Secondary Curriculum & Instruction | timschell@waunakee.k12.wi.us
- Anne Blackburn, Communication & Engagement Specialist | anneblackburn@waunakee.k12.wi.us
- Lisa Jondle, Director of Student Services | lisa.jondle@waunakee.k12.wi.us

WCSD BOARD OF EDUCATION APPROVAL

March 2026 - pending



Waunakee Chamber of Commerce Weekly Update which includes business engagement options



COMMUNITY PARTNERSHIPS

Waunakee Community School District is proud to collaborate with hundreds of business and community partners in K-12 academic and planning initiatives and programs.

- The development of the WCSD Education for Employment Plan included input from Dr. Leslie Petty, Dean at Madison College as part of our ACP District Committee
- Our district actively seeks feedback from community, industry, and higher education partners when regularly evaluating our career readiness activities, CTE programs, and initiatives through Advisory Boards and industry engagement at conferences, trainings, tours, and other events
- Our employer partners work diligently to mentor and train our students who are enrolled in various work based learning experiences such as Youth Apprenticeships, Employability Skills, Warrior Media Internships, WNC Internships, and Future Educator Internships. Some of our strongest partners in work based learning experiences are Home Again Assisted Living, Waunakee Vet Clinic, UW Health, Westphal & Co. Electric, One Community Bank, Warrior Media, Waunakee Valley Senior Living, Dave Jones, Inc., Walgreens, May Vision, First Choice Dental, Endres Manufacturing, and more
- WCSD is the proud recipient of the Wisconsin Economic Development Corporation Fab Lab Grant for three consecutive years which provided us the opportunity to design and execute a state-of-the-art Innovation Center. Part of that process included fundraising with our local community to purchase industry standard equipment approved for student use in a Fabrication Lab; we received generous donations (in-kind and financial) from Westphal & Co. Electrical Contractors, Hovde Properties, Badgerland Erectors, Endres Manufacturing, NAMI, Findorff, Ace Hardware, Mobile Glass, Hellenbrand Water, Tormach, D&S Dental, Clack Industries, Peter Fish, Scott & Misty Lewis, among several others
- Junior Achievement of Wisconsin, Wisconsin Institute of CPA’s, and Wisconsin Business World all partner with our Business & Marketing Education team to offer student training, simulations, and scholarship opportunities
- The University of Wisconsin Madison, Madison Technical College, and ABC Supply (Wisconsin Registered Apprenticeships) spend time each year with our 11th grade students and their families at a post high school planning event to share post-secondary opportunities
- St. John’s Catholic School partners with our Innovation Center to provide activities for their students to engage with our staff and students in hands-on projects each year
- The Waunakee Chamber of Commerce provides support to help the WCSD communicate with local partners on K-12 career readiness opportunities

Community Partners who are interested in more information should contact: Michelle McGlynn, CTE Coordinator | michellemcglynn@waunakee.k12.wi.us



WAUNAKEE

COMMUNITY SCHOOL DISTRICT

176

E4E Plan Update

Education for Employment
February 16, 2026 Curriculum Committee



E4E Plan Requirements

- Districts must have a publicly available E4E plan
- The plan should connect academic and career planning
- The plan must meet all statutory requirements annually
- Plans are required to align with local labor market needs





Some Comparative Dane County Data from the State Report Card

Dane Rank	AP/IB Course Completion %	Dual Credit Course Completion%	Work Based Learning %	Industry Recognized Credentials % ¹⁷⁸
1	Middleton-55.4%	Belleville-40.4%	Waunakee-25.1%	Mount Horeb-12.3%
2	Verona-42.2%	Middleton-39.6%	McFarland-18.3%	Middleton-8.3%
3	Waunakee-37.7%	Waunakee 31.6%	Oregon-7.0%	Verona-8.3%
4	Mount Horeb-31.6%	Mount Horeb-24.6%	Marshall-6.6%	Waunakee-8.1%
5	Belleville-31.2%	Verona-24.5%	Deerfield-6.3%	Oregon-7.0%



E4E Plan Highlights

- Strong Student Engagement and Outcomes
- Comprehensive K-12 Career Continuum
- Community and Industry Engagement
- Commitment to Broad and Inclusive Participation
 - We see this reflected in our CTE measurables. (course participation, concentrators)
 - We see gaps in our college preparatory measurables (AP and DC participation)

Your Questions

180



WAUNAKEE
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