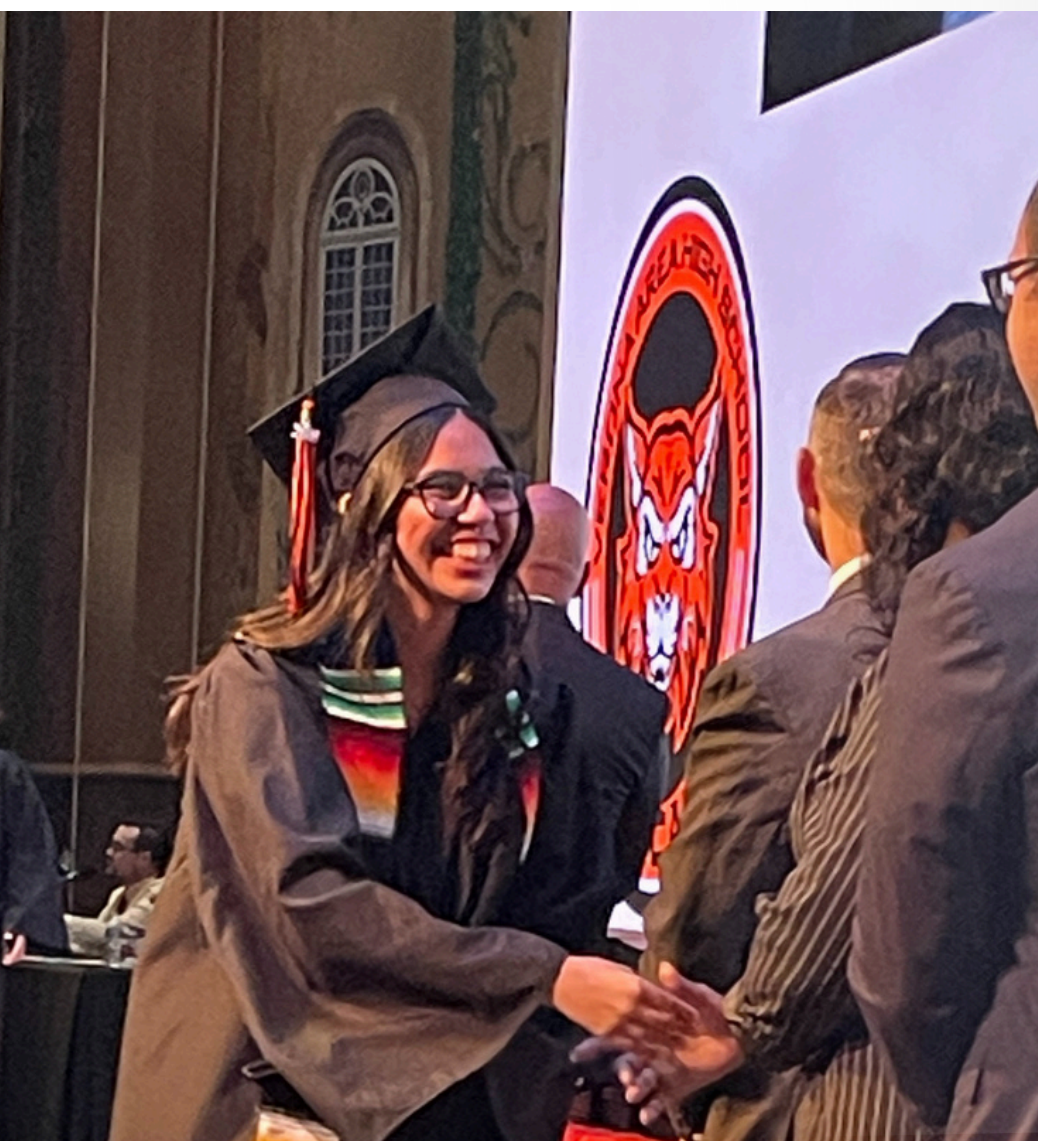




VERONA

AREA HIGH SCHOOL
2025-2026 COURSE
GUIDE





VASD Mission Statement: Each student will acquire the knowledge and skills necessary to achieve their personal goals, thrive in a diverse global society, and lead a healthy, self-fulfilling life.

VASD Equity Statement: To meet this mission, the Verona Area School District will ensure that every individual has access to the educational, social, and emotional support they need to feel valued and affirmed in their unique identities and experiences. We acknowledge that inequities and power dynamics exist in our system such that some individuals, on the basis of their identities*, face barriers to accessing the opportunities they need to experience success. In acknowledgment of such, the Verona Area School District is committed to disrupting these systems of inequity.

Si deseas ayuda en español para la revisión de cursos de este catálogo, manda un mensaje de texto o llama a una de las traductoras al 608-381-9593 o al 608-354-9480 y nos pondremos en contacto contigo y con tu consejera para ayudarte.





Dear VAHS Parents and Caregivers:

Welcome to the 2025-26 Course Guide for Verona Area High School. This Course Guide contains pertinent information regarding the credit and course requirements for earning a VAHS diploma. Please take time to read through the introductory pages so that you have a clear sense of what will be expected each year as your scholar earns credits toward their diploma. When determining course selection, it is essential to consider your scholar's career pathway, abilities, and interests. You can access this document online when you enter our website (www.verona.k12.wi.us). Click on **Verona Area High School**, click on **Families and Students**, click on **Academic and Career Planning** and click on **2025-2026 Course Guide**.

You and your scholar's reflection and decision-making in the coming weeks will help shape their schedule for next year. Concurrently, you will significantly impact our staffing, resources, and budget allocation decisions. The courses your scholar indicates they wish to take influence our fiscal process and help shape the schedule, teacher assignments, and material requisitions. We try to offer sections that align with requests and teacher availability, but conflicts will arise. Each scholar must select four alternate courses. Scholars should choose carefully and base their selection on the reality that they may likely be in one or more of the alternate courses they choose. We also ask that you and your scholar determine the need for an Academic Resource class. Consider the overall schedule of your scholar and include their activities, family time, study needs, and employment as you and your scholar decide about taking an Academic Resource class.

Scholars will use the Course Request feature in PowerSchool to make their course selections. Families will sign a Google Form to ensure communications around course selections. We will provide several opportunities to learn about the courses available at VAHS. Scholars will have opportunities to explore this course guide and to speak with staff about course selections through A+ and our Programs and Pathways event on January 21st, 2025. Scholars will work over two weeks of guided course selection for the 2025-2026 school year. Scholars are also welcome to schedule an appointment with their counselor at any point in this process to discuss course selections and four-year plans. If your child has an IEP, scholars will work with their case manager to ensure IEP minutes will be met within their schedule for the following year.

The scheduling process is one of the most essential and beneficial activities you can engage with your scholar to help shape their experiences and success at Verona Area High School. Take time to consider course selections with your scholar carefully. Thoughtful selections will provide a strong foundation and concrete path for college, career, and community readiness and success.

Sincerely,

A handwritten signature in black ink that reads "Brian E. Cox".

Principal

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DEPARTMENTS AND COURSE DESCRIPTIONS

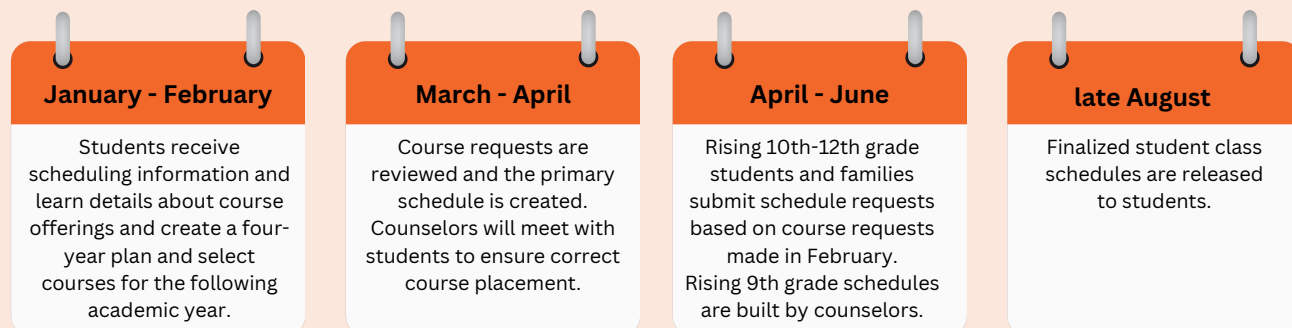
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SCHEDULING PROCESS

Verona Area High School counselors support students to ensure that their course requests fulfill scheduling requirements, meet course prerequisites, and are appropriate for the student's post-secondary plan.

Course enrollments impact recruitment and assignment of staff, as well as the purchasing of supplies and materials, therefore we need to establish formal scheduling deadlines and procedures.

SCHEDULING TIMELINE



SCHEDULE ADJUSTMENTS

All schedule adjustments must be made by the student with a member of the counseling team. Requests must be scheduled with the counseling staff by the end of the fourth day of a new class (8th day of the semester).

Please note that schedule changes will be made **ONLY** for the following reasons:

- Student has not met proper course prerequisites.
- A different course is needed to fulfill graduation requirements.
- Class conflicts (two classes scheduled during the same period).
- Recommendation of a post-secondary institution and mandatory for admission consideration.
- Desire to strengthen a schedule and not take an Academic Resource.
- Requests an Academic Resource and does not have one within their schedule.
- Completed a course during summer school.
- Collaboration between parent/guardian, student and staff that confirms the original placement was not appropriate.
- Extenuating circumstances that do not fall into a category noted above must be submitted in writing, signed by a parent/guardian, and then submitted to the student's counselor for review. Collaboratively, the counseling team, parents/guardians, and administration will review the request. Administration will make the final decision.

Schedule adjustments will **NOT** be considered or allowed for the following reasons:

- Student wishes to change to improve grade point average.
- Student wishes to be in the same class with a friend.

TRANSFER COURSES

VAHS will transfer courses and grades from another high school or international school with official transcripts from the student's prior school onto the student's VAHS official transcript.

COURSE FEES

There are no course fees applied to VAHS courses. There may be fees in association with dual credit courses and AP Exams.



VAHS COUNSELORS

ALL COUNSELORS
SERVING 9-12

CARRI HALE

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Classes of 2026 & 2027

The Board of Education has established that a graduation diploma from Verona Area High School will be awarded to any student who satisfactorily completes the required credits. For the **classes of 2025, 2026, and 2027**, these include the following:

VAHS GRADUATION REQUIREMENTS

23.5 CREDITS

4.0 ENGLISH

1.0 - Foundations of English Language Arts
1.0 - English Studies or AP English Language
1.0 - Advanced English Studies or AP English courses
1.0 - Additional English Elective(s)

3.0 SOCIAL STUDIES

1.0 - U.S. History
1.0 - Contemporary World Studies
or AP Human Geography or AP World History
1.0 - Social Studies Elective(s)

3.0 SCIENCE

3.0 - Science Elective(s)

3.0 MATHEMATICS

Math course selection determined by
previous completed coursework

1.5 PHYSICAL EDUCATION

.5 must be in Physical Education Foundations
* This 1.5 requirement must be spread out over
three separate years

.5 HEALTH EDUCATION

Typically taken grade 11

8.5 ADDITIONAL CREDITS

May include World Languages, Music, additional
coursework in core subjects, and/or other electives

0.0 CIVICS TEST

All students must pass the civics assessment as a
graduation requirement

**For the Classes of
2026, and 2027**



*"Our district-wide goal is to prepare all learners to thrive in a diverse, global society. Students and staff will utilize the power of **collaboration** to center **disciplinary literacy** across every learning environment."*

***Students are eligible to participate in Commencement exercises upon completion of graduation requirements. Students must have earned all of the necessary 23.5 credits to participate. For additional commencement participation requirements (attendance, disciplinary record, etc.) see the Student Handbook.*

GRADUATION REQUIREMENTS FOR STUDENTS WITH DISABILITIES

- A. Successful completion of educational goals as outlined in the Individual Education Plan (IEP) formulated by the student's IEP team.
- B. Each unit or term of work will be assigned a corresponding credit value in keeping with the current credit system.
- C. The number of credits required for graduation will be 23.5, unless specified differently in the student's IEP.

Classes of 2028 & 2029

The Board of Education has established that a graduation diploma from Verona Area High School will be awarded to any student who satisfactorily completes the required credits. For the **classes of 2028**, these include the following:

VAHS GRADUATION REQUIREMENTS

24 CREDITS

**For the Classes
of 2028 and 2029**



*"Our district-wide goal is to prepare all learners to thrive in a diverse, global society. Students and staff will utilize the power of **collaboration** to center **disciplinary literacy** across every learning environment."*

4.0 ENGLISH

1.0 - Foundations of English Language Arts
1.0 - English Studies or AP Seminar
1.0 - Advanced English Studies or AP Language
1.0 - English Elective(s) or AP Literature

3.0 SOCIAL STUDIES

1.0 - U.S. History
1.0 - World Studies (see requirements for choices)
1.0 - Social Studies Elective(s)

3.0 SCIENCE

3.0 - Science Elective(s)

3.0 MATHEMATICS

Math course selection determined by previous completed coursework

1.5 PHYSICAL EDUCATION

.5 must be in Physical Education Foundations
* This 1.5 requirement must be spread out over three separate years

.5 HEALTH EDUCATION

Typically taken grade 11

8.5 ADDITIONAL CREDITS

May include World Languages, Music, additional coursework in core subjects, and/or other electives

0.0 CIVICS TEST

All students must pass the civics assessment as a graduation requirement

0.5 FINANCIAL LITERACY

0.5 - Personal Financial Literacy

***Students are eligible to participate in Commencement exercises upon completion of graduation requirements. Students must have earned all of the necessary 23.5 credits to participate. For additional commencement participation requirements (attendance, disciplinary record, etc.) see the Student Handbook.*

GRADUATION REQUIREMENTS FOR STUDENTS WITH DISABILITIES

- A. Successful completion of educational goals as outlined in the Individual Education Plan (IEP) formulated by the student's IEP team.
- B. Each unit or term of work will be assigned a corresponding credit value in keeping with the current credit system.
- C. The number of credits required for graduation will be 24, unless specified differently in the student's IEP.

MINIMUM ENROLLMENT REQUIREMENTS

The Board of Education of the Verona Area School District has established minimum requirements for scheduling each student by grade. All students will typically schedule the following:

GRADE 9 *All 9th graders may consider enrolling in Academic Resource each semester. No more than one Academic Resource period per semester is allowed.*

- 1.0 English (Foundations of English Language Arts)
- 1.0 Social Studies (U.S. History)
- 1.0 Math
- 1.0 Science (Biology)
- .5 Physical Education Foundations
- 1.5-2.5 Additional course credits

6-7 Total Credits

GRADE 10 *No more than 1 Academic Resource period per semester is allowed.*

- 1.0 English (English Studies or AP Seminar)
- 1.0 Social Studies*
- 1.0 Math
- 1.0 Science
- .5 Physical Education
- 1.5-2.5 Additional course credits

6-7 Total Credits

***Social Studies Option 1:**
Contemporary World Studies

***Social Studies Option 2:**
AP Human Geography

***Social Studies Option 3:**
AP World History - Modern

GRADE 11 *No more than one Academic Resource period per semester is allowed unless a student is in an approved work experience/Start College Now program/Early College Credit program/Youth Apprenticeship program.*

- 1.0 English (Advanced English Studies or AP Language & Composition)
- 1.0 Social Studies
- 1.0 Math
- 1.0 Science
- .5 Physical Education
- .5 Health
- 1-2 Additional course credits

6-7 Total Credits

GRADE 12 *Senior Release can be selected either 1st/2nd or 7th hour. No more than three Academic Resource/release periods are allowed during the senior year.*

- 1.0 English (AP Language & Composition, AP Literature, or English Electives)
- 4.5-6 Additional credits or core credits needed to fulfill graduation requirements.

5.5-7 Total Credits

NOTE: *The Class of 2028 will be required to take a 0.5 credit Financial Literacy course.*

EARLY GRADUATION

Students seeking to graduate a full year early must earn 16.5 credits by the end of Grade 10. Students seeking to graduate a semester early must earn 20 credits by the end of Grade 11. All graduation requirements must be met within this time frame. Requests for early graduation are evaluated on an individual basis. Students considering early graduation must schedule an appointment with their counselor and family prior to their final year of enrollment at VAHS.

CHOOSING VAHS COURSEWORK FOR POST-SECONDARY STUDY

Although each individual post-secondary institution sets its own requirements for entrance, students interested in attending a four-year college or university are advised to meet the distribution requirements for the University of Wisconsin System. Know the specific requirements for your institutions of interest.

The UW System institutions require a minimum of 17 core college preparatory credits, distributed as follows:

English: 4 credits

Composition, Literature & Rhetoric

Mathematics: 3 credits

Algebra, Geometry, and other math courses with Algebra and Geometry prerequisites

Social Science: 3 credits

Inclusive of culture, history, political science, and human behavior in societies

Natural Science: 3 credits

Biology, Chemistry, and Physics, may also include Earth Science, Geology, and Physical Science. Courses often include a lab.

World Language: Through the second year of sequence

Many 4-year universities, including UW-Madison, highly recommend a minimum of 2 years of the same world language.

Fine Arts: .5 - 1.0 credits in the Fine Arts

May be required by some four-year colleges for admission. Generally, this includes the visual and performing arts.

Electives: 4 credits

Choose additional credits from the above college preparatory areas. Courses in Fine Arts, Computer Science, and other academic areas may or may not be accepted as college preparatory credits. Minnesota Public Universities require 1 year of visual and/or performing arts in addition to the minimum core credits listed above. Students may be admitted with this deficiency.

Choosing VAHS Coursework Continued on Next Page

Students are reminded that these are minimal requirements. Typical preparation for some of the more selective colleges and universities, including UW-Madison and the University of Minnesota-Twin Cities, includes credits beyond the minimum in the core academic subject areas.

Capable students should pursue a course of study challenging enough to ensure suitable options for their aptitudes and abilities. Students who exceed the number of required college preparatory credits have improved chances for college admission and improved likelihood of success in college study.

Opting for a program of minimum requirements does not necessarily open doors to colleges or universities, especially when highly selective post-secondary institutions are being considered. Specific requirements vary from institution to institution. Students are responsible for researching specific requirements of individual post-secondary schools of interest.

2-Year and Technical Colleges/Institutions

Typically, students may enroll in technical schools and programs with a high school diploma. ACT scores may be required as a placement tool in English and Math courses. Additional credits are frequently required for particular programs of study. Students are responsible for researching specific requirements of individual post-secondary schools and programs of interest.

18-21 Program for Students with IEPs and Post-High School Goals:

The 18-21 program is a community-based program for students who have met graduation requirements but continue to need special education services to meet IEP goals focused on connections to adult resources and services such as postsecondary education, transition needs/goals, and employment opportunities. The program focuses on school and community experiences (e.g., vocational skills, transportation, communication, daily living, community/recreation skills) based on individual preferences, interests, strengths, and needs aligned with postsecondary goals. In addition, the program helps facilitate linkages to adult services and post-school environments. Programming is developed based on specially designed instruction minutes of IEP goals through the IDEA process.



Advanced Placement (AP) is the most widely recognized and accepted college-level academic program available to high school students in the nation. With qualifying exam scores, students can earn credit, advanced college placement, or both at the majority of colleges in the United States and Canada.

Individual colleges and universities grant course credit and placement, not the College Board or the AP Program. Students are encouraged to review the policies stated by the colleges/universities they are interested in for specific AP credit information. Most colleges and universities begin granting credit with exam scores of 3 or higher.

You can find credit information specific to individual colleges/universities by using the AP Credit Policy Search at www.collegeboard.org/ap/creditpolicy (you must enter the college/university name to locate their criteria and policy). For more information on credit and placement policies within the UW-System, please visit <http://uwhelp.wisconsin.edu/testing/ap.aspx>

Research consistently shows that students who are successful in high school AP classes experience greater success in college than students who do not participate in AP. The rich course material, classroom discussions, and demanding assignments in AP classes help students develop the knowledge and critical thinking skills expected of college students. Even colleges and universities who do not accept AP credits recognize the rigor of AP and look for such courses when reviewing students' transcripts during the college admission process.

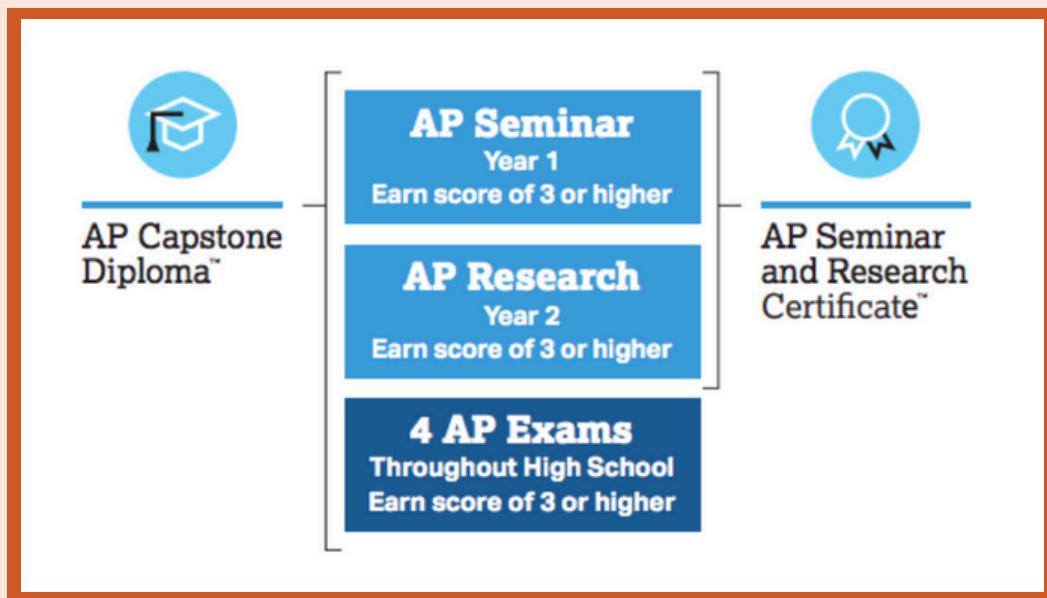
Students are advised that the content and pace of a high school AP course is the equivalent of what might be expected in a similar college course. Outside-of-class homework, reading, and study are expected in all AP courses; however, the expectation for out-of-class study may vary according to subject.

For students in grades 10-12 careful thought and consideration is encouraged regarding AP course selections. Incoming freshmen should seek recommendations from their current Language Arts teacher and Middle School Counselor (and may be admitted with teacher or counselor recommendation and administrative approval). If a freshman is interested in taking an AP course, they would begin this discussion with their counselor.

ADVANCED PLACEMENT (AP) COURSES

AP Test Fee \$110 per test (scholarship available upon registration for eligible students)

- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Precalculus
- AP Chemistry
- AP Computer Science A
- AP Computer Science Principles
- AP United States Government
- AP Economics - Macro
- AP Economics - Micro
- AP English Language & Composition
- AP English Literature & Composition
- AP Seminar English 10
- AP Environmental Science
- AP Human Geography
- AP Music Theory
- AP Physics 1
- AP Physics 2
- AP Physics C - Mechanics
- AP Psychology
- AP Research
- AP Seminar
- AP Spanish Literature and Culture
- AP Statistics
- AP US History
- AP World History - Modern
- AP African American Studies



AP SEMINAR - BLENDED

VINTB300A1

VINTB300B2

Grades: 11, 12 **Prerequisite:** None

Credit: 1.0, Year course, Science or Social Studies credit dependent on the research topic

NOTE: We highly recommend students attend AP Seminar Boot Camp.

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student’s classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the course guide for more detailed information and a listing of all blended course offerings.

AP Seminar, the first course in the AP Capstone experience, equips students with independent research and communication skills and the opportunity to engage in a rewarding collaborative team project. As a class, students will have the opportunity to select real-world issues to investigate from a suggested list (example topics: Environmental Sustainability, Social Activism, Bioethics, Immigration, Privacy in the Information Age, Race Relations in America). Students will analyze these real-world issues through multiple perspectives, using the inquiry framework to gather information to develop evidence-based arguments in written essays and oral and visual presentations. A large portion of the course is discussion-based activity; students should be prepared to engage in a focused discussion of ideas as they express informed opinions and perspectives. AP Seminar is a blended course, which gives students the opportunity to independently research, collaborate with their team, and meet with their instructor. Students will be expected to complete the following AP course requirements: an individual research-based essay & presentation and team project & presentation scored by the AP Seminar teacher and College Board. In addition, there is an end-of-course exam scored by the College Board.

AP Seminar is a required prerequisite for AP Research. The AP Capstone is a diploma program from the College Board; students who earn a 3 or higher in AP Seminar, AP Research, and 4 other AP Exams earn the AP Capstone Diploma. Students who earn a 3 or higher in AP Seminar and AP Research earn the AP Seminar and Research Certificate. Students earning a 3 or higher in AP Seminar may have the opportunity to earn college credit.

AP RESEARCH - BLENDED

VINTB400A1

VINTB400B2

Grades: 12 **Prerequisite:** AP Seminar

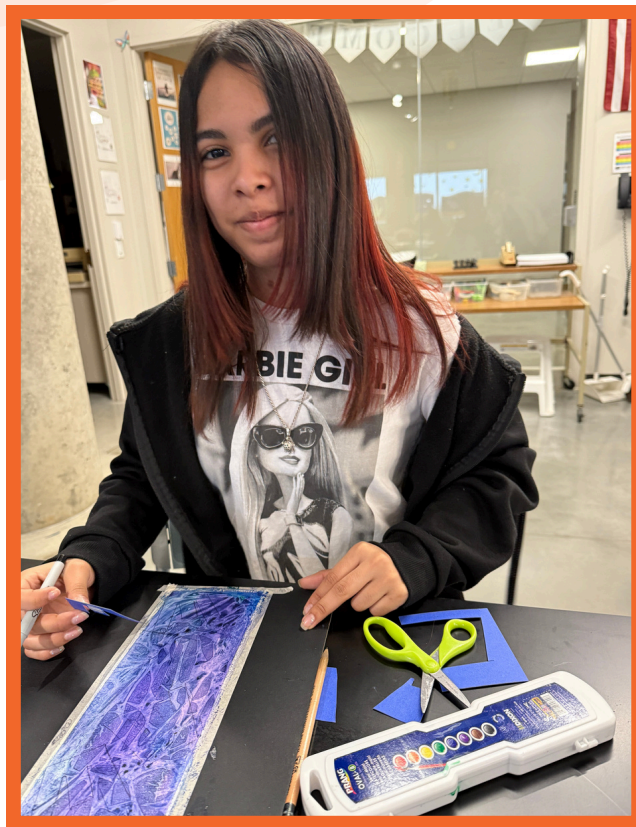
Credit: 1.0, year course; Content-area credit dependent on research topic

NOTE: We highly recommend students attend AP Research Boot Camp.

AP
CAPSTONE
COURSES

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the course guide for more detailed information and a listing of all blended course offerings.

AP Research is the second course in the AP Capstone program, which builds upon the QUEST inquiry framework from AP Seminar. Students will explore an academic topic, problem, issue, or idea based on their own individual interest and then design, plan, and implement a year-long investigation to address their research question. Using ethical research practices, students will further their skills in research methodology and accessing, analyzing, and synthesizing information. Students will reflect on their research processes and create a process and reflection portfolio of their scholarly work. The course culminates in an academic paper and a presentation with an oral defense. AP Research is the second class in the AP Capstone Diploma Program. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate



Project Lead the Way (PLTW) is a non-profit organization focused on introducing and preparing high school students for Biomedical, Engineering and Technical careers of the future. PLTW forms partnerships with public schools, higher education institutions, and the private sector to increase opportunities for students in engineering and technical fields. PLTW provides transformative learning experiences for students through engaging curriculum, hands-on learning, and student empowerment to develop in-demand knowledge and skills. Some engineering schools give advanced standing for completion of PLTW coursework. PLTW courses are accessible to ALL students, and the initial biomedical courses expose students to multiple career options in the biomedical arena. All of the courses are based on problem-solving, teamwork, communication, and leadership as the students also build the math, science, and technology skills to prepare for and succeed in tomorrow's careers.

The PLTW STEM education programs provide the inspiration for a new generation of innovators, the practical skills and hands-on experience to make students' knowledge count in the real world, and the basis for the next generation of leadership in the sciences, technology, engineering, and mathematics. PLTW develops motivated, well-rounded students by instilling confidence, stressing the importance of self-discovery, encouraging innovative problem-solving and critical thinking, teaching team building, and rewarding creativity. VAHS is a certified PLTW school. Upon successful completion of an exam, students are eligible for college credit at cooperating colleges.

DEPARTMENT	ORGANIZATION AWARDDING CERTIFICATE	CERTIFICATE NAME
Biomedical Pathway	PLTW Principles of Biomedical Science PLTW Human Body Systems PLTW Medical Interventions PLTW Biomedical Innovations	Science Department
Engineering Pathway	PLTW Introduction to Engineering Design PLTW Principles of Engineering - Design and Applications PLTW Principles of Engineering - Infrastructure and Sustainability PLTW Engineering Design and Development	Tech Ed and Engineering

Students who complete the requirements of their chosen pathway earn the AP + PLTW student recognition, a qualification that demonstrates to colleges and employers that the student is ready for advanced coursework and interested in careers in this discipline. To earn the recognition, the student must satisfactorily complete three courses in the pathway – one AP course; one PLTW course; and a third course, either AP or PLTW – and earn a qualifying score of 3 or higher on the AP Exam(s) and a score of Proficient or higher on the PLTW End of Course (EoC) assessment(s).

The following AP and PLTW Courses are part of AP + PLTW recognition and are available at VAHS.

LEVEL	ENGINEERING	BIOMEDICAL SCIENCE	COMPUTER SCIENCE
College - AP Courses	AP Biology AP Calculus AB AP Calculus BC AP Chemistry AP Computer Science A AP Computer Science Principles AP Environmental Science AP Physics 1: Algebra-Based AP Physics 2: Algebra-Based AP Physics C: Mechanics AP Precalculus AP Statistics	AP Biology AP Chemistry	AP Computer Science Principles AP Computer Science A
Career - PLTW Courses	Introduction to Engineering Design Principles of Engineering - Design and Applications Principles of Engineering - Infrastructure and Sustainability Engineering Design and Development	Principles of Biomedical Science Human Body Systems Medical Interventions Biomedical Innovations	



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 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 college course taught on campus.

DUAL CREDIT COURSES

Dual Credit with Madison College

DEPARTMENT	VAHS COURSE NAME	VAHS COURSE NUMBER	MADISON COLLEGE COURSE NAME	MADISON COLLEGE COURSE NUMBER
AGRICULTURE AND SCIENCE	Biotechnology	VSCI0106A0	Biotechnology Applications	#10007110
	Advanced Biotechnology	VSCI0206A0	Biotechnology Career Seminar	#10007111
CAREER & COLLEGE READINESS	Career & College Readiness	VCTE0100A0	College and Career Readiness	#10890123
FAMILY & CONSUMER SCIENCE	Start College Now Program- Nursing Assistant	VYOP0112A0	Nursing Assistant	#30543300
MATH	Mathematical Reasoning	VMAT0250A1 - Sem 1 VMAT0250B2 - Sem 2	Mathematical Reasoning	#10804134
TECHNOLOGY EDUCATION	Advanced Wood Processes	VTEE0306A0	Woodworking 1A: Machinery & Methods	#31409328
	Fundamentals of Construction 1	VTEE0237A0	Fundamentals of Construction 1	#31410410
	Fundamentals of Construction 2	VTEE0337A0	Fundamentals of Construction 2	#31410411
	IT Essentials	VTEE0312A0	A+ Computer Hardware Essential	#10154104
	Advanced Welding Technology SMAW - Dual Credit	VTEE0231A1 - Sem 1 VTEE0231B2 - Sem 2	Basic Arc (Shielded Metal Arc Welding - SMAW)	#31442315
	Advanced Welding Technology - GMAW - Dual Credit	VTEE0232A1 - Sem 1 VTEE0232B2 - Sem 2	Basic Arc (Shielded Metal Arc Welding - GMAW)	#31442323
	Machine Tool	VTEE0152A1 - Sem 1 VTEE0152B2 - Sem 2	Machine Tool 1A	#32420371
	Metal Fabrication	VTEE0158A0	Fabrication 1	#31457301
	Automotive Technology I	VTEE0246A0	Automotive Fundamentals	#10602100
	Automotive Technology III	VTEE0446A1 - Sem 1 VTEE0446B2 - Sem 2	Automotive Service Procedures	#10602101
PLTW Intro to Eng & Design	VTEE0198A0	Course Name coming soon		

Additional Dual Credit Opportunities

DEPARTMENT	VAHS COURSE NAME	VAHS COURSE NUMBER	TECHNICAL COLLEGE AWARDING DUAL CREDIT
AGRICULTURE SCIENCE	Soil and Plant Science - Dual Credit - Science Credit	VAGR0101A0	Gateway Technical College (Complete all 3 and get a horticulture basic certificate)
	Horticulture - Dual Credit - Science Credit	VAGR0129A0	
	Advanced Soil and Plant Science - Dual Credit - Science Credit	VAGR0200A0	
AGRICULTURE SCIENCE	Natural Resource Management	VAGR0219A1	Fox Valley Technical College
AGRICULTURE SCIENCE	Agricultural Food Science	VAGR0131A0	Mid-State Technical College
	Science of Veterinary Medicine 2	VAGR0206A2	

Dual Credit with UW Schools

DEPARTMENT	VAHS COURSE NAME	VAHS COURSE NUMBER	UW SCHOOL COURSE NAME	MADISON COLLEGE COURSE NUMBER
ENGLISH	Fundamentals of Public Address	VENG0360A0 - either sem	Communication 133 - UW Green Bay	133
SCIENCE	Biology 2: Anatomy and Physiology	VSCI0300A1 - Sem 1 VSCI0300B2 - Sem 2	Human Biology 102 - UW Green Bay	102
WORLD LANGUAGE	French 4	VWOR0401A1 - Sem 1 VWOR0401B2 - Sem 2	French 202 - UW Green Bay	202
	German 5	VWOR0502A1 - Sem 1 VWOR0502B2 - Sem 2	German 202 - UW Green Bay	202
	Spanish 5	VWOR0500A1 - Sem 1 VWOR0500B2 - Sem 2	Spanish 202 - UW Green Bay	202
	Adv. Spanish Lit & Language	VWOR310A1- Sem 1 VWOR310B2- Sem 2	Spanish 224	

The following VAHS courses allow students to earn a certificate in the area of study.

DEPARTMENT	VAHS COURSE NAME	VAHS COURSE NUMBER	ORGANIZATION AWARDING CERTIFICATE	CERTIFICATE NAME
FAMILY & CONSUMER SCIENCES	Professional Culinary	VFCS0500A1 - Sem 1 VFCS0500B2 - Sem 2	National Restaurant Association Educational Foundation	ProStart National Certificate of Achievement (students must complete both courses to earn certification)
	Assistant Childcare Teacher	VFCS0412A0	Wisconsin Department of Public Instruction	Assistant Childcare Teacher Certification
	Nursing Assistant	VYOP0112A0	Madison College	Nursing Assistant Technical Diploma
	Childcare Teacher (CCT)	VFCS0512A1 - Sem1 VFCS0512B2 - Sem2	Wisconsin Department of Public Instruction & Wisconsin DCF	Childcare Teacher Certification
PHYSICAL EDUCATION	Water Safety Instructor Training	VPHY0306A0	American Red Cross	Red Cross Water Safety Instructor
	Lifeguard Training and CPR for the Professional Rescuer	VPHY0236A0	American Red Cross	Red Cross CPR Certification
	Coaching and Officiating Sports	VPHY0230A0	WIAA	Red Cross Lifeguard Certification
TECHNOLOGY EDUCATION	Wood Processes 2/Advanced Woods	VTEE0206A0 VTEE0306A0	Woodwork Career Alliance of North America	Sawblade and Core Credential
	Automotive Technology II and III	VTEE0346A0 VTEE0446A1 (Sem 1) VTEE0446B2 (Sem 2)	Snap-On, NC3	Multimeter and Battery
	Various Tech Ed Courses	N/A	Snap-On, NC3	Precision Measuring Instruments

The Advancement Via Individual Determination (AVID) college readiness system provides qualifying students with the tools, strategies, support, and encouragement necessary to succeed in challenging courses while in high school, helping to ensure a successful transition into college. AVID students are motivated to learn and succeed. They aspire to do well in high school and enroll in college, and want preparation while at Verona Area High School that can make this goal a reality.

Criteria we consider when selecting AVID students include: first generation to attend college, historically underserved in four-year colleges, low income, average to high test scores, consistently meets academic expectations, college potential with support, desire, and determination and/or have special circumstances.

Students are identified and recruited to apply for the AVID program during the 2nd semester of their 7th grade year based on a comprehensive data review of qualifying indicators. Interested students complete an application and participate in an interview which are reviewed by VASD staff.

If your student is interested in the AVID elective class but did not apply at the end of 7th grade, please contact Whitney Domres, AVID Counselor, or the Verona Area High School AVID Coordinator, Michael Nass.



AVID ELECTIVE - GRADE 9

VAVD0100A1 = Sem 1

VAVD0100B2 = Sem 2

Grade: 9 **Prerequisites:** Acceptance to AVID Program

Credit: 1.0 Year Course Elective Credit

This course is the first step of a four-year college preparatory system for qualifying students to develop the academic and social skills needed to be successful in post-secondary education. Students in AVID 9 learn and practice the foundational AVID skills of WICOR (writing, inquiry, collaboration, organization, and reading), participate in weekly tutorial sessions to support their academic achievement, learn time management strategies, and set and reflect on short and long term goals. Students in AVID 9, also participate in motivational and experiential learning opportunities including guest speakers, field trips, college visits, and seminars. Additionally, AVID students will be highly encouraged to enroll in advanced courses in high school.

AVID ELECTIVE - GRADE 10

VAVD0200A1 = Sem 1

VAVD0200B2 = Sem 2

Grade: 10 **Prerequisites:** Acceptance to AVID Program

Credit: 1.0 Year Course Elective Credit

This course is the second step of a four-year college preparatory system for qualifying students to develop the academic and social skills needed to be successful in post-secondary education. Students in AVID 10 continue to deepen their WICOR (writing, inquiry, collaboration, organization, and reading) skills, and participate in weekly tutorial sessions to support their academic achievement. The curriculum for AVID 10 includes opportunities to explore and research careers and colleges and work on their communication skills. Students in AVID 10 also participate in motivational and experiential learning opportunities including guest speakers, field trips, college visits, and seminars. Additionally, AVID students will be highly encouraged to enroll in advanced courses in high school.

AVID ELECTIVE - GRADE 11

VAVD0300A1 = Sem 1

VAVD0300B2 = Sem 2

Grade: 11 **Prerequisites:** Acceptance to AVID Program

Credit: 1.0 Year Course Elective Credit

This course is the third step of a four-year college preparatory system for qualifying students to develop the academic and social skills needed to be successful in post-secondary education. Students will continue to refine their WICOR (writing, inquiry, collaboration, organization, and reading) skills, build knowledge and skills to support the successful completion of college entrance exams (ACT), begin writing a resume, personal statement and other college application essays, and gather documents for the college application process. Students in AVID 11 will also participate in motivational and experiential learning activities including speakers, field trips, college visits, seminars, and are eligible to apply to paid summer internships through a partnership with the Boys and Girls Club of Dane County. Additionally, AVID students will be highly encouraged to enroll in advanced courses in high school.

AVID ELECTIVE - GRADE 12

VAVD0400A1 = Sem 1

VAVD0400B2 = Sem 2

Grade: 12 **Prerequisites:** Acceptance to AVID Program

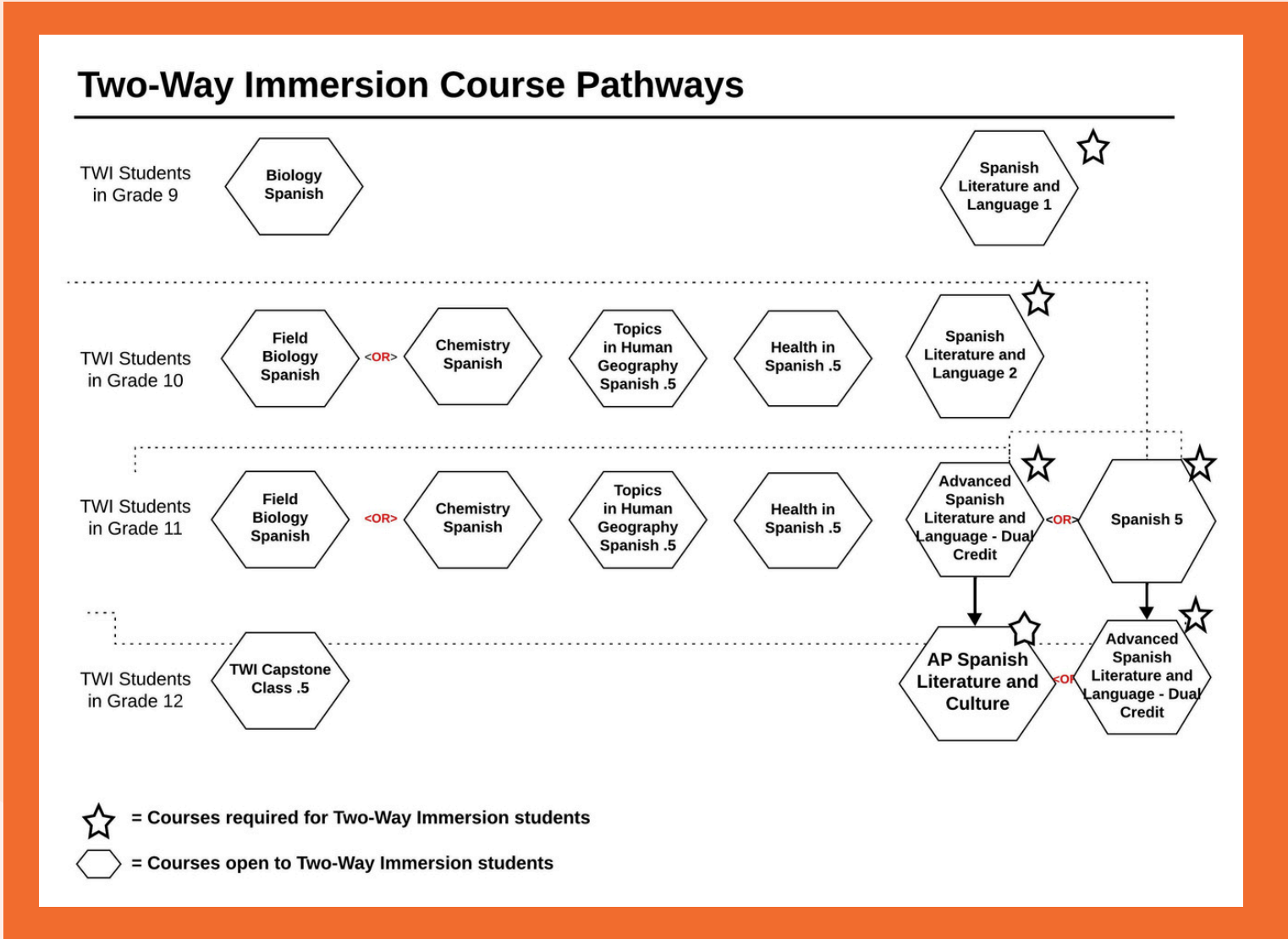
Credit: 1.0 Year Course Elective Credit

This course is the fourth step of a four-year college preparatory system for qualifying students to develop the academic and social skills needed to be successful in post-secondary education. Students will continue to refine their WICOR (writing, inquiry, collaboration, organization, and reading) skills, revise personal statements and other college and scholarship essays, complete college and scholarship applications, learn about financial literacy, and receive support in finalizing their post-secondary transition plans. Students in AVID 12 will also participate in motivational and experiential learning activities including speakers, field trips, college visits, seminars, and are eligible to apply to paid summer internships through a partnership with the Boys and Girls Club of Dane County. Additionally, AVID 12 students will be highly encouraged to enroll in advanced courses in high school. AVID 12 culminates in celebrating the accomplishments of years of effort as college acceptance letters and scholarship awards are received.



The **Two-way Immersion (TWI)** Program grows to 12th grade in the fall of the 2025-26 school year. Students in the TWI program have been learning in English and in Spanish since Kindergarten and will continue as bilingual and bicultural learners for all four years in high school. The TWI Program provides VAHS students with the opportunity to take one content area class in Spanish as well as a high level Spanish language course.

TWI - Two-way Immersion Pathway to Biliteracy



9th grade TWI students are required to take Spanish Literature and Language 1, offered through the World Languages Department. As 9th graders, TWI students have a choice to register for Biology in Spanish offered through the Science Department.

10th grade TWI students are required to take Spanish Literature and Language 2, offered through the World Languages Department. They have the choice to register for Chemistry in Spanish or Field Biology in Spanish offered through the Science Department. They also have the choice to take Topics in Human Geography and Health in Spanish.

11th grade TWI students are required to take Advanced Spanish Literature and Language-Dual Credit offered through the World Languages Department. They have the choice to register for Field Biology in Spanish or Chemistry in Spanish offered through the Science Department and Topics in Human Geography in Spanish and Health in Spanish.

12th grade TWI students are required to take AP Spanish Literature and Culture and it is highly recommended they take the TWI Capstone Class.

Students in the TWI program also have the opportunity to earn the Wisconsin Seal of Biliteracy upon reaching levels of proficiency in English and Spanish as demonstrated on the STAMP4s language assessment. Students may work on the requirements for the Wisconsin Seal of Biliteracy throughout high school, but will receive the medallion senior year at graduation.

Seal of Biliteracy - Any student at Verona Area High School who knows more than one language has the opportunity to earn the Wisconsin Seal of Biliteracy upon reaching levels of proficiency in English and another language as demonstrated on the STAMP4s language assessment, as well as demonstrating global/socio-cultural competency. Students may work on the requirements for the Wisconsin Seal of Biliteracy throughout high school, but will receive the medallion senior year at graduation. Information is available from the Seal of Biliteracy coordinator or World Language or Multilingual Program staff.

TWI Capstone

Grades: 12 **Prerequisite:** Spanish Literature & Language 1, Spanish Literature & Language 2, Advanced Spanish Literature & Language, and concurrent enrollment in AP Spanish Literature & Culture

Students will be learning research skills to investigate and act on a topic of their choosing to strengthen connections between VASD and the Latino community as a capstone to their years in the TWI program. Students will be researching and putting into place a project that fits both the community's needs and their interests. Students will be visiting and learning about different community Hispanic serving organizations that they will be able to contribute to as bilingual individuals. Students will present their projects at a showcase event where parents, teachers, and community partners listen to brief presentations of the students' findings.



Blended Learning Courses: Ensuring the success of our students at the postsecondary level is among the highest priorities at Verona Area High School. We believe that preparing students to be independent and self-motivated is an important part of that preparation and, to that end, we are excited to offer the blended classes listed below.

Blended learning classes adhere to the same curriculum as the traditional class. Blended learning is a class structure where students will experience a combination of learning days in the classroom and learning off-campus or in the VAHS library. These courses allow students to work in flexible groups, develop the skills necessary to be an independent learner, and gradually take on the responsibility for their learning, while working to meet and exceed grade-level expectations.

What is “non-blended learning”?

- All students are working in the classroom with the teacher.

What is “blended learning”?

- Blended learning days are when some students are working with the classroom teacher, while others are working in the school library or off-campus. Some days your student may be working on a project alone, other days they may be collaborating with their peers. Blended learning will not occur during the first two weeks or the last week of the course.

Blended learning courses are open to juniors and seniors who are ready for more independence in their learning. Teachers will determine what days are “blended” and communicate this with students.



This combination of in-class and independent learning time allows students greater control over the pace, place, and path for completing their coursework. Teachers will be available for instruction or support during each class period. Students always have the option of going to the classroom on a blended day, when they are not directly assigned to be in class.

BLENDED LEARNING		
DEPARTMENT	VAHS COURSE NAME	VAHS Course Number
AGRICULTURE	Biotechnology - BLENDED Advanced Biotechnology - BLENDED	VSCIB106A0 VSCIB206A0
ART	Photography 2 - BLENDED Advanced Photography - BLENDED	VARTB206A0 VARTB306A0
ENGLISH	The Art of Persuasion - BLENDED Creative Writing - BLENDED Fundamentals of Public Address - BLENDED AP Research - BLENDED	VENGB318A0 VENGB330A0 VENGB360A0 VINTB400A1, VINTB400B2
FAMILY AND CONSUMER SCIENCE	Culinary 1 - BLENDED Culinary 2 - BLENDED Culinary 3 - BLENDED	VFCSB100A0 VFCSB200A0 VFCSB300A0
PE/HEALTH	Health Education - BLENDED	VHTH0201A0
PROJECT LEAD THE WAY - PLTW	PLTW - Medical Interventions - BLENDED PLTW - Biomedical Innovations - BLENDED	VSCIB399A1, VSCIB399B2 VSCIB499A1, VSCI0499B2
SCIENCE	Field Biology - BLENDED AP Environmental Science - BLENDED Earth Science - BLENDED AP Research - BLENDED	VSCIB237A1, VSCIB237B2 VSCI0116A1, VSCI0116B2 VSCIB230A1, VSCIB230B2 VINTB400A1, VINTB400B2
SOCIAL STUDIES	Social Psychology - BLENDED Ancient Civilizations - BLENDED Psychological Foundations of the Adolescent - BLENDED Rock and Roll Society and American Culture - BLENDED Sports & History - BLENDED AP African American Studies - BLENDED AP Seminar - BLENDED AP Research - BLENDED	VSOCB306A0 VSOCB312A0 VSOCB330A0 VSOCB342A0 VSOCB348A0 VSOC0425A1, VSOC0425B2 VINTB300A1, VINTB300B2 VINTB400A1, VINTB400B2

EARLY COLLEGE CREDIT PROGRAM & START COLLEGE NOW PROGRAM OVERVIEW

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.

The program provides opportunities for high school students to get a head start on a technical diploma, an associate or bachelor’s degree, to learn more about a field or career of interest, and/or to develop specific skills for entering the work-force immediately after high school graduation.

Through the **Early College Credit Program** and/or the **Start College Now Program**, the VASD 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.

Applications for fall courses are due by March 1 and for spring courses by October 1. To obtain more information about this program, contact the VAHS School to Career Coordinator.



**STEM
ACADEMY**

MADISON COLLEGE EARLY COLLEGE STEM ACADEMY

The STEM Academy is a dual enrollment program where high school students interested in Science, Technology, Engineering, and/or Math (i.e., STEM) take a full-time schedule of college classes at Madison College over 11th and 12th grade. Dual enrollment means that students earn both college credits and credits toward high school graduation. Students attend Madison College full-time during the day, and only attend VAHS for extracurricular activities and events after the school day ends.

Verona Area High School will cover all of the cost for students to attend the STEM Academy, meaning students can earn up to 60 college credits at little or no cost to themselves or their families.

Students apply to the STEM Academy by the end of January during their 10th-grade year and those that meet the credit, GPA, and attendance requirements will then move on to an interview. Students accepted into the STEM Academy will be notified in the spring.

Contact the School to Career Coordinator or School counselor for more information.

The 16 Career Clusters are ways for students to group their required courses and electives into a coherent sequence in preparation for college and careers. Utilizing Career Clusters, students can identify pathways from high school to two- and four-year colleges, graduate school, and/or directly to the workplace.

Working collaboratively with parents, school counselors, and the school-to-career coordinator, the student will have the tools necessary to select relevant and applied coursework designed to meet their educational and career goals. In addition, more information can be located at [Pathways to College & Career Readiness](#).

Knowledge and skills needed to succeed in all career clusters: Academic Foundations, Communications, Problem-Solving, and Critical Thinking, Information Technology Applications, Systems, Safety Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

CAREER AND COLLEGE READINESS VCTE0100A0

Grades: 9 -12 **Prerequisite:** None

Successful careers are built on solid personal and interpersonal skills. The goal of this course is for you to learn about and develop the skills for getting, keeping and finding success in the workplace. This course provides a challenging adventure in learning and self-discovery to help you prepare for a career and/or college. You will develop self-awareness, build relationships, and be empowered to make effective choices in career and college decisions. A wide variety of skills will be explored that promote success in high school and readiness for post-secondary college and career opportunities. Upon successful completion of this course, you will be able to earn 3 college credits from Madison College. This course is a prerequisite for Work Experience credit.

Career Exploration



Work Experience - Employability Skills Program

VCTE0900A0

Grades: 10-12

The Work Experience - Employability Skills Program is open to 10th, 11th and 12th grade students. Students can earn high school elective credit while working at a job they have secured. Students need to work a total of 90 hours and complete additional requirements, like coordinator meetings with the School to Career coordinator. Upon completion of the requirements, students can earn the Employability Skills Certificate from the Wisconsin Department of Public Instruction. The certificate helps demonstrate to potential employers that the student has mastery of the employability skills valued by employers in a variety of worksite settings.

Students interested in this opportunity should meet with the School to Career Coordinator. It is recommended that interested students take the Career and College Ready course (VCTE0100A0).

YOUTH APPRENTICESHIP

Course Number: Varies by Program

Grades: 11-12

Prerequisite: Application Process plus Related Course Enrollment

Credit: 1.0 per semester, up to 2.0 credits per year (year-long 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. This cooperative program with the Dane County School Consortium and an area employer allows students to earn high school (and sometimes college) credits while earning an hourly wage and learning from skilled professionals in a career pathway of their choice. While enrolled in the Youth Apprenticeship program, students will develop academic and occupational skills necessary for employment. Students must complete 450 hours of on-the-job experience during the year, and all meeting and journaling requirements in order to earn 2.0 elective credits (1.0 credit per semester). Students must also concurrently enroll in a course related to their apprenticeship. Options available to meet this requirement include: Verona Area High School courses, online courses, Dane County School Consortium (DCSC) courses, or postsecondary courses (through Madison College).



VAHS YA programs available in the areas of:

- Agriculture, Food & Natural Resources (including Veterinary Technician)
- Architecture & Construction
- Arts, A/V Technology & Communication
- Business Management & Administration
- Education & Training
- Finance
- Government and Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Manufacturing
- Marketing
- Law & Public Safety
- Science, Math, Engineering, Technology (STEM)
- Transportation, Distribution & Logistics

For more information, check out the Youth Apprenticeship program by clicking here [DCSC YA Program](#)

The Youth Apprenticeship Program at VAHS currently offers programs in the following career areas:



YA - AGRICULTURE WORK EXPERIENCE VYAP0130AO

Grades: 11, 12 **Prerequisite:** Application Required

The Agriculture Apprenticeship is for students interested in careers in the Agriculture, Food & Natural Resources career cluster. Students in this Youth Apprenticeship must complete two semesters of coursework yearly that focus on veterinary science, animal care, wildlife management, soil and plant science, or agribusiness.

YA - ARTS, A/V TECHNOLOGY & COMMUNICATION WORK EXPERIENCE VYAP0140AO

Grades: 11, 12 **Prerequisite:** Application Required

The Arts, A/V Technology & Communication Apprenticeship is for students interested in careers in printing technology from graphic designers to press operators to customer service representatives and sales. Students in Youth Apprenticeship must complete two semesters of coursework yearly that focus on digital production, web design, social media and advertising, and business.

YA - ARCHITECTURE & CONSTRUCTION WORK EXPERIENCE VYAP0160AO

Grades: 11, 12 **Prerequisite:** Application Required

The Architecture & Construction Youth Apprenticeship is for students interested in careers in the skilled trades of Carpentry, Electrical, Masonry/Concrete, Mechanical/HVAC, and Plumbing/Sprinkler Fitting. Students in Youth Apprenticeship must complete two semesters of coursework yearly that focuses on the construction trades and will also complete the core employability, safety and certifications in OSHA and First Aid.

YA - BIOTECHNOLOGY WORK EXPERIENCE VYAP0184AO

Grades: 11,12 **Prerequisite:** Application Required

The BioTechnology Youth Apprenticeship is for students interested in careers in science, technology, engineering, medicine, research, and mathematics. Students in Youth Apprenticeship must complete a year long course that covers the theory and applications of biotechnology and laboratory techniques. This course is offered one night a week, at the BioPharmaceutical Technology Center Institute in Fitchburg. Applications are due by March 1.



YA - BUSINESS ADMINISTRATION WORK EXPERIENCE

VYAP0110AO

Grades: 11,12 **Prerequisite:** Application Required

The Business, Management & Administration Youth Apprenticeship is for students interested in careers involving planning, oversight and organizational tasks needed to run a business. Students in this Youth Apprenticeship must complete two semesters of coursework yearly that focuses on business law, marketing, human resources and/or computer applications.

YA - EDUCATION WORK EXPERIENCE

VYAP0120AO

Grades: 11, 12 **Prerequisite:** Application Required

The Education Youth Apprenticeship is for students interested in careers that involve planning, managing & providing education and other learning support services associated with childcare settings, schools, libraries & museums. Students in this Youth Apprenticeship must complete two semesters of coursework yearly that focuses on education and/or working with children.

YA - FINANCE AND ACCOUNTING WORK EXPERIENCE

VYAP0150AO

Grades: 11, 12 **Prerequisite:** Application Required

The Finance/Accounting Apprenticeship is for students interested in careers in financial and investment planning, banking, insurance, and business financial management. Students in Youth Apprenticeship must complete two semesters of coursework yearly that focus on accounting, finance, or business.

YA - GOVT & PUBLIC ADMIN WORK EXPERIENCE

VYAP0152AO

Grade: 11, 12 **Prerequisite:** Application Required

Government project management youth apprentices gain skills related to project management approaches to support organizational formulation of strategies and execution of projects to achieve strategic goals. Students in this Youth Apprenticeship must complete two semesters of coursework yearly that focuses on the areas of business, government and/or law.

YA - HEALTH SCIENCES WORK EXPERIENCE

VYAP0193AO

Grade: 11,12 **Prerequisite:** Application Required

The Health Sciences Apprenticeship is for juniors and seniors interested in careers in nursing, dentistry, insurance companies, and other healthcare areas. Students in Youth Apprenticeship must complete two semesters of coursework yearly that focuses on healthcare. These courses could include PLTW courses, Medical Occupations, Medical Terminology, Nursing Assistant, or other opportunities through DCSC or Madison College.



YA - HOSPITALITY, TOURISM AND LODGING WORK EXPERIENCE

VYAP0154AO

Grades: 11, 12 **Prerequisite:** Application Required

The Hospitality, Tourism and Lodging Apprenticeship is for students interested in careers that encompass the management, marketing, and operation of restaurants, lodging, attractions, recreation events, and travel related services. Students in Youth Apprenticeship must complete two semesters of coursework yearly that focuses on business, marketing, or culinary.

YA - HUMAN SERVICES WORK EXPERIENCE

VYAP0165AO

Grades: 11, 12 **Prerequisite:** Application Required

Youth Apprenticeship work experience includes the areas of barbering and cosmetology. Barber and cosmetologist apprentice youths support stylists in delivering client services, ensuring customer satisfaction, and managing salon operations. Students in this Youth Apprenticeship must complete two semesters of coursework yearly that focuses on the areas of human services, social studies, business and/or marketing.

YA - INFORMATION TECHNOLOGY WORK EXPERIENCE

VYAP0196AO

Grades: 11, 12 **Prerequisite:** Application Required

The Information Technology Apprenticeship is for students interested in careers in the design, development, support, and management of hardware, software, multimedia, and systems integration. Students in Youth Apprenticeship must complete two semesters of coursework yearly that focus on computer science and information technology.

YA - MANUFACTURING WORK EXPERIENCE

VYAP0172AO

Grades: 11, 12 **Prerequisite:** Application Required

The Manufacturing Apprenticeship is for students interested in careers in the Manufacturing industry. Students are provided a working understanding of core manufacturing industry skills and occupationally specific technical skills within this industry. Students in Youth Apprenticeship must complete two semesters of coursework yearly that focus on production, production operations management, and industrial maintenance, installation, and repair.

YA - MARKETING WORK EXPERIENCE

VYAP0180AO

Grades: 11, 12 **Prerequisite:** Application Required

The Marketing Apprenticeship is for students interested in careers in Marketing. Pathways in the Marketing program include professional sales, merchandising, marketing communication, marketing research, marketing management. Students in Youth Apprenticeship must complete two semesters of coursework yearly that focuses on business or marketing.

YA - LAW & PUBLIC SAFETY WORK EXPERIENCE

VYAP0168AO

Grades: 11, 12 **Prerequisite:** Application Required

Fire Protection youth apprentices gain skills related to fire protection and community protection. Law Enforcement youth apprentices gain skills related to the enforcement of laws and safety of citizens. Apprentices must adhere to industry safety and security standards. Students in this Youth Apprenticeship must complete two semesters of coursework yearly that focuses on the areas of human services, law and/or social studies.

YA - STEM - ENGINEERING WORK EXPERIENCE

VYAP0170AO

Grades: 11, 12 **Prerequisite:** Application Required

The STEM - Engineering Apprenticeship is for students interested in careers in engineering. Students in Youth Apprenticeship must complete two semesters of coursework yearly that focus on PLTW courses, architectural design, or mechanical design.

YA - TRANSPORTATION, DISTRIBUTION & LOGISTICS WORK EXPERIENCE

VYAP0176AO

Grades: 11, 12 **Prerequisite:** Application Required

The Transportation Apprenticeship is for students interested in careers in Transportation, Distribution & Logistics. Pathway areas include Auto Collision, Auto Technician, Diesel Technician, Logistics/Supply Chain Management.

LEAP (Learner Educational Alternative Pathway)

This program is a non-credit earning alternative education program designed for Verona Area High School students who wish to earn their diploma through non-traditional methods of academic study and career exploration.

To qualify students must be at least 17 years old, in the second semester of their Junior Year, and must be 3 or more credits deficient as compared to same-grade peers. Students are referred by the principal, associate principal, or a student services staff member.

Students will have an Individualized Learning Plan and complete GED preparation or a Proficiency Based program on the VAHS campus. The GED tests (Language Arts, Math, Science, Social Studies) are taken at Madison College. Students must have a state issued identification card if they are taking the GED tests.

A meeting, which includes the student, parent, school counselor, administrator, and LEAP instructor, will be held to determine if placement in LEAP is appropriate. Students must attend LEAP ninety percent of their scheduled hours to remain in the program.

LEARNER EDUCATION ALTERNATE PATHWAY



ACADEMIC RESOURCE

VSTU0200A0

Grades: 9-12 **Prerequisite:** None

Credit: 0

Academic Resource (AR) is a not-for-credit period in a student's schedule that offers students an opportunity to work on for-credit coursework. AR classes allow for one-on-one accountability check-ins with students about grades and assignments, teach study skills and make referrals to the testing center and A+ offerings.

The Verona Area School District offers special education services tailored to meet the needs of students qualifying for special education under the Individuals with Disabilities Education Act (IDEA). These services are designed through collaboration between the student's Individual Education Plan (IEP) team, ensuring personalized educational plans for each student while following the common core state standards.

Students with IEPs will work closely with their assigned case manager and house team to create a four-year plan aimed at achieving graduation requirements and meeting IEP goals. To support their specific needs outlined in the IEP, classes with structured support may be recommended. These courses are intended to provide specially designed instruction or additional support, ensuring a learning environment that addresses the individual requirements of each student.

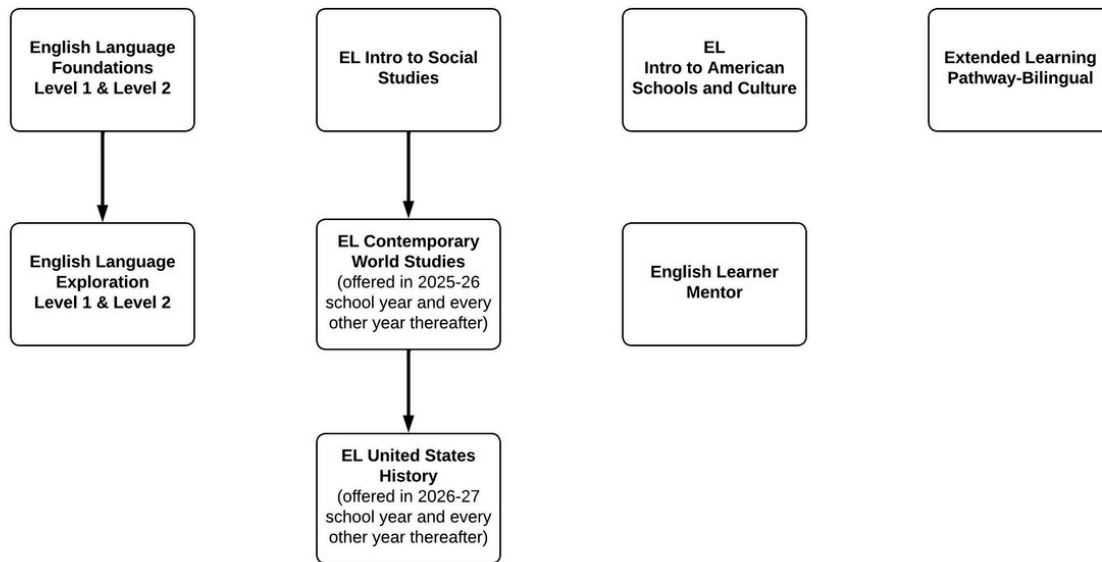
If your child meets the requirements for mastering the essential elements under the alternative core standards, they'll be placed in core classes that align with those standards. This ensures they'll receive instruction that builds upon their foundational knowledge, helping them grow and succeed in their high school studies.

SPECIAL EDUCATION



These courses are designed for students who have recently arrived in the US with little to no exposure to the English language. These classes provide VAHS students with the opportunity to take courses that will assist with English language development in reading, writing, listening and speaking.

English Language Learner Course Pathways



= Courses open to English Learners by placement

English Language Foundations - Level 1 & Level 2

These courses are designed for students who have recently arrived in the US and have had no or limited exposure to learning English previously. These courses focus on developing the four core skills, such as reading, listening, writing, and speaking in addition to developing academic vocabulary and English language grammar. This is a credit-bearing course and replaces the Foundations of English Language Arts class. Students can take English Language Foundations-Level 1 or Level 2 for up to two years based on teacher recommendation.

English Language Exploration-Level 1 & Level 2

These courses are designed for students who have been in the US for at least one year or have previously studied English in their home countries. These courses focus on enhancing the four core skills, such as listening, reading, writing, and speaking as well as mastering complex academic vocabulary and English language grammar. This is a credit-bearing course and replaces the Foundations of English Language Arts class. Students can take English Language Exploration-level 1 or 2 for up to two years based on teacher recommendation.



Intro to American Schools and Culture

This course is designed for students who have recently arrived in the US and have beginning levels of English proficiency as measured by WIDA assessments. This course is developed to help students acclimate to the American school system and the American culture while learning the basic skills for success in an academic environment. The course will focus on developing the four core skills, such as, Listening, Speaking, Reading, and Writing, while covering topics of importance such as American Culture and Citizenship, School Basics, Expectations, and Success, and Community and Health Resources. This is a year-long course as part of a two-year cycle. Students who have recently arrived in the US are required to take this course.

EL United States History

This course is specially designed to examine U.S. History from the end of the 19th Century to the end of the 20th Century. U.S. History will ask students to synthesize knowledge to provide a more complex understanding of history. While learning social studies skills and content, students also will focus on developing the four domains of language in English, including listening, reading, writing and speaking.

EL Intro to Social Studies

This course is a Social Studies course designed to introduce students who have recently arrived from a foreign country to Social Studies concepts. This course explores the themes of social studies through projects, readings and class discussion. The course also explores the unique histories and cultures of the different regions/continents of the world. While learning social studies skills and content, students also will focus on developing the four domains of language in English, including listening, reading, writing and speaking.

EL Contemporary World Studies

This Contemporary World Studies course introduces students to critical global issues and foundational geographic skills, such as map reading and spatial analysis. The course explores diverse topics, including culture, migration, and religion. Students will also investigate political systems and structures, learning how states are formed, the challenges nations face, and the factors that drive conflict and cooperation. Finally, the course delves into pressing economic issues, such as regional development, the influence of industries like fast fashion, and the broader impacts of these topics on society. Through these units, students will gain a comprehensive understanding of the complexities of our interconnected world.

Extended Learning Pathway - Bilingual

Extended Learning Pathway-Bilingual is an alternative project-based class designed for multilingual students who might have had limited education opportunities in the past or interrupted education for six months or more. To qualify, students must be Juniors or Seniors with less than 14 course credits, and have had a gap in their educational career. Students are referred by the Multilingual Coordinator and the Bilingual Resource teachers. Students will have an individualized Learning Plan and complete individual projects related to the four core areas of English, Math, Social Studies, and Science in addition to Health and PE classes.

Students will be able to gain course credits upon successful completion of the assigned projects and fulfill the requirements for graduation.



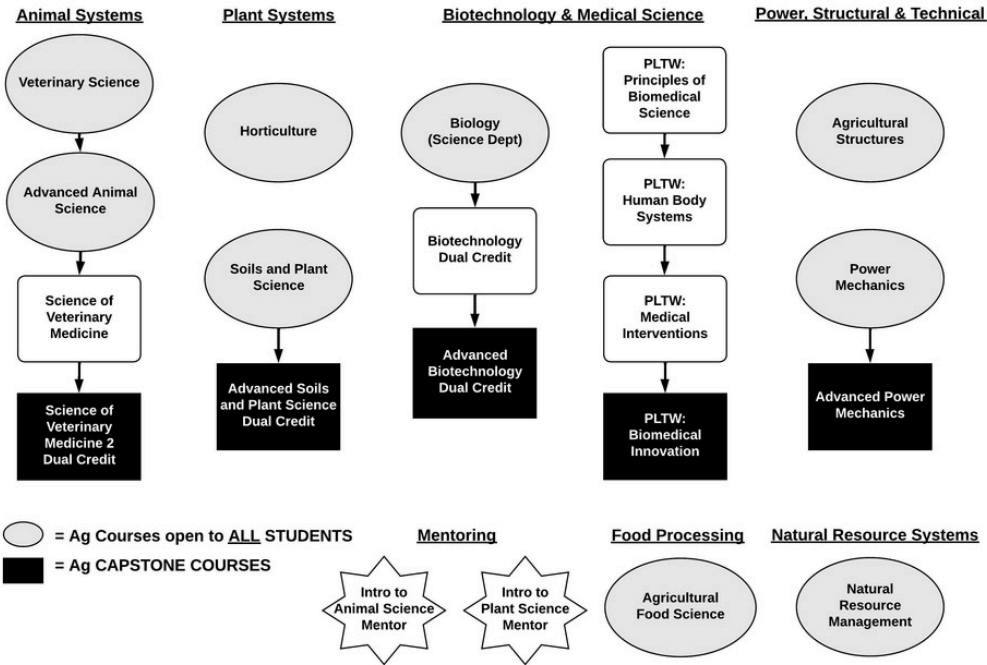
English Learning Mentor

This course is designed for VAHS students to work with our newest English language learners as peer models to help as they learn English and is also a great opportunity for students that are interested in careers in education or world languages. Students who enroll in this course will be placed into one of the English Learner courses offered at VAHS specifically for students who are new to the US. Accepted students will be trained to provide English language speaking opportunities for students learning English, assist in the development of literacy skills in English, participate with students in language-rich activities, lead small group discussions, and complete other reflective assignments as guided by the instructor.





Agriculture Dept Course Pathways



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Intro to Veterinary Science</u>	VAGR0024B2	9-12	Approval from Special Education Administration	Semester .5
<u>Intro to Veterinary Science - Mentor</u>	VAGR0910B2	9-12	None	Semester .5
<u>Intro to Plant Science</u>	VAGR0099A1	9-12	Approval from Special Education Administration	Semester .5
<u>Intro to Plant Science - Mentor</u>	VAGR00900A1	9-12	None	Semester .5
<u>Veterinary Science</u>	VAGR0124A0	9-12	None	Semester .5
<u>Advanced Animal Systems/Vet Science</u>	VAGR00224A2	9-12	Veterinary Science	Semester .5
<u>Science of Veterinary Medicine</u>	VAGR0106A1	10-12	Basic Vet Science and Advanced Animal Systems	Semester .5
<u>Science of Veterinary Medicine 2</u>	VAGR0206B2	10-12	Science of Veterinary Medicine	Semester .5 Dual Credit Option
<u>Soils and Plant Science</u>	VAGR0101A0	9-12	None	Semester .5
<u>Advanced Soil and Plant Science</u>	VAGR0200A0	10-12	Soil & Plant Science	Semester .5 Dual Credit Option
<u>Horticulture</u>	VAGR0129A0	10-12	Soil and Plant Science recommended, not required	Semester .5

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Agricultural Structures/How To</u>	VAGR0212A0	10-12	None	Semester .5
<u>Power Mechanics</u>	VAGR0112A0	10-12	None	Semester .5
<u>Advanced Power Mechanics</u>	VTEE0342A0	11-12	Power Mechanics	Semester .5
<u>Natural Resource Management</u>	VAGR0218A1	10-12	None	Semester .5 Dual Credit Option
<u>Agricultural Food Science</u>	VAGR0130A0	9-12	None	Semester .5 Dual Credit Option
<u>Biotechnology</u>	VSCI0106A0	10-12	Biology	Semester .5 Dual Credit Option
<u>Biotechnology - Blended</u>	VSCIB106A0	10-12	Biology	Semester .5 Dual Credit Option
<u>Advanced Biotechnology</u>	VSCI0206A0	10-12	Biology & Biotechnology	Semester .5 Dual Credit Option
<u>Advanced Biotechnology - Blended</u>	VSCIB206A0	10-12	Biology & Biotechnology	Semester .5 Dual Credit Option
<u>PLTW - Principles of Biomedical Science</u>	VSCI0199A1 - Semester 1 VSCI0199B2 - Semester 2	9-12	None	Year long, 1



INTRODUCTION TO VETERINARY SCIENCE - SCIENCE CREDIT

VAGR0024B2

Grades: 9-12 **Prerequisite:** Approval from Special Education Administration

Credit: .5, Semester Course

Designed for students who have an IEP and follow the Essential Elements, the alternate academic achievement standards that are aligned to the Wisconsin Academic Standards. This is an introductory course that gives students an opportunity to explore Agriculture and Animal Sciences. We learn about the major livestock groups raised in the United States, explore the needs of the animals, and how farmers meet those needs. We will also learn about the genetic differences, diets, and anatomy of the animals along with how agricultural commodities get from the farm to the consumer. Approval from Special Education Administration is required to register for this course.

INTRODUCTION TO VETERINARY SCIENCE - MENTOR

VAGR0910B2

Grades: 10-12 **Prerequisite:** None

Credit: .5, Semester Course

This course provides regular education students the opportunity to partner with students with special needs to learn about Agriculture. Students are expected to participate in all class activities which include hands-on activities, labs, projects, and assisting in the Animal Lab. Introduction to Vet Science is an introductory course to provide students with an IEP an opportunity to explore Agriculture and Animal Sciences. Student mentors will learn strategies for working with students in an inclusive environment and demonstrate knowledge of working with students with various disabilities. We will learn about the major livestock groups raised in the United States. We will explore the needs of the animals and how farmers meet those needs. We will also learn about the genetic differences, diets, and anatomy of the animals. We will also learn how agriculture commodities get from the Farm to the consumer. This course provides relevant content for students interested in careers in the Agriculture, Education & Training, and Human Services Career Clusters. Students will be asked to participate in a 2 hour session prior to the start of classes to review what it means to be a mentor.

INTRODUCTION TO PLANT SCIENCE - SCIENCE CREDIT

VAGR0099A1

Grades: 9-12 **Prerequisite:** Approval from Special Education Administration

Credit: .5, Semester Course

Designed for students who have an IEP and follow the Essential Elements, the alternate academic achievement standards that are aligned to the Wisconsin Academic Standards. This is an introductory course that focuses on the needs of plants, how they grow and photosynthesis. We will explore the anatomy of plants and investigate different foods/plant parts we consume. We also learn how agriculture commodities get from the farm to the consumer. Approval from Special Education Administration is required to register for this course.

INTRODUCTION TO PLANT SCIENCE - MENTOR VAGR0900A1

Grades: 10-12 **Prerequisite:** None

Credit: .5, Semester Course

This course provides regular education students the opportunity to partner with students with special needs to learn about Agriculture. Students are expected to participate in all class activities which include hands-on activities, labs, projects, and assisting in the Greenhouse. Introduction to Plant Science is an introductory course to provide students with an IEP an opportunity to explore Agriculture and the Plant Sciences. Student mentors will learn strategies for working with students in an inclusive environment and demonstrate knowledge of working with students with various disabilities. We will learn about the needs of plants, how they grow, and photosynthesis. We will explore the anatomy of plants and investigate different foods/plant parts we consume. We will also learn how agriculture commodities get from the Farm to the consumer. We will also learn how agriculture commodities get from the Farm to the consumer. This course provides relevant content for students interested in careers in the Agriculture, Education & Training, and Human Services Career Clusters. Students will be asked to participate in a 2-hour session prior to the start of classes to review what it means to be a mentor.

VETERINARY SCIENCE - SCIENCE CREDIT VAGR0124A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

This entry-level course is designed for students with an interest in animals and science. Students will work in the animal lab to better explore animal care and management, breeds, nutrition, reproduction, health, housing, anatomy, and veterinary concerns. Laboratory work is supplemented with readings and class discussion. This course provides relevant content for students interested in careers in Science, Technology, Engineering & Mathematics as well as the Agriculture, Food & Natural Resources Career Clusters. This course counts as a Science credit for high school graduation.

ADVANCED ANIMAL SYSTEMS/VET SCIENCE - SCIENCE CREDIT VAGR0224A2

Grades: 9-12 **Prerequisite:** Veterinary Science

Credit: .5, Semester Course

Designed for students who enjoyed the basic animal veterinary science course, this class will explore animal anatomy and veterinary care through the study of text, completion of projects, and work in the animal lab. Students will gain hands-on experience in how to feed, care for, house, and check the health of all types of animals. This course provides relevant content for students interested in careers in Science, Technology, Engineering & Mathematics as well as the Agriculture, Food & Natural Resources Career Clusters. This course counts as a Science credit for high school graduation.



SCIENCE OF VETERINARY MEDICINE - SCIENCE CREDIT

VAGR0106A1

Grades: 10-12 **Prerequisite:** Basic Veterinary Science and Advanced Animal
Credit: .5, Semester Course



This course immerses students in the field of veterinary science. Major topics include veterinary terminology, safety, sanitation, anatomy/physiology, clinical exams, hospital procedures, parasitology, posology, laboratory techniques, nutrition, disease, office management, and animal management. Careers are explored to provide students interested in pursuing a career(s) in agriculture/animal science the opportunity to understand the wide array of concepts and opportunities relevant to the industry. Students will develop competencies in the skills relevant to the career cluster(s) dealing with animals, biological concepts, and veterinary science in general.

SCIENCE OF VETERINARY MEDICINE 2 - DUAL CREDIT - SCIENCE CREDIT

VAGR0206B2

Grades: 10-12 **Prerequisite:** Science of Veterinary Medicine
Credit: .5, Semester Course

This is the fourth course in the Animal Systems pathway. Students will continue to learn animal science fundamentals. Topics include animal health, anatomy and physiology, genetics and reproduction, nutrition, and animal-related safety. This course also emphasizes techniques to safely work with animals and the skills to successfully work in a career in the animal industry. Upon completion of this course, students earning a C or better will receive credits from Blackhawk Technical College.

SOILS AND PLANT SCIENCE - DUAL CREDIT - SCIENCE CREDIT

VAGR0101A0

Grades: 9-12 **Prerequisite:** None
Credit: .5, Semester Course

This course takes advantage of the VAHS greenhouse and provides students with an opportunity to work with plants in both the greenhouse and outdoors. Students will gain an understanding of soil types, plant growth, plant reproduction, soil minerals, fertilizers, and environmental concerns. This course is recommended prior to enrolling in Horticulture. This course is recommended for students interested in these career clusters: Agriculture, Food & Natural Resources, Architecture & Construction; and Science, Technology, Engineering & Mathematics. This course counts as a Science credit for high school graduation. Upon completion of this course, students in grades 10-12 earning a C or better may earn credits from Gateway Technical College.



ADVANCED SOILS AND PLANT SCIENCE - DUAL CREDIT - SCIENCE CREDIT

VAGRO200AO

DUAL CREDIT through Lakeshore Technical College

Grades: 10-12 **Prerequisite:** Soil and Plant Science

Credit: .5, Semester Course

This class will provide a basic understanding of the nature of soil, and the impacts our management has on the health and productivity of the soil. Students will gain an understanding of soil fertility and learn how to manage soil nutrients to meet crop needs and will evaluate the economic impacts of various soil and crop management systems in regards to world food production. This course is recommended for students interested in these career clusters: Agriculture, Food & Natural Resources; Architecture & Construction; and Science, Technology, Engineering & Mathematics. This course counts as a Science credit for high school graduation. Upon completion of this course, students in grades 10-12 earning a C or better may earn credits from Gateway Technical College.



HORTICULTURE - DUAL CREDIT - SCIENCE CREDIT

VAGRO129AO

Grades: 10-12 **Prerequisite:** Soils and Plant Science recommended, but not required

Credit: .5, Semester Course

This course is designed for students who enjoy working with plants in the greenhouse and outdoors. Course content includes plant reproduction techniques, greenhouse management, landscape designs, floral arrangement, and turf management. Students learn how to plant, prune and maintain a variety of species. The class is laboratory based and requires that students work well independently and in small groups. Recommended for all students who enjoy gardening and plants. The class relates directly to careers in Agriculture, Food, & Natural Resources. This course counts as a Science credit for high school graduation. Upon completion of this course, students in grades 10-12 earning a C or better may earn credits from Gateway Technical College.

AGRICULTURAL STRUCTURES/HOW TO

VAGRO212AO

Grades: 10-12 **Prerequisite:** None

Credit: .5, Semester Course

Students learn the basics of using structures and tools as they relate to agricultural tasks. Emphasis is on problem-solving and hands-on techniques. Content includes beginning landscaping, basic forestry, animal products and care, basic aquaculture and horticultural plumbing. Students work in the greenhouse in addition to using current articles and computer applications. Assessment is primarily based on participation. This course is recommended for students interested in careers in Agriculture, Food, & Natural Resources.

POWER MECHANICS

VAGRO112AO

Grades: 10-12 **Prerequisite:** None

Credit: .5, Semester Course

This is a hands-on class for students who want to know how power equipment works. Prior knowledge or experience is not necessary. During class, students work on gas engines, taking them apart and re-assembling them to work better than new! In the process students gain knowledge and familiarity with a variety of tools. This class is useful for all students who like working with their hands and is related to careers in the following career clusters: Agriculture, Food & Natural Resources; Architecture & Construction; Transportation, Distribution, & Logistics, and Science, Technology, Engineering & Mathematics. This course serves as a prerequisite for Advanced Power Mechanics.

ADVANCED POWER MECHANICS

VTEE0342A0

Grades: 11,12 **Prerequisite:** Power Mechanics

Credit: .5, Semester Course

This class is for students who want more - more power and efficiency from their engines, more time to develop mechanical improvements, and more research into advanced engine designs. Units will include advanced machining, alternative fuels and lubricants, and independent research. Because the class is primarily project-based, students must be motivated to work independently and in small groups. Students should enjoy solving problems and have a respect for detail as well as a strong interest in mechanics. Recommended for students interested in engineering and in the following career clusters: Agriculture, Food & Natural Resources; Architecture & Construction; Transportation, Distribution, & Logistics; and Science, Technology, Engineering & Mathematics.



NATURAL RESOURCE MANAGEMENT - DUAL CREDIT

VAGRO218A1

Grades: 10-12 **Prerequisite:** None

Credit: .5, Semester Course

This course is to develop a comprehensive management of forests, wildlife management practices, hunter education, and related natural resources in populated areas, from inner city to the developing urban fringe, to outlying communities. For too long, as urban areas have been developed, the forests of urban areas have been depleted or eliminated. This course will develop a sense of balance to our everyday lives around environmental issues including backyard wildlife to maintaining and improving existing urban forests. Field trips, hands on work including chainsaw and other pruning equipment as well as planting techniques, existing and new design layouts for urban development will be actively a part of this course.

AGRICULTURAL FOOD SCIENCE - SCIENCE CREDIT - DUAL CREDIT

VAGRO130A0

Grades: 10-12 **Prerequisites:** None

Credit: .5, Semester Course

This course will look at all the processes involved in getting food from the field to your table. From cereal to steak, and even ice cream, we will learn about different agricultural practices involved in food production. This course will include many fun hands-on activities including cheese making, assessing meat quality, and even exploring all the processes involved in making a pizza. The course will also look at food safety, developing a business plan, and comparing diversity among global agriculture and food. Upon completion of this course, students in grades 10-12 earning a C or better may earn credits from MidState Technical College.



BIOTECHNOLOGY - DUAL CREDIT- SCIENCE CREDIT

VSCI0106A0

Grades: 10-12 **Prerequisite:** Biology

Credit: .5, Semester Course, Cross-listed with Science Department for science

Biotechnology promises to change our future! This industry is curing diseases, enhancing reproduction options, extending our lives, creating new energy sources, controlling pollution, and more. Students will have the opportunity to explore and experiment with tissue culture, genetic engineering, food production, medical advances, and crime scene technology. Team-taught with the Science department, this class also qualifies as a laboratory science credit and requires that students have an interest in biology and chemistry. One advanced standing credit is available from Madison College upon completion of this course with a grade of B or higher. This course is recommended for students interested in careers in these career clusters: Agriculture, Food, & Natural Resources and Science, Technology, Engineering & Mathematics. Serves as a prerequisite for Advanced Biotechnology.



BIOTECHNOLOGY - DUAL CREDIT- SCIENCE CREDIT - BLENDED

VSCIB106A0

Grades: 10-12 **Prerequisite:** Biology

Credit: .5, Semester Course, Cross-listed with Science Department for science

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the course guide for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.

ADVANCED BIOTECHNOLOGY- DUAL CREDIT- SCIENCE CREDIT

VSCI0206A0

Grades: 10-12 **Prerequisite:** Biology and Biotechnology

Credit: .5, Semester Course, Cross-listed with Science Department for science credit

This course offers students an opportunity to study the latest research and breakthroughs in the cutting-edge field of biotechnology. This is a laboratory course, and students will research, plan, conduct, and analyze their own experiments. Laboratory work includes studying and practicing tissue culture, gene extraction, genetic engineering, gene sequencing, southern blot, protein identification and extraction. In addition, students will investigate patent laws, ethical questions, and careers in biotechnology. Team-taught with the Science department, this class also qualifies as a laboratory science credit and requires that students have an interest in biology and chemistry. Two advanced standing credit is available from Madison College upon completion of this course with a grade of B or higher. This course is recommended for students interested in careers in these career clusters: Agriculture, Food, & Natural Resources and Science, Technology, Engineering, and Mathematics.

ADVANCED BIOTECHNOLOGY- DUAL CREDIT- SCIENCE CREDIT - BLENDED VSCIB206A0

Grades: 10-12 **Prerequisite:** Biology and Biotechnology

Credit: .5, Semester Course, Cross-listed with Science Department for science credit



This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.

PLTW - PRINCIPLES OF BIOMEDICAL SCIENCE

VSCIO199A1 = SEM 1

VSCIO199B2 = SEM 2

(College Credit eligible upon successful completion of End of Course Exam)

Grades: 9-12

Credit: 1.0, Year-long Science elective credit

Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are also incorporated. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.

Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a **YOUTH APPRENTICESHIP** in one of the following program areas:

- **Agriculture, Food & Natural Resources**
- **Science, Math, Engineering & Technology (STEM) - Biotechnology**

These rigorous one- or two-year programs include pathways for:

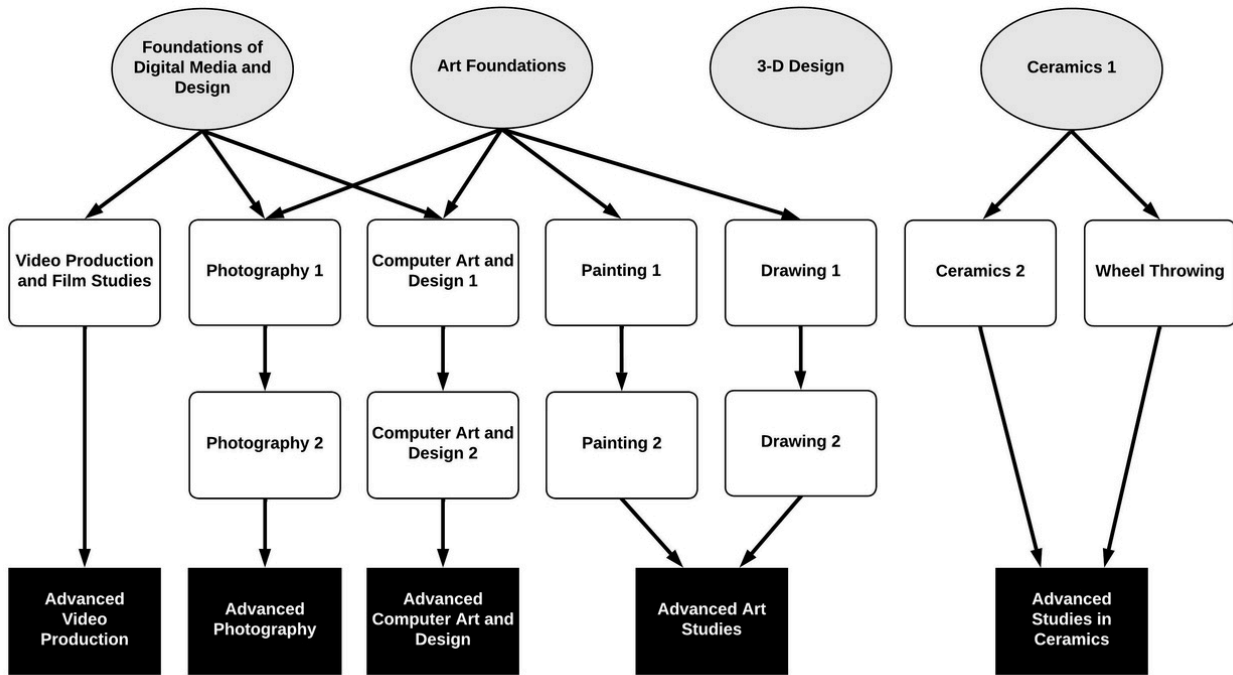
Animal Fundamentals, Animal Herd, Dairy Grazier, Small Animal Vet Tech, Plant Fundamentals, Crops, Floral/Greenhouse, Landscaping, Arborist, Environmental Systems - Water Resources, Agricultural Mechanic, Bioscience Lab Foundations, Bioscience Applications

Please refer to the "Youth Apprenticeship" section in the course guide for more information on this work based learning opportunity.



Art Courses are recommended for students interested in careers in the arts, teaching, professional design, and audio/video technology and communications. Involvement in the arts equips students for success in a broader range of settings as well.

Art Department Course Pathways



○ = Art Courses open to ALL STUDENTS
 ■ = Art CAPSTONE COURSES (may be repeated for credit)





COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Art Foundations</u>	VART0100A0	9-12	Entry-level course, no prerequisite	Semester
<u>Foundations of Digital Media and Design</u>	VART0154A0	9-12	Entry-level course, no prerequisite	Semester
<u>Photography</u>	VART0106A0	9-12	Art Foundations of Foundations of Digital Media and Design	Semester
<u>Photography 2</u>	VART0206A0	10-12	Photography 1	Semester
<u>Photography 2 Blended</u>	VARTB206A0	10-12	Photography 1	Semester
<u>Advanced Photography</u>	VART0306A0	10-12	Photography 2	Semester
<u>Advanced Photography Blended</u>	VARTB306A0	10-12	Photography 2	Semester
<u>Ceramics</u>	VART0112A0	9-12	Entry-level course, no prerequisite	Semester
<u>Ceramics 2</u>	VART0212A0	9-12	Ceramics 1	Semester
<u>Wheel Throwing</u>	VART0255A0	9-12	Ceramics 1	Semester
<u>Advanced Ceramics</u>	VART0312A0	10-12	Ceramics 2 or Wheel Throwing	Semester
<u>3-D Design</u>	VART0160A0	9-12	Entry-level course, no prerequisite	Semester
<u>Computer Art and Design</u>	VART0124A0	9-12	Art Foundations of Foundations of Digital Media and Design	Semester
<u>Computer Art and Design 2</u>	VART0224A0	10-12	Computer Art and Design	Semester

<u>Computer Art and Design - Advanced Study</u>	VART0324A0	10-12	Computer Art and Design 2	Semester
<u>Drawing</u>	VART0130A0	9-12	Art Foundations	Semester
<u>Drawing 2</u>	VART0230A0	10-12	Drawing 1	Semester
<u>Painting</u>	VART0136A0	9-12	Art Foundations	Semester
<u>Painting 2</u>	VART0236A0	10-12	Painting 1	Semester
<u>Advanced Art Studies</u>	VART0318A0	10-12	Drawing 2 or Painting 2	Semester
<u>Video Production and Film Studies</u>	VART0254A0	9-12	Foundations of Digital Media and Design	Semester
<u>Advanced Video Production</u>	VART0354A0	10-12	Video Production and Film Studies	Semester



ART FOUNDATIONS

VART0100A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

This is a studio art class for students who want to explore and develop their artistic skills using various media and techniques. No previous art experience necessary! Students will use an array of art forms, including painting, drawing, printmaking, photography, mixed media, and sculpture. Subject areas may include: still life, perspective, the human face, nature, color theory, art movements, and design. Students will develop an art vocabulary by which to discuss and critique artwork. This class serves as a prerequisite for Painting , Drawing , Computer Art & Design and Photography.

FOUNDATIONS OF DIGITAL MEDIA AND DESIGN

VART0154A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

This is a studio art class for students who want to explore and develop their artistic skills using various media and techniques. No previous art experience necessary! Students will explore an array of digital and traditional art media, including photography, digital video, digital drawing and painting, and mixed media. Topics of study may include: composition, perspective, digital portraiture, color theory, art movements, and design. Students will also develop an art vocabulary by which to discuss and critique artwork. This course serves as a prerequisite for Photography, Computer Art & Design, and Video Production & Film Studies classes.



PHOTOGRAPHY VART0106AO

Grades: 9-12 **Prerequisite:** Art Foundations OR Foundations of Digital Media & Design

Credit: .5, Semester Course

Photography is a semester-long class for students who want to develop their design skills in effective image making. This course is recommended for students who want to expand their expertise in photography for everyday enjoyment or as a career. Students of all ability and experience levels are welcome. We will explore camera operation, photo composition, lighting, creative manipulation (Adobe Lightroom and Adobe Photoshop), and presentation of high-quality digital images. In addition, we will have the opportunity to investigate artists who have come before us as we interpret, analyze, and reflect on works of art in the field of photography. The class encourages student initiative and creativity and requires trustworthiness and problem-solving skills.



PHOTOGRAPHY 2 VART0206AO

Grades: 10-12 **Prerequisite:** Photography 1

Credit: .5, Semester Course

Photography 2 is a semester-long class for students who have already taken Photography and want to further develop their design skills in effective image making. This course is recommended for students who want to expand their expertise in photography for everyday enjoyment or as a career. We will delve deep into the technical workings of camera operation, a range of lenses, dynamic photo composition, experimental lighting, creative manipulation (Adobe Lightroom and Adobe Photoshop), and presentation of high-quality digital images. In addition, we will have the opportunity to investigate and emulate contemporary artists in the current photographic world.

PHOTOGRAPHY 2 - BLENDED VARTB206AO

Grades: 10-12 **Prerequisite:** Photography 1

Credit: .5, Semester Course

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.

ADVANCED PHOTOGRAPHY VART0306A0

Grades: 10-12 **Prerequisite:** Photography 2
Credit: .5, Semester Course



This class is entirely project-based and designed for responsible, mature, and independent students with the passion, motivation, self-discipline, and technical skill to produce a portfolio of independent projects exploring a range of techniques and styles. Together with their teacher, and parallel to Advanced Placement Studio Art requirements, students will design their own curriculum and contract to complete an independent portfolio of projects. Students will enhance their expertise with professional-level cameras, lighting systems, and editing software (Adobe Lightroom and Adobe Photoshop). Scholars in this course will learn how to identify problems, create solutions, and manage time and materials. Students will also be involved in a variety of individual and group critiques, as well as participate in and assist with the first semester showcase and/or senior show in the VAHS Gallery. This class can be repeated for credit.

ADVANCED PHOTOGRAPHY - BLENDED VARTB306A0

Grades: 10-12 **Prerequisite:** Photography 2
Credit: .5, Semester Course

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.

CERAMICS VART0112A0

Grades: 9-12 **Prerequisite:** None
Credit: .5, Semester Course

This class welcomes students to the clay world where both hand-built and wheel-thrown forms are created and glazed. Students will learn a variety of ceramic techniques including hand building and using ceramic tools such as the clay extruder, slab roller, and potter's wheel. Students also learn to use electric fire glazing techniques. No prior experience with clay is required, but students should have a willingness to take risks, work hard, and solve problems. Course includes a final reflection and participation in ceramic critiques in addition to a variety of clay projects.

CERAMICS 2 VART0212A0

Grades: 9-12 **Prerequisite:** Ceramics 1
Credit: .5, Semester Course



Students will extend and develop their ceramics skills acquired in Ceramics, including further practice and instruction in the wheel as a sculpture tool and advanced hand-building techniques. Projects will incorporate advanced construction processes as well as glaze development and application. The class emphasizes ceramics as an art form and requires students to use an art vocabulary and knowledge of design principles for discussion and critiquing. Students should bring an enthusiasm for ceramics and a willingness to take risks and work hard.

WHEEL THROWING VART0255A0

Grades: 9-12 **Prerequisite:** Ceramics 1 **Credit:** .5, Semester Course

Wheel Throwing is designed for students that have successfully completed Ceramics 1 and have a strong interest in deepening their skills using the pottery wheel. All artworks will be created primarily on the wheel, with each student having access to their own wheel for the duration of the semester. Students will review basic foundational skills (centering, opening, pulling, compressing, and trimming) and learn new and advanced skills such as throwing closed forms, platters, lids, handles, combination pieces, double-walled vessels, and more. Projects in this class will build student capacity to consistently produce refined, quality ceramicware while problem-solving design and aesthetic challenges.

ADVANCED CERAMICS VART0312A0

Grades: 10-12 **Prerequisite:** Ceramics 2 or Wheel Throwing
Credit: .5, Semester Course

Designed for students with a passion for the ceramic arts, this course presents an opportunity for the self-motivated artist to advance his or her design and technical skills. Students learn how to make clay and glazes, load kilns, and participate in advanced studio maintenance. Students are required to complete projects and participate in critiques in addition to mentoring Ceramics and Ceramics 2 learners. This class may be repeated for credit.

3-D DESIGN VART0160A0

Grades: 9-12 **Prerequisite:** None
Credit: .5, Semester Course

3-D Design is a beginning sculpture course that concentrates on the development of sculptural ideas and processes through exploration of various materials and techniques. In this class, students tackle large sculptural design problems and smaller, workshop-type assignments. We will study contemporary and historical artists in order to build a breadth of vocabulary and material processes. Students will learn how to incorporate positive/negative space into their work, use additive and subtractive sculpting and carving techniques, use mold-making to create student-designed projects, and utilize large-scale installation techniques. Materials used include but are not limited to wire, balsa wood, soap, plaster (block/strips), clay, and found objects.



COMPUTER ART AND DESIGN

VART0124AO

Grades: 9-12 **Prerequisite:** Art Foundations or Foundations of Digital Media and Design

Credit: .5, Semester Course

Computer Art & Design is primarily process- and project-based and is designed to develop and enhance skills in graphic design. A variety of software is used including Procreate, Adobe Illustrator, and Adobe Photoshop. Course content covers typography, bookmaking/binding, cover designs, art styles, social issue awareness, ethics of graphic design, and other projects of student choice.

COMPUTER ART AND DESIGN 2

VART0224AO

Grades: 10-12 **Prerequisite:** Computer Art & Design

Credit: .5, Semester Course

Primarily a process- and project-based course, Computer Art & Design 2 is for students who wish to further develop their computer and design skills using various software applications including Procreate, Adobe Illustrator, and Adobe Photoshop. Course content covers photographic portraiture, signage, abstract artwork, typography, calendar making/binding, cover designs, art styles, ethics of graphic design, and other projects of student choice. Students must be independent, trustworthy, and willing to take initiative.

COMPUTER ART AND DESIGN - ADVANCED STUDY

VART0324AO

Grades: 10-12 **Prerequisite:** Computer Art & Design 2

Credit: .5, Semester Course

This is an advanced graphic design course for students who are highly motivated, self-disciplined, and enthusiastic about completing numerous independent projects using a variety of Adobe Creative Cloud software and art styles. Students learn how to identify problems, create solutions, and manage time and technology while working in a community setting. Students build upon their expertise in using various software applications, apply previously developed art skills to produce sophisticated graphic designs, and assist with CAD 1 and 2 students in various capacities.

DRAWING

VART0130AO

Grades: 9-12 **Prerequisite:** Art Foundations

Credit: .5, Semester Course

Students of all ability levels who want to further develop their drawing skills with various techniques and media are welcome in this course. Students will create artwork based on drawing from life, observation, photographs, and imagination. A variety of art materials are used, including graphite, colored pencil, charcoal, conté crayon, oil pastel, chalk pastel, ink, and mixed media. The course is project-based and highly recommended for students who are enrolled in or plan to enroll in painting.



DRAWING 2 **VART0230AO -**

Grades: 10-12 **Prerequisite:** Drawing 1

Credit: .5, Semester Course

Offered for students who wish to enhance their drawing techniques and expand their drawing experiences in a variety of media, including graphite, colored pencil, charcoal, conté crayon, oil pastel, chalk pastel, watercolor pencil, calligraphic ink, and mixed media. Subject matter may include: still life, perspective, the human face and body, nature, art styles, and independent projects of choice.

PAINTING **VART0136AO**

Grades: 9-12 **Prerequisite:** Art Foundations

Credit: .5, Semester Course

Students will create artwork based on painting from life, observation, and imagination. A variety of art materials are used, including acrylic paint, watercolor paint, watercolor pencil, and mixed media. Students of all ability levels are welcome. Because this is a project- and process-based course, students must successfully manage time and materials in a community setting.

PAINTING 2 **VART0236AO**

Grades: 10-12 **Prerequisite:** Painting 1

Credit: .5, Semester Course

Offered for students who wish to enhance their painting techniques and expand their painting experiences in a variety of media including acrylic paint, watercolor paint, watercolor pencil, and mixed media. Subject matter may include: still life, perspective, the human face, nature, art styles, and independent projects of choice. While this class is recommended for students interested in careers in the arts, teaching, professional design, and audio/video technology and communications, involvement in the arts equips students for success in a broader range of settings as well.

ADVANCED ART STUDIES **VART0318AO**

Grades: 10-12 **Prerequisite:** Drawing 2 or Painting 2

Credit: .5, Semester Course

Advanced Art Studies presents the serious art student the opportunity to work independently and enhance knowledge and skills developed in previous art coursework. Students should be highly motivated, self-disciplined, and enthusiastic about completing numerous independent projects using a variety of art media and styles. Students learn how to identify problems, create solutions, and manage time and materials. Students will also be involved in a variety of individual and group critiques, as well as participate in and assist with the first semester showcase and/or senior show in the VAHS Gallery. This class may be repeated for credit.

VIDEO PRODUCTION AND FILM STUDIES

VART0254A0

Grades: 9-12 **Prerequisite:** Foundations of Digital Media and Design

Credit: .5, Semester Course

This project-based course is open to all students interested in the various aspects of video production and filmmaking, including scripting, acting, directing, filming, and editing. Students work collaboratively to produce projects that may include elements of documentary film-making, public service announcements, live events, and short feature films. Activities are project-based and accompanied with study on the evolution of cinema, various film genres, famous directors, film production roles, film criticism, and award-winning screenplays. Students learn to use studio-quality video editing software, digital camcorders, and sound/lighting equipment. The class encourages student initiative and creativity and requires trustworthiness and problem-solving skills. This course is recommended for students interested in careers in the Arts, Audio/Video Technology and Communications Career Cluster and serves as a prerequisite to VCAT News and/or Advanced Video Production.

ADVANCED VIDEO PRODUCTION

VART0354A0

Grades: 10-12 **Prerequisite:** Video Production & Film Studies

Credit: .5, Semester Course

This class is entirely project based and designed for responsible, mature, and independent students with the passion, motivation, self-discipline, and technical skill to produce a portfolio of independent films. Together with the instructor, students design their own curriculum and contract to complete their own independent portfolio of projects. Students will enhance their expertise with professional video editing software, digital camcorders, microphones, and lighting systems. This class can be retaken for credit. This course is recommended for students interested in these career pathways: Arts, Audio/Video Technology and Communications and Information Technology.



Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a **YOUTH APPRENTICESHIP** in one of the following program areas:

- **Arts, A/V technology & Communications**

These rigorous one- or two-year programs include pathways for: Graphic Design, Media Broadcast Technician, Pre-Press and Post-Press

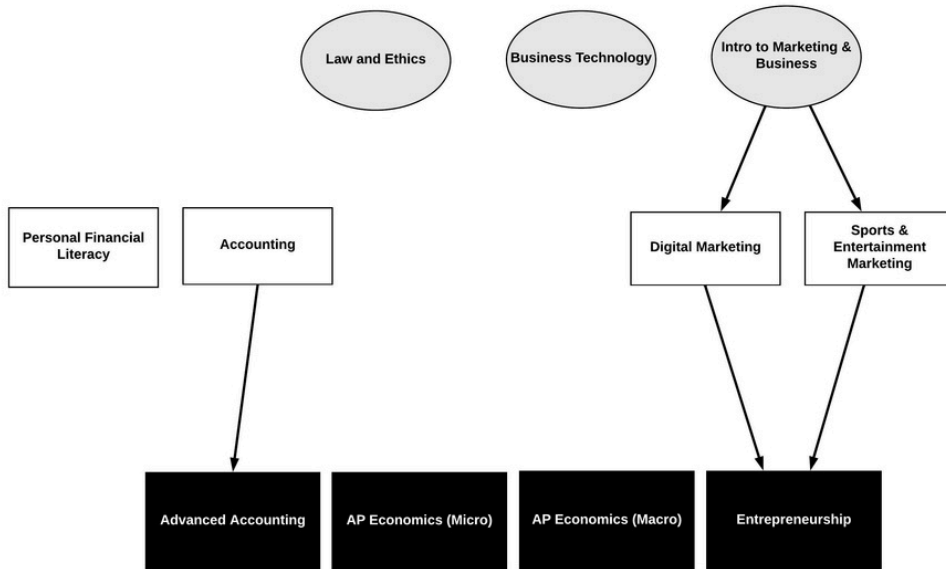
Please refer to the "Youth Apprenticeship " section in the course guide for more information on this work based learning opportunity.

The following Business, Marketing, & Information Technology Pathways are presented to help guide you as you choose courses. Use these Pathways as your educational road map to the high school courses and post-secondary options most relevant to your chosen career destination.

BUSINESS, MARKETING, & INFORMATION TECHNOLOGY



Business, Marketing, and Information Technology



○ = BMIT Courses open to ALL STUDENTS
 ■ = BMIT CAPSTONE COURSES

Note: AP Economics (Micro) and AP Economics (Macro) are offered in alternating years.

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Personal Financial Literacy</u>	VBUS0101A0	10-12	None	Semester .5
<u>Law and Ethics</u>	VBUS0112A0	9-12	None	Semester .5
<u>Business Technology</u>	VBUS0155A0	9-12	None	Semester .5
<u>Intro to Marketing & Business</u>	VBUS0107A0	9-12	None	Semester .5
<u>Digital Marketing</u>	VBUS0137A0	10-12	None	Semester .5
<u>Sports & Entertainment Marketing</u>	VBUS0162A0	10-12	None	Semester .5



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>AP Economics - Macro</u>	VBUS0400A1 - Sem1 VBUS0400B2 - Sem2	9-12	None, college level course	Year-long 1
<u>AP Economics - Micro</u>	VBUS0406A1 - Sem1 VBUS0406B2 - Sem2	9-12	None, college level course	Year-long 1
<u>Accounting</u>	VBUS0301A1	10-12	None	Semester .5
<u>Advanced Accounting</u>	VBUS0301B2	11-12	Accounting	Semester .5
<u>Entrepreneurship</u>	VBUS0306A0	11-12	None	Semester .5

PERSONAL FINANCIAL LITERACY

VBUS0101A0

Grades: 10-12 **Prerequisite:** None **Credit:** .5, Semester Course

The goal of this class is to become a financially responsible, conscientious member of society. To reach that end, this course develops understanding and skills in areas such as: Financial Mindset, Education and Employment, Saving, Investing, Consumerism, Financial Documents, Credit and Debt, Risk Management, and Money Management. This course meets the financial literacy graduation requirement as outlined by WI Act 60.

LAW AND ETHICS

VBUS0112A0

Grades: 9-12 **Prerequisite:** None **Credit:** .5, Semester Course

There are many situations where the law may have a major impact on your life as a teenager as well as the lives of adults and businesses. This course will provide an overview of our legal system, including statutes and regulations that affect businesses, families and individuals in a variety of ways. This overview will occur through topics such as: contract law, product warranties, business social responsibility, consumer protection, and employment conditions. At the end of the semester, students will conduct a mock trial.

BUSINESS TECHNOLOGY

VBUS0155AO

Grades: 9-12 **Prerequisite:** None **Credit:** .5, Semester Course

Business Technology is an inquiry course developing essential skills and understanding of how technology is used in the business world. We'll focus on essential technology skills to help you be successful during and after high school including, spreadsheets, professional presentation skills, digital communication such as video and website development, creativity and problem-solving! This course is developed with input from the business community and opportunities for collaborative projects will be incorporated. Don't miss this relevant course!



INTRO TO MARKETING & BUSINESS

VBUS0107AO

Grades: 9-12 **Prerequisite:** None **Credit:** .5, Semester Course

Marketing and business involve the many activities needed to get products from producers to consumers. It is one of the most exciting and vital career areas you could ever explore! Students will take on the role of an entrepreneur to explore all of the functions of marketing. Specifically, students will discuss: the world of marketing and business, identifying customers, product planning, pricing, distribution, and promotion. This is an introductory course that is recommended to be taken before any other marketing courses.

DIGITAL MARKETING

VBUS0137AO

Grades: 10-12 **Prerequisite:** None

Credit: .5, Semester Course

Have you ever been influenced to buy something after seeing an advertisement on social media? With the ever-changing and expanding digital world, businesses use digital marketing more than ever to connect with customers. In this course, students will explore the world of digital marketing and learn how they can leverage digital tools to promote businesses and even their own personal brand. The basis of marketing, audience identification, digital channels, content creation, and marketing campaign management will all be covered in this relevant and exciting course.

SPORTS & ENTERTAINMENT MARKETING

VBUS0162AO

Grades: 10-12 **Prerequisite:** None

Credit: .5, Semester Course

The sports and entertainment industry encompasses everything from movies, music, television, and computer games to social media, merchandising, theater, tourism, theme parks, and professional and recreational sports. Students will learn the fundamental principles and concepts identified with the sports and entertainment marketing industry through real-life scenarios and simulations. Students in this course will have the option of developing their own professional sports franchise or planning a concert tour for a major entertainment act. Within this project, students will develop logos, plan stadium or stage layouts, design and determine ticket prices, develop merchandise, and promote their team or concert.



AP ECONOMICS - MACRO

VBUS0400A1 = SEM 1

VBUS0400B2 = SEM 2 - AP

Grades: 9-12 **Prerequisite:** None, however, this is a college-level course and students should be prepared to read a college-level text, think analytically and critically, and be prepared for academic rigor

Credit: 1, Year-long Course

Fees: \$110 AP test fee

This course is offered every other year opposite AP Economics - Micro and will be offered during the 2025-26 school year. This full-year advanced placement course is designed to be an intensive year-long study of Macroeconomics. The curriculum for AP Macroeconomics will include the study of the Measurement of Economic Performance, the Effects of Public Policy, National Income and Price Determination, Inflation and Unemployment, Economic Growth and Productivity, and International Trade. We will investigate recent experiences of the United States and other countries and address how current policy initiatives affect their economic performance

AP ECONOMICS - MICRO

VBUS0406A1 = SEM 1

VBUS0406B2 = SEM 2

Grades: 9-12 **Prerequisite:** None, however, this is a college-level course and students should be prepared to read a college-level text, think analytically and critically, and be prepared for academic rigor

Credit: 1, Year-long Course

Fees: \$110 AP test fee

This course is offered every other year opposite AP Economics - Macro and will be offered during the 2026/27 school year. This full-year advanced placement course is designed to be an intensive year-long study of Microeconomics. AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.



ACCOUNTING VBUS0301A1

Grades: 10-12 **Prerequisite:** None

Credit: .5, Semester Course

Accounting is the language of business and is one of the most sought-after skills in today's job market! As a result, many college majors require accounting, including many non-business majors such as health care. Clearly, this course opens many career doors. This course provides the basis for understanding the principles of accounting, journalizing, and preparation of financial statements. Diverse careers in the accounting field will be explored.

ADVANCED ACCOUNTING VBUS0301B2

Grades: 11,12 **Prerequisite:** Accounting

Credit: .5, Semester Course

Advanced Accounting is recommended for college-bound students interested in majors in business, finance, accounting, economics, marketing and other similar careers. This course builds on the fundamental accounting skills learned in Accounting using curriculum used at the post-secondary level. Accounting is the language of business and is one of the most sought-after skills in today's job market! As a result, many college majors require accounting, including many non-business majors such as health care. Clearly, this course opens many career doors.

ENTREPRENEURSHIP VBUS0306A0

Grades: 11,12 **Prerequisite:** None

Credit: .5, Semester Course

This course provides an introduction to, and an overview of, the fundamentals of entrepreneurship. Whether you already have an idea and are eager to start your own business, or simply want to learn more about what an entrepreneurial career would be like, this course exposes you to the challenges of entrepreneurship—from conceptualizing new ventures to developing and managing them.

Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a **YOUTH APPRENTICESHIP** in one of the following program areas:

- **Finance**
- **Business, Management, & Administration**
- **Marketing**
- **Transportation, Distribution & Logistics**

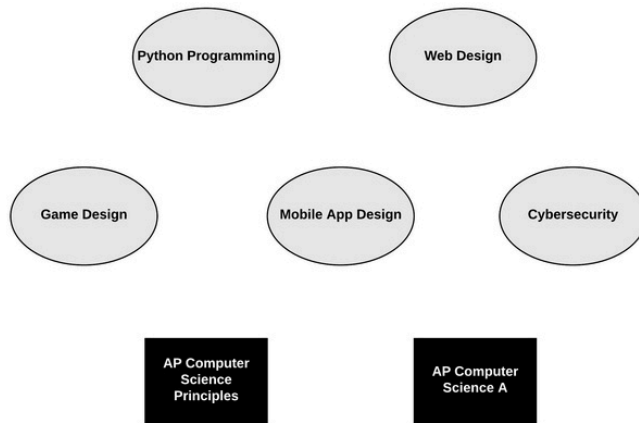
These rigorous one- or two-year programs include pathways for:
Business Financial Management, Banking & Related Services, Insurance, Administrative Professional, Human Resources Professional, Communication, Merchandising, Marketing Research, Professional Sales, Supply Chain Assistant, Distribution Transportation Operations, Planning & Purchasing, Inventory Management, Storage & Warehousing

Please refer to the "Youth Apprenticeship" section in the course guide for more information on this work based learning opportunity.





Computer Science Course Pathways



○ = Computer Science Courses open to ALL STUDENTS
 ■ = Computer Science CAPSTONE COURSES

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Game Design</u>	VCES0206A0	9, 10, 11, 12	None	Semester .5
<u>Mobile App Design</u>	VCSE0212A0	9, 10, 11, 12	None	Semester .5
<u>Cybersecurity</u>	VCSE0218A0	9, 10, 11, 12	None	Semester .5
<u>Web Design</u>	VCSE0224A0	9, 10, 11, 12	None	Semester .5
<u>Python Programming</u>	VCSE0230A0	9, 10, 11, 12	None	Semester .5
<u>AP Computer Science Principles</u>	VCES0406A1 - Sem1 VCES0406B2 - Sem2	9, 10, 11, 12	None	Year-long 1
<u>AP Computer Science A</u>	VCES0400A1 - Sem1 VCES0400B2 - Sem2	10-12	AP Computer Science Principles recommended but not required	Year-long 1



GAME DESIGN

VCSE0206A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

Discover your unique path in the dynamic world of game development. This course is all about choice and creativity. It's self-paced, letting you delve into the aspects that fascinate you most, be it programming, storytelling, graphics, or game mechanics. You'll experience a dynamic mix of collaboration and independence, working on solo projects and joining teams for a taste of real-world game development dynamics. Unlock your potential in this flexible and personalized learning experience by exploring your unique vision, whether it's crafting 3D worlds, immersive platformers, or other dynamic game experiences. Whether you're aiming for a gaming career or want to explore your creative side, this course empowers you to shine as a game developer. Course recommended for students interested in the Programming and Software Development Pathway of the Information Technology Career Cluster.

MOBILE APP DESIGN

VCSE0212A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

Whether you dream of coding the next big social media app or a solution to a real-world problem, this course offers the flexibility and personalized support you need to choose your development environment and shine as an app developer. Put your creativity and individuality at the forefront while you explore the world of mobile app development. You will be supported in learning at your own pace, enabling you to delve deeper into areas that captivate your interest. A unique blend of collaboration and independence will empower you to work both solo and in teams, mirroring real-world app development dynamics. Course recommended for students interested in the Programming and Software Development Pathway of the Information Technology Career Cluster.

CYBERSECURITY

VCSE0218A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. Course recommended for students interested in the Network Systems Pathway of the Information Technology Career Cluster.



WEB DESIGN VCSE0224A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

Explore web development through the core languages of HTML, CSS, and JavaScript. Whether a web page is accessed from a phone, tablet, or computer...HTML provides the building blocks for a webpage, CSS provides the paint and decorations that make it look nice, and JavaScript is the magic that makes things happen when you click or move around on the screen. In this student-centered course, you're in the driver's seat, selecting projects that align with your passions and interests, giving life to your creativity. With a self-paced approach, you can customize your learning journey and take ownership of your progress. You'll create interactive and visually stunning web experiences that are a reflection of your creative potential. By the end of this course, you'll not only have mastered these vital web technologies but also have a portfolio of unique web design projects that showcase your skills and personal style. Course recommended for students interested in the Web & Digital Communications Pathway of the Information Technology Career Cluster.

PYTHON PROGRAMMING VCSE0230A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

This course invites you to explore text-based coding with Python, one of the most popular programming languages in the world today. The course emphasizes developing programming skill and understanding concepts that permeate development including variables, data types, conditional statements, loops, and functions. You will also have opportunities to explore more advanced programming topics like classes, objects, and data structures. Embrace the freedom to choose your own projects and find your unique voice in the realm of Python programming. Throughout the course, you'll find balance between collaboration and independence, ensuring a dynamic learning experience that adapts to your individual needs. Unleash your potential and watch your ideas come to life in the versatile programming language of Python. Course recommended for students interested in the Programming and Software Development Pathway of the Information Technology Career Cluster.





AP COMPUTER SCIENCE PRINCIPLES

VCSE0406A1 = SEM 1

VCSE0406B2 = SEM 2

Grades: 9-12

Prerequisite: None

Credit: 1.0, Year Course **Fees:** \$110 AP test fee

AP Computer Science Principles introduces you to the foundations of computer science with a focus on how computing influences the world around you. In addition to the fundamentals of computing, you will learn to analyze data, create technology that has a practical impact, and gain a broader understanding of how computer science impacts people and society. You can pursue your interests in digital projects – like apps, films, games or music – that showcase your creativity, and use your creations to make a difference in your community. The course is organized around seven big ideas essential to studying computer science: Creativity, Abstraction, Data, Algorithms, Programming, The Internet, and Global Impact. Course recommended for students interested in the Programming and Software Development Pathway of the Information Technology Career Cluster.

AP COMPUTER SCIENCE A

VCSE0400A1 = SEM 1

VCSE0400B2 = SEM 2

Grades: 10-12

Prerequisite: AP Computer Science Principles recommended but not required

Credit: 1, Year Course **Fees:** \$110 AP test fee

This is a college-level Advanced Placement class for students who plan to major in disciplines that require significant involvement with computer technology. Students enrolled in this class may earn college credit from the required AP Computer Science Examination in May. The course curriculum is aligned with Advanced Placement standards and includes: running and debugging programs, algorithms, data structures, classes, objects, libraries, data types, control structures, recursion, strings, inheritance, and sorting. Course utilizes a college-level curriculum, and students are required to have strong computational thinking and study skills. Course recommended for students interested in the Programming and Software Development Pathway of the Information Technology Career Cluster.

Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a **YOUTH APPRENTICESHIP** in one of the following program areas:

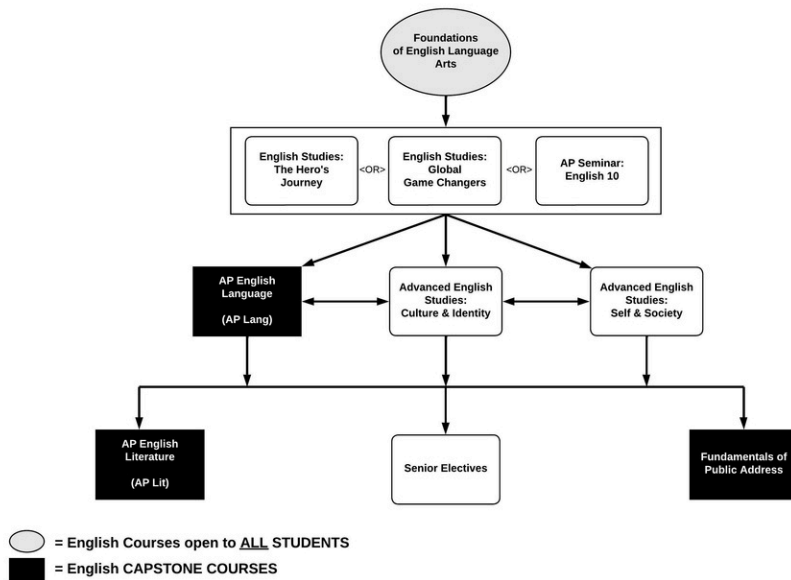
- **Information Technology**

These rigorous one- or two-year programs include pathways for:
Broadband, IT Essentials, Network & Security, Software & App Development

Please refer to the "Youth Apprenticeship" section in the course guide for more information on this work based learning opportunity.



English Department Course Pathways



You will need to earn 4 English credits towards graduation. Please note that regardless of where each student begins in 9th grade, students are able to reach capstone courses such as Fundamentals of Public Address, Intro to College Reading and Writing, AP Language, and AP Literature. No pathway is exclusively college or career bound.

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Principles of Literacy</u>	ENG0106A1 - Sem1 VENG0106B2 - Sem2	9-10	Consent of Literacy Coordinator	Semester .5
<u>Foundations of Language Arts</u>	VENG0101A1 - Sem1 VENG0101B2 - Sem2	9		Year-long 1
<u>English Studies - The Hero's Journey</u>	VENG0212A1 - Sem1 VENG0212B2 - Sem2	10		Year-long 1
<u>English Studies - Global Game Changers</u>	VENG0206A1 - Sem1 VENG0206B2 - Sem2	10		Year-long 1
<u>AP Seminar English 10</u>	VENG0231A1 VENG0231B2	10		Year-long, 1.0
<u>Advanced English Studies - Self and Society</u>	VENG0301A1 - Sem1 VENG0301B2 - Sem2	11		Year-long 1
<u>Advanced English Studies - Culture and Identity</u>	VENG0302A1 - Sem1 VENG 0302B2 - Sem2	11		Year-long 1
<u>AP English - Language and Composition</u>	VENG0406A1 - Sem1 VENG0406B2 - Sem2	11-12		Year-long 1
<u>AP English - Literature and Composition</u>	VENG0412A1 - SEM1 VENG0412B2 - SEM2	11, 12	Completion of concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Year-long 1
<u>Page to Stage - The Art of Theatrical Adaptation</u>	VENG0348A0	9-12		Semester .5
<u>Gender in Literature</u>	VENG0354A0	11-12	Completion of concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5



ENGLISH



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Art of Persuasion</u>	VENGO318A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
<u>Art of Persuasion - Blended</u>	VENGB318A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
<u>Creative Writing</u>	VENGO330A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
<u>Creative Writing - Blended</u>	VENGB330A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
<u>Fundamentals of Public Address - Dual Credit</u>	VENGO360A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
<u>Fundamentals of Public Address - Dual Credit - Blended</u>	VENGB360A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
<u>Finding Your Authentic Voice</u>	VENGO314A1 VENGO314B2	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Year-long, 1.0
<u>Real World Writing</u>	VENGO310A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
<u>AP Research - Blended</u>	VINTB400A1 VINTB400B2	12	AP Seminar	Semester .5
<u>Yearbook Production</u>	VENGO148A1 VENGO148B2	9-12		Year-long, 1.0
<u>Intro to American Schools and Culture</u>	VELL0100A1 VELL0100B2	9-12	Available to Newcomers to the United States Only	Year Course 1.0

PRINCIPLES OF LITERACY

VENGO106A1 = SEM 1

VENGO106B2 = SEM 2

Grade: 9, 10 **Prerequisites:** Consent of Literacy Coordinator

Credit: .5 Semester Course

Note: This class counts for English Elective credit.

The purpose of this course is to accelerate individual student growth in the areas of reading and writing. Students will approach and comprehend text at their instructional and grade levels, develop methods to learn and integrate vocabulary, and enhance general reading strategies. Students will build their skills through shared, guided, and independent reading.



FOUNDATIONS OF LANGUAGE ARTS

VENGO101A1 = SEM 1

VENGO101B2 = SEM 2

Grade: 9 **Credit:** 1, Year Course

Note: This satisfies the 9th grade course requirement.

Foundations of Language Arts is a survey course intended for the entire incoming 9th grade class, and focuses on developing and honing in on the foundational skills that students will need for success in the rest of high school. Students will read a variety of fiction and nonfiction from both US writers as well as authors from around the world. Written work will cover a variety of purposes ranging from narrative to expository to persuasive. Quality contemporary literature pieces are selected to give students a rich and complex look at universal themes and societal issues. Students write analytical essays, compose reviews, investigate current issues, and engage in small and large group discussions. Instruction also includes reading strategies, using academic tools. Grammar and vocabulary are infused throughout units. *Students in this class will be well-prepared for college and career bound pathways, as well as be prepared for capstone courses.*

ENGLISH STUDIES - THE HERO'S JOURNEY

VENGO212A1 = SEM 1

VENGO212B2 = SEM 2

Grade: 10 **Credit:** 1, Year Course

Note: This satisfies the 10th grade course requirement

English Studies -- The Hero's Journey looks at the mental, physical and emotional paths walked by all fictional heroes and relates them to the paths we all walk in our (non-fictional) lives. In effect, we look at personal issues presented from a variety of perspectives. Students will learn to read and take notes on fiction and nonfiction sources as sources of information. In addition, we will use these reading skills on an ACT-style reading assessment. This information will be used in a variety of activities such as small and large group discussions, writing activities, and projects. Throughout the year, students will also develop their vocabulary and grammar skills.

ENGLISH STUDIES - GLOBAL GAME CHANGERS

VENGO206A1 = SEM 1

VENGO206B2 = SEM 2

Grade: 10 **Credit:** 1, Year Course

Note: This satisfies the 10th grade course requirement

English Studies -- Global Game Changers investigates international issues presented from a variety of perspectives as we look for ways to address these challenges. Throughout the year we work on vocabulary development and grammar fluency in addition to practicing literacy skills for the reading section of the ACT. Students will complete a variety of activities to investigate societal values and fears while learning to read and take notes on fiction and nonfiction sources. Topics include monster myths and the apocalypse. Students will select and research one global issue impactful to them with the goal of being able to participate in whole class discussions about how to resolve contentious global issues. This information will be used in a variety of activities such as small and large group discussions, writing activities, and projects.

AP SEMINAR ENGLISH 10

VENG0231A1

VENG0231B2

Grades: 10 **Prerequisites:** None

Credit: 1, Year Course

Note: This satisfies the 10th grade course requirement

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics. Students practice reading and analyzing articles, research studies, and literary texts. 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. Students should expect to read full-length novels, memoirs, and a variety of non-fiction texts. 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.



ADVANCED ENGLISH STUDIES - SELF AND SOCIETY

VENG0301A1 = SEM 1

VENG0301B2 = SEM 2

Grade: 11 **Credit:** 1, Year Course

Students will move from a personalized to a global view of their world. Students will begin by examining who they are as individuals, and throughout the year, broaden their scope to see how they fit into a global society. During our first semester, students will read and write personal narratives to help them explore their identity. In the Building Perspectives unit, students will read *The Curious Incident of the Dog in the Night-time* to investigate how the same situation can be seen differently by various people. The Exploring and Exploding the American Dream unit will use group choice novels to explore themes of personal identity, society, and the nuanced interplay between the two, comparing students' personal experiences to others. In second semester, students will analyze individual choice novels to gain a greater understanding of their own values. Next, students will explore how our actions can impact others on a global scale through a novel study of *Night*. Finally, students will conduct sustained research on pressing societal issues, presenting their findings through multiple means of expression in the Call to Action unit. Regular grammar, vocabulary, and ACT instruction will be central to this course. After this course students will be prepared to take either English electives or Advanced Placement Language and Composition for their senior year. This course fulfills the junior English requirement.

ADVANCED ENGLISH STUDIES - CULTURE AND IDENTITY

VENG0302A1 = SEM 1

VENG0302B2 = SEM 2

Grade: 11 **Credit:** 1, Year Course

How do you identify yourself culturally? Why is this important (or not)? How is it possible that an identity can be individual and also collective? This course asks students to think about cultural identity alongside writers and other scholars whose work we will read, discuss, and write about. In addition, students will understand their own social identities (defined by gender, race, ethnicity, social class, age, ability, religion, sexual orientation, and other identity markers) as well as dive deeper into the concept of intersectionality and how people's overlapping identities and experiences create privileges for some and discriminations for others. Students will read a wide variety of fiction and nonfiction texts focusing on African-American, Latinx, Indigenous, and Asian American literature. Students will also continue to develop and refine their writing, speaking, and listening skills through questioning, reflective writing, discussions, and projects. Regular grammar, vocabulary, and ACT instruction will be core to this course. After this course students will be prepared to take either English electives or Advanced Placement Language and Composition for their senior year. This course fulfills the junior English requirement.



AP ENGLISH - LANGUAGE AND COMPOSITION

VENGO406A1 = SEM 1

VENGO406B2 = SEM 2

Grades: 11-12

Credit: 1, Year Course **Fees:** \$110 AP test fee

Note: Students are more successful in AP Lang when they have taken English Studies and/or Adv. English Studies first.

Designed as the first of two AP English courses, this college-level class asks students to analyze text for how the author used language to achieve purpose or effect. Students must demonstrate their abilities to read non-fiction texts analytically through annotations of texts and written responses to prompts, as well as through small and large-group discussions. Since this is a college-level class, students should possess a strong work ethic, realizing that course expectations will match the reading, writing, and task requirements of a freshman college course. After this course, students will be prepared to take AP English Literature and Composition or English Electives.

AP ENGLISH - LITERATURE AND COMPOSITION

VENGO412A1 = SEM 1

VENGO412B2 = SEM 2

Grades: 11, 12 **Prerequisites:** Completion or concurrent enrollment in either Advanced English Studies or AP English - Language and Composition

Credit: .5, Semester Course **Fees:** \$110 AP test fee

Note: Students are more successful in AP Lit when they have taken AP Lang first.

Designed to come after AP English Language, this college-prep class delves into literature, analyzing novels, plays, and various poems in order to gain a better understanding of the wider human experience as expressed by literature. The literature reflects diverse voices from all walks of life, including authors like Isabel Allende, Haruki Murakami, Colson Whitehead, Ta-Nehisi Coates, and Toni Morrison. Students will apply active reading, large and small group discussion, and literary analysis skills learned in other classes, but to a higher degree as this course may earn college credit if students pass the AP exam. Students will learn how to apply composition skills in order to express their literary analysis theories and claims. This class is ideal for the student going into liberal arts or simply an avid reader of literary fiction.

PAGE TO STAGE - THE ART OF THEATRICAL ADAPTATION

VENGO348A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

Page to Stage is designed for students interested in studying various literary and dramatic works as well as students interested in developing their theater and drama skills. In this course, we will explore the world of theater through text analysis, class discussions, acting exercises, performance art projects inspired by poetry and literature, and staged productions of scripted works. Students will have the opportunity to guide their own learning by taking on roles such as actors, designers, directors or stage managers in projects while still developing their skills in several aspects of theatrical study and production. Students who enroll in this course are not required to have theater experience, but they should come to class with a willingness to learn, collaborate and work outside of their comfort zone.

GENDER IN LITERATURE

VENGO354A0

Grade: 11, 12 **Prerequisites:** Completion or concurrent enrollment in either Advanced English Studies or AP English - Language and Composition

Credit: .5, **Semester Course**

In this course, students will examine the roles that gender, gender identity, and romantic orientation play in how writers and their work are understood and received. Students in this course will analyze the arguments and writing styles of women and LGBTQ writers as well as the crafting of male characters in a variety of literary works, beginning with an overview of older works such as fairy tales, followed by a closer examination of how these issues are written and received in the 20th and 21st centuries. Students will seek to understand the ideas and values that define these societal roles while also learning to distinguish between the characteristics of said roles. Students will participate in group presentations, practice analytical writing, and read novels as well as various stories and essays. Students who enroll in this class should be able to read both fiction and nonfiction proficiently, willing to actively participate in discussions, and interested in learning more about the issue of gender and its portrayal in contemporary literature.



ART OF PERSUASION

VENGO318A0

Grades: 11,12 **Prerequisites:** Completion or concurrent enrollment in either Advanced English Studies or AP English - Language and Composition

Credit: .5 Semester Course

This college-prep course will look at arguments in persuasive essays, speeches, political commercials, and photographs, examining what makes an argument persuasive and analyzing what techniques the argument employs. There is a wide range of assignments such as writing an editorial on a topic of passion, crafting a persuasive essay and then turning it into a Blog with enhancing pictures and videos and participating in the final team debate. This class seeks to make better consumers and propagators of information.

ART OF PERSUASION - BLENDED

VENGB318A0

Grades: 11,12 **Prerequisites:** Completion or concurrent enrollment in either Advanced English Studies or AP English - Language and Composition

Credit: .5 Semester Course

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.

CREATIVE WRITING VENGO330AO



Grades: 11,12 **Prerequisites:** Completion or concurrent enrollment in either Advanced English Studies or AP English - Language and Composition

Credit: .5, Semester Course

This semester long course invites us to read, write, share, reflect, and have fun. There is a balance between structure and flexibility so we can learn new techniques and styles while also allowing for creative liberties, so our writing may grow through exposure, experimentation, reflection, and revision. The primary focus of this course will be to foster creative thinking and writing. This will include not only a variety of writing and brainstorming tasks, but also an examination of a variety of literature including poems, short stories, and the work of student peers. Emphasis will be made on peer critiquing, revision techniques, participating in the writing process, the sharing of work and thought, and metacognitive thinking.

CREATIVE WRITING - BLENDED VENGB330AO

Grades: 11,12 **Prerequisites:** Completion or concurrent enrollment in either Advanced English Studies or AP English - Language and Composition

Credit: .5, Semester Course

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.

FUNDAMENTALS OF PUBLIC ADDRESS - DUAL CREDIT VENGO360AO

Grades: 11, 12 **Prerequisites:** Completion or concurrent enrollment in either Advanced English Studies or AP English - Language and Composition

Credit: .5, Semester Course

Fees: \$330 Tuition for college credit

This dual-enrollment course through UW-Green Bay is a study of the principles of oral message preparation and presentation. Students will prepare and present actual public communications which will be applicable to almost any career or college pathway. Students will be required to research and present several prepared, in-class speeches. At the end of this class, students should be more comfortable presenting public speeches in their personal and professional lives, as well as be able to present a well-reasoned, well-presented speech that is appropriate for the situation in which it is presented. This course is equivalent to UW-Green Bay's Communication 133 course. Upon successful completion of the course, students will be eligible to earn three (3) transferable college credits. Enrollment for optional college credit takes place at the beginning of the semester in question.

FUNDAMENTALS OF PUBLIC ADDRESS - DUAL CREDIT - BLENDED

VENGB360A0

Grades: 11,12 **Prerequisites:** Completion or concurrent enrollment in either Advanced English Studies or AP English - Language and Composition

Credit: .5, Semester Course

Fees: \$330 Tuition for college credit

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

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FINDING YOUR AUTHENTIC VOICE

VENG0314A1

VENG0314B2

Grades: 11, 12 **Prerequisites:** Completion or concurrent enrollment in either Advanced English Studies or AP English - Language and Composition

Credit: 1, Year Course

"Finding Your Authentic Voice" is a class centered on joy, humanity, and creativity. This year-long class focuses on six units: using your voice, memoirs, growing your knowledge of social issues, spoken word poetry, and reading social justice texts. Together, we will participate in a reading-writing workshop-based class that examines social justice issues impacting our lives in the present day. Student work will involve close reading, and personal creative expression through narrative, poetry, research, and essays. They will read and write daily, developing a community of learners who support one another in their independent journeys while they discover their collective humanity. This course offers students an opportunity to nurture their authentic voice and connect their unique story to a diverse world. This course will explore literature that focuses on historically underrepresented groups/communities* using their voices and rising up for justice.

**This term refers to groups who have been denied access and/or suffered past institutional discrimination in the United States.*

REAL WORLD WRITING

VENG0310A0

Grades: 11,12 **Prerequisites:** Completion or concurrent enrollment in either Advanced English Studies or AP English - Language and Composition

Credit: .5, Semester Course

Real World Writing is an advanced writing class focusing on preparing students for post-secondary writing. This includes college/scholarship essays, a narrative essay, a comprehensive

research paper, self-reflections as well as many smaller pieces. Students are given the opportunity to write in their own space; consequently, those who choose this class should be highly organized, disciplined and self-motivated. There is a substantial amount of writing in this class, and a student who chooses this class is expected to be able to do quality work while meeting deadlines. The class concentrates on intervention strategies to get the paper started, drafting strategies that clarify audience and purpose, and revision strategies to edit and polish work.





AP RESEARCH - BLENDED

VINTB400A1

VINTB400B2

Grades: 12 **Prerequisite:** AP Seminar

Credit: 1.0, Year Course; Content-area credit dependent on research topic

Fees: \$110 AP test fee

NOTE: We highly recommend students attend AP Research Boot Camp.

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

AP Research is the second course in the AP Capstone program, which builds upon the QUEST inquiry framework from AP Seminar. Students will explore an academic topic, problem, issue, or idea based on their own individual interest and then design, plan, and implement a year-long investigation to address their research question. Using ethical research practices, students will further their skills in research methodology and accessing, analyzing, and synthesizing information. Students will reflect on their research processes and create a process and reflection portfolio of their scholarly work. The course culminates in an academic paper and a presentation with an oral defense. AP Research is the second class in the AP Capstone Diploma Program. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate.

YEARBOOK PRODUCTION

VBUS0148A1 = SEM 1

VBUS0148B2 = SEM 2

Grades: 9-12 **Prerequisite:** None

Credit: 1, Year Course

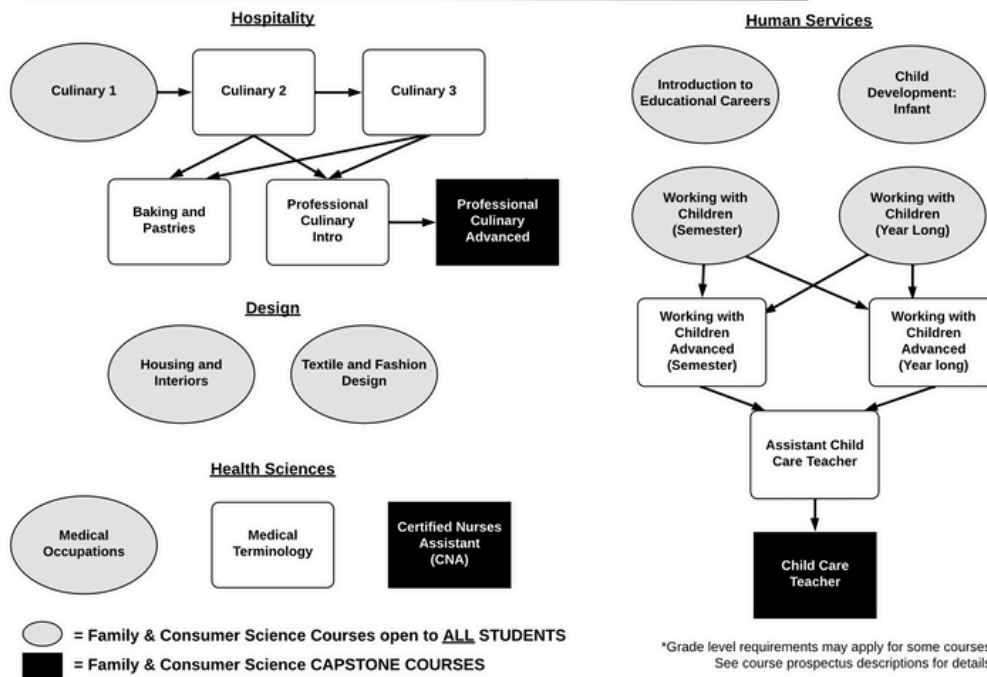
MAKE HISTORY through the design, production, and marketing of the school yearbook. This is a project based course for students interested in graphic design, photography, journalism, marketing and publishing. Course content includes selling and designing ads, creating layouts, interviewing students and staff, filming and photography, and writing articles for publication. Students must be reliable, organized, and independent. Outside-of-class homework and collaboration will be required. Students will use Josten's Yearbook Avenue software as well as Mac computers, scanners, and digital cameras. Smart phones will not be used as photography devices and are not required to participate.

Note: This course is for elective credit NOT English credit.





Family & Consumer Sciences Pathways



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Culinary 1 - Beginning Foods</u>	VFCS0100A0	9-12	None	Semester .5
<u>Culinary 1 - Beginning Foods - Blended</u>	VFCSB100A0	11-12	None	Semester .5
<u>Culinary 2 - Advanced Foods</u>	VFCS0200A0	9-12	Culinary 1	Semester .5
<u>Culinary 2 - Advanced Foods - Blended</u>	VFCSB200A0	11-12	Culinary 1	Semester .5
<u>Professional Culinary Introduction</u>	VFCS0401A0	10-12	Culinary 1 & 2	Semester .5
<u>Professional Culinary Advanced</u>	VFCS0501A0	10-12	Professional Culinary Intro	Semester .5
<u>Culinary 3 - Foods Around the World</u>	VFCS300A0	10-12	Culinary 1 & 2	Semester .5
<u>Culinary 3 - Foods Around the World - Blended</u>	VFCSB300A0	11-12	Culinary 1 & 2	Semester .5
<u>Baking & Pastry Arts</u>	VFCS0306A0	11-12	Culinary 1 & 2	Semester .5



Culinary 1 - Beginning Foods and Culinary 2 - Advanced Foods make up the first semester of a two-year certification program through the National Restaurant Association. The industry certification of achievement will be awarded to students who complete **Culinary 1, Culinary 2, Professional Culinary Introduction and Professional Culinary Advanced** and pass both Year 1 and Year 2 Exams. Students must also document 400 hours of work experience in the food service industry. These courses provide relevant content for students interested in careers in the Hospitality & Tourism Career Cluster.

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Medical Occupations</u>	VFCS0206A1	10-12	None	Semester .5
<u>Medical Terminology</u>	VFCS0306B2	10-12	Medical Occupations recommended but not required	Semester .5
<u>Nursing Assistant Fall-MATC</u> or <u>Nursing Assistant Spring-MATC</u>	VYOP0115A1 or VYOP0115A2	11-12	See Course Descriptions	Semester .5
<u>Housing & Interiors</u>	VFCS0218B0	11-12	None	Semester .5
<u>Textile & Fashion Design</u>	VFSC0219A0	9-12	None	Semester .5
<u>Child Development - Infant</u>	VFCS0213A0	9-12	None	Semester .5
<u>Working with Children</u>	VFCS0312A0	9-12	None	Semester .5
<u>Working with Children - Full Year</u>	VFCS0312A1 VFCS0312B2	9-12	None	Year-long, 1
<u>Working with Children - Advanced</u>	VFCS0411A0	10-12	Working with Children	Semester .5
<u>Working with Children - Advanced - Full Year</u>	VFCS0411A1 VFCS0411B2	10-12	Working with Children	Year-long, 1
<u>Assistant Childcare Teacher (ACCT)</u>	VFCS0412A0	11-12	Any child development class or instructor approval	Semester .5
<u>Childcare Teacher (CCT)</u>	VFCS0512A1 - Sem1 VFCS0512B2 - Sem2	12	Asst. Childcare Teacher Certification	Year-long, 3
<u>Introduction to Education Careers</u>	VFCS0313A0	11-12	None	Semester .5

CULINARY 1 - BEGINNING FOODS VFCS0100AO

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

Designed for students interested in studying basic kitchen skills and nutrition, this entry-level course provides students with the opportunity to study cooking and baking terminology, government nutrition guidelines, the use and care of kitchen utensils, menu planning and preparation, and microwave cooking. Coursework requires participation in labs and the completion of projects and tests. Students are expected to try new recipes at home. Students will be using the National Restaurant Association ProStart curriculum covering topics like career opportunities, professional expectations, food safety, hygiene, cleanliness, safe workflow, workplace safety, and food service equipment. Weekly food labs will be an integral part of the course and will also include catering for school/community events. Mentored work experience outside of school and participation in state and possibly national competitions are possible opportunities for students.



CULINARY 1 - BEGINNING FOODS - BLENDED VFCSB100AO

Grades: 11, 12 **Prerequisite:** None

Credit: .5, Semester Course

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.

CULINARY 2 - ADVANCED FOODS VFCS0200AO

Grades: 9-12 **Prerequisite:** Culinary 1

Credit: .5, Semester Course

Culinary 2 students will explore cake decorating, pies and pastries, chocolate, chili and soups. Students will participate in the planning, purchasing and preparation of American regional cooking. Students will utilize their Culinary 1 skills and further advance their culinary experiences in the lab. In addition, students will participate in class discussions and other activities designed for a more serious culinarian. Students will be using the National Restaurant Association ProStart curriculum covering topics like knives, smallwares, kitchen basics, culinary math, salads, dressings, dips sandwiches, pizza, stocks, soups, sauces, cooking methods front-of-the-house and service. Weekly food labs will be an integral part of the course and will also include catering school/community events. Mentored work experience outside of school and participation in state and possible national competitions are possible opportunities for students.

CULINARY 2 - ADVANCED FOODS - BLENDED VFCSB200A0

Grades: 11, 12 **Prerequisite:** Culinary 1

Credit: .5, Semester Course

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

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PROFESSIONAL CULINARY INTRODUCTION

VFCS0401A0= SEM 1

Grades: 10-12 **Prerequisites:** Culinary 1 & 2

Credit: .5 semester

Following Culinary 1 and 2, the National Restaurant Association Educational Foundation (NRAEF) ProStart Professional Culinary program continues focusing on skills needed for a career in the restaurant and foodservice industry. Students will cover topics such as menu planning and marketing (including a focus on nutrition), garnishing, desserts/baked goods, purchasing and inventory control, food/labor costing, sustainability, menu management. Weekly food labs will be an integral part of the course and will also include catering school/community events. Mentored work experience outside of school and participation in state and possible national competitions are possible opportunities for students.

** If students complete Culinary 1, 2 AND BOTH SEMESTERS OF THIS COURSE and both national exams with "C" or better, documented work hours 70% of the industry competencies will be awarded the ProStart certificate of achievement and, students may earn up to 12 credits at the University of Wisconsin-Stout or 13 credits at Madison College of credit forgiveness as well as earn opportunities to opt out of certain courses at various culinary schools across the country.*

PROFESSIONAL CULINARY ADVANCED

VFCS0501A0 = SEM 2

Grades: 10-12 **Prerequisites:** Professional Culinary-Intro

Credit: .5 semester

The ProStart Professional Culinary Advanced course continues focusing on skills needed for a career in the restaurant and foodservice industry. Students will cover topics such as menu planning and marketing (including a focus on nutrition), garnishing, desserts/baked goods, purchasing and inventory control, food/labor costing, sustainability, menu management. Weekly food labs will be an integral part of the course and will also include catering school/community events. Mentored work experience outside of school and participation in state and possible national competitions are possible opportunities for students.

*** If students complete Professional Culinary-Intro and Advanced plus both national exams with "C" or better, documented work hours 70% of the industry competencies will be awarded the ProStart certificate of achievement and, students may earn up to 12 credits at the University of Wisconsin-Stout or 13 credits at Madison College of credit forgiveness as well as earn opportunities to opt out of certain courses at various culinary schools across the country.*



CULINARY 3 - FOODS AROUND THE WORLD VFCS0300A0

Grades: 10-12

Prerequisites: Culinary 1 & Culinary 2

Credit: .5, Semester Course

Culinary 3 is for the student who has taken all the culinary classes and wants something more! This class broadens the aspiring cook's repertoire to cuisines from many different cultures. Students will utilize their skills in the classroom, and culinary lab to continue to grow as a culinarian. Through research, food labs, and various projects, students study the cuisine of many countries as well as different methods of cooking and preparation. Additional course content includes the study of the cultures, holidays, histories, and geographies of other countries. This course provides relevant content for students interested in careers in the Hospitality & Tourism Career Cluster.



CULINARY 3 - FOODS AROUND THE WORLD - BLENDED VFCSB300A0

Grades: 11,12 **Prerequisites:** Culinary 1 & Culinary 2

Credit: .5, Semester Course

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

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BAKING AND PASTRY ARTS VFCS0306A0

Grades: 11,12 **Prerequisite:** Culinary 1 & Culinary 2

Credit: .5, Semester Course

Baking and Pastry Arts prepares you for successful careers as baking and pastry professionals through building a strong foundation of principles and skills, and then using specific applications and recipes. Once these techniques are understood and practiced, you will be able to prepare a wide array of baked goods, pastries, and confections. Students will also explore gluten-free baking recipe planning and preparation, as well as altering and preparing recipes to address other allergies and/or dietary restrictions. Some examples of lab experiences include; quick breads, yeast breads, cookies, pies and tarts, cakes and icing, custards, creams and sauces, and plated desserts.



MEDICAL OCCUPATIONS

VFCS0206A1

Grades: 10-12 **Prerequisite:** None

Credit: .5, Semester Course

This comprehensive course is designed for focused, open-minded students looking to explore the healthcare delivery system and the fundamentals of quality patient care. Related sciences, such as biology, anatomy and physiology, and fundamentals of business and economics will be used as students explore a variety of topics including: professionalism, evaluating healthcare facilities, careers across the healthcare spectrum (diagnostics, informatics, therapeutics, social services and research), assessing patient care needs, measuring vital signs, basic medical terminology and abbreviations, human body systems, caring for needs and populations (children, the aging, diagnosed illnesses and disorders, etc.), legal and ethical considerations, current issues, emergency care, and more. Students will utilize technology, media, text, and professional community resources/field trips as they work (individually and collaboratively) to practice skills, research topics, complete projects, culminating with developing a comprehensive healthcare plan of their own.



MEDICAL TERMINOLOGY

VFCS0306B2

Grades: 10-12

Prerequisite: None (Medical Occupations recommended but not required)

Credit: .5, Semester Course

Learning and building a medical vocabulary is an asset for students who may be interested in health care careers as well as for students who are interested in matters of good health. Students will learn to analyze medical terms using word components and then classify those terms by body systems. Through independent research projects, case studies, and the examination of text and videos, students will develop skills to better understand physiology, anatomy, and human biology topics in the field of health science. This course provides relevant content for students interested in careers in the Health Science Career Cluster.

NURSING ASSISTANT FALL-MATC or NURSING ASSISTANT SPRING-MATC

VYOP0115A1 or VYOP0115A2

Grade Level: 11, 12 **Prerequisites:** Must be age 16 and a junior or senior by course start date. All students must successfully complete 10th grade level English class or higher to be admitted into the class. 100% attendance is mandatory for all labs and clinical hours.

It is highly recommended students take Medical Terminology or PLTW Biomedical Science pathway class(es) before enrolling in the Nursing Assistant course. ****Interested students MUST see the School to Career Coordinator for information about the required steps to enroll in the course.****

Credit: .75 (3.0 Madison College)

Fees: All tuition and textbook fees are paid by VAHS pending successful completion of coursework. (Students will be required to pay tuition costs for failed or dropped courses.)

This Madison College course will be taught at Verona Area High School utilizing the high school labs and equipment. The Nursing Assistant (NA) class is recognized by the Wisconsin Department of Health Services as a nurse aide training program. The Nursing Assistant course prepares students for employment as nursing assistants with area care centers, hospitals, and home health care organizations. The course is also a required first step in many nursing and health programs. After completing the online theory (75% or higher), in-person lab and clinical requirements, students will qualify to take the state certification exam. **The cost of this exam is approximately \$120, and is the responsibility of the student.** Upon passing the state exam, students are placed on the WI Nursing Assistant state registry.

Note: Lab and clinical time will be scheduled outside of the normal school day. All Madison College policies, including the grading policy, will be followed.

Students are responsible to provide their own transportation to and from the clinical site.



HOUSING AND INTERIORS

VFCS0218B0

Grades: 11,12 **Prerequisite:** None

Credit: .5, Semester Course

Designed for hands-on learners who are both proactive and flexible in their working style, this class teaches students how the elements and principles of design are used in the housing industry. Students draw floor plans using basic drafting equipment and apply newly gained knowledge of furniture and housing styles to their designs. Projects include designing a dream bedroom, drafting an apartment for a client, and designing a house. Projects will likely require work outside of class, and students may be asked to paint, redecorate, or rehabilitate some classroom, office, or furniture of VAHS. This course provides relevant content for students interested in these career clusters: Hospitality & Tourism and Arts, A/V Technology, & Communications.

TEXTILE & FASHION DESIGN

VFCS0219A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

Textile and Fashion Design is your chance to explore the fashion world! You'll learn how colors, patterns, and fabrics come together to create clothing and accessories while diving into topics like design basics, fabric types, color schemes, and reading and following patterns. Get hands-on with fun projects using hand-stitching and sewing machines, and discover how the fashion industry works, from production to the supply chain to sustainability. Whether you're into design, business, or just love fashion, this course is packed with creativity and real-world skills that can lead to careers in fashion, art, or even entrepreneurship! This course aligns with careers in design, entrepreneurship, art, logistics, manufacturing, and more.





CHILD DEVELOPMENT - INFANT

VFCS0213A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

This course is designed for any student interested in learning more about prenatal development and the developmental milestones of children, pre-conception through age one. Students will participate in class discussions, hear from guest speakers, wear a nine-month pregnancy profile suit, learn about labor and delivery, practice child care with the “Real Care” baby simulator, take the computerized baby home for the weekend, and have many hands-on experiences pertaining to caring for infants. This course provides relevant content for students interested in the “Education and Training” career cluster.

WORKING WITH CHILDREN

VFCS0311A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

SINGLE semester option! If you love kids or are thinking about a career in childcare, or a job working with children, then this course may be just what you are looking for! You will have the chance to work directly with infants and toddlers one to two days a week for the semester. VAHS will be offering a “Play Group,” for community members to bring their 0-5 year-olds into the classroom. The room will be transformed into a preschool/daycare setting to provide an authentic experience for the children and high school students alike. You will engage with the small children in free play, individual activity time, and circle time. This course will allow students to plan and implement their own activities while providing you with basic infant and toddler: physical, mental, emotional, and behavioral care skills. Working with Children is recommended for any student who loves kids and wants to learn more about how to actively and appropriately engage with them.

WORKING WITH CHILDREN - FULL YEAR

VFCS0311A1 = SEM 1

VFCS0311B2 = SEM 2

Grades: 9-12 **Prerequisite:** None

Credit: 1, Year-long course

New, FULL YEAR option!!! If you REALLY love kids or are thinking about a career in childcare, or a job working with children, then this course may be just what you are looking for! You will have the chance to work directly with infants and toddlers one to two days a week for the entire school year. VAHS will be offering a “Play Group,” for community members to bring their 0-5 year-olds into the classroom. The room will be transformed into a preschool/daycare setting to provide an authentic experience for the children and high school students alike. You will engage with the small children in free play, individual activity time, and circle time. This course will allow students to plan and implement their own activities while providing you with basic infant and toddler: physical, mental, emotional and behavioral care skills. Working with Children is recommended for any student who loves kids and wants to learn more about how to actively and appropriately engage with them!



WORKING WITH CHILDREN - ADVANCED

VFCS0411A0

Grades: 10-12 **Prerequisite:** Working with Children

Credit: .5, Semester Course

SINGLE semester option! Working With Children - Advanced expands upon the foundational knowledge and skills developed in the introductory "Working With Children" course. This advanced course focuses on enhancing students' ability to work effectively with young children by exploring key areas such as nutrition, morning meetings, and large motor skill development. Students will have the opportunity to design and lead activities that promote healthy eating habits, social interaction, and physical development. Hands-on experience with infants and toddlers will further deepen their understanding of early childhood education, preparing them for careers in child care or related fields.

WORKING WITH CHILDREN - ADVANCED - FULL YEAR

VFCS0411A1 = SEM 1

VFCS0411B2 = SEM 2

Grades: 10-12 **Prerequisite:** Working with Children

Credit: 1, Year-long course

***FULL YEAR option!!!** Working With Children - Advanced expands upon the foundational knowledge and skills developed in the introductory "Working With Children" course. This advanced course focuses on enhancing students' ability to work effectively with young children by exploring key areas such as nutrition, morning meetings, and large motor skill development. Students will have the opportunity to design and lead activities that promote healthy eating habits, social interaction, and physical development. Hands-on experience with infants and toddlers will further deepen their understanding of early childhood education, preparing them for careers in child care or related fields.

ASSISTANT CHILDCARE TEACHER (ACCT)

VFCS0412A0

Grades: 11,12 **Prerequisite:** Any Child Development Class or Instructor Approval

Credit: .5, Semester Course

Do you love caring for infants and toddlers? Do you want to work in a child care center or run your own in-home child care business someday? This course explores child care and teaching careers in the child care setting. The Assistant Child Care teacher course is geared toward students who are serious about working with kids as a career. You will have the chance to earn an Assistant Child Care Teacher certificate, enabling you to work at a child care center at the age of 17, as an assistant teacher. The main topics include baby and toddler guidance/discipline, lesson planning and health/safety in a child care setting. During the semester students will have the opportunity to participate in off-site observations and hands-on teaching with community child care partners. This course is recommended for students interested in the Education and Training career cluster.



CHILD CARE TEACHER (CCT)

VFCS0512A1

VFCS0512B2

Grades: 12 **Prerequisite:** Assistant Childcare Teacher Certification

Credit: 3.0, Year Long

Do you love working with children and have a desire to be a lead teacher at a childcare center? Do you like the idea of getting high school credit from a work experience in which you are getting paid for? Well, do I have a class for you! In the “Child Care Teacher,” course, students have the opportunity to “earn while they learn” by working as an Assistant Child Care Teacher in a local childcare center. Students will continue learning and applying their skills and move to the next level, earning a Child Care Teacher certificate when they graduate. Students enrolled in the Child Care Teacher certification program will work a minimum of 15 hours per week in a licensed childcare setting and participate in a complimentary high school course which will tie the work experience and the skill certificate lessons into practical learning experiences. Upon successful completion, students will receive 3 high school credits, Child Care Teacher certification, Infant and Toddler Certification, and an Employability Certificate. Talk about getting the most out of your education! Please note that you will need the ACCT course certification and be a high school senior to enroll.



INTRODUCTION TO EDUCATION CAREERS

VFCS0313A0

Grades: 11, 12 **Prerequisite:** None

Credit: .5, Semester Course

Are you considering a career in education? Do you have interest in working with children as a teacher in a daycare, elementary, middle or high school setting? Would you like hands-on experiences with children IN a classroom? If you answered yes to any of these questions, then this is the course for you! Through class discussions, guest speakers, research and real life practice, students will gain a better understanding of the world of education. Each student will gain hands-on experience through a practicum placement in an area of his/her choosing (daycare center, elementary classroom, high school classroom with students with IEPs or with a school support team member). Students can expect to be a "student teacher," at their placement 90% of the time and in our high school class learning and reflecting 10% of the time. A perfect way to see if a career in education is the right path for you! This course is recommended for students interested in the Educational and Training career cluster.

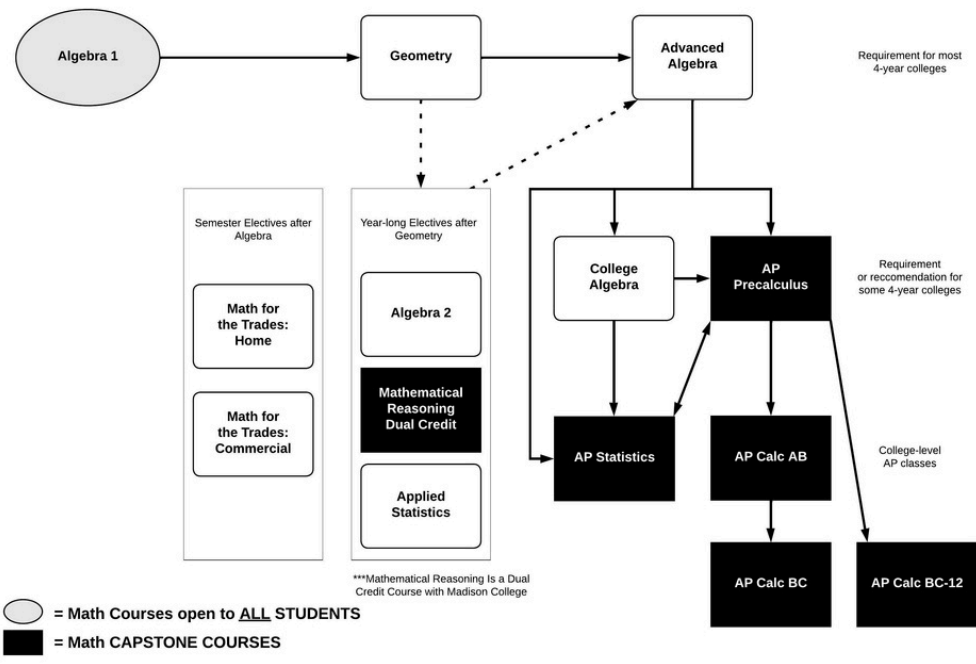
Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a **YOUTH APPRENTICESHIP** in one of the following program areas:

- **Education & Training**
- **Health Sciences**
- **Hospitality, Tourism & Lodging**
- **Human Services**

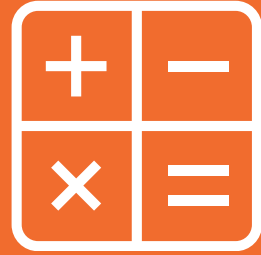
These rigorous one- or two-year programs include pathways for:
Early Childhood Education, School Age Education, Dental Assistant, Dietary Aide, Medical Assistant, Medical Imaging, Medical Laboratory Assistant, Phlebotomist, Pharmacy Technician, Medical Office, Physical Therapy Aide, Nursing Assistant, Resident Aide, Food and Beverage, Lodging, Meeting & Events, Barbering & Cosmetology

Please refer to the “Youth Apprenticeship ” section in the course guide for more information on this work based learning opportunity.

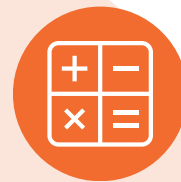
Math Department Course Pathways



MATH



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Math Tutorial</u>	VMAT0106A0	9-10	Teacher Placement	Semester .5
<u>Math for the Trades</u>	VMAT0161A1	10-12	Algebra 1	Semester .5
<u>Math for the Trades - Commercial</u>	VMAT0171B2	10-12	Algebra 1	Semester .5
<u>Algebra 1</u>	VMAT0140A1 - Sem1 VMAT0150B2 - Sem2	9-12	None	Year-long 1
<u>Geometry</u>	VMAT0200A1 - Sem1 VMAT0210B2 - Sem2	9-12	Algebra 1	Year-long 1
<u>Algebra 2</u>	VMAT0300A1 - Sem1 VMAT0310B2 - Sem2	9-12	Algebra 1 and Geometry	Year-long 1
<u>Mathematical Reasoning - Dual Credit</u>	VMAT0250A1 - Sem 1 VMAT0250B2 - Sem 2	11-12	Algebra 1 and Geometry	Year-long 1
<u>Applied Statistics</u>	VMAT0285A1 - Sem 1 VMAT0285B2 - Sem 2	11-12	Algebra 1 and Geometry	Year-long 1



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Advanced Algebra</u>	VMAT0340A1 - Sem 1 VMAT0340B2 - Sem 2	9-12	Algebra 1 & Geometry (or taken concurrently with Geometry)	Year-long 1
<u>College Algebra</u>	VMAT0400A1 - Sem 1 VMAT0400B2 - Sem 2	10-12	Advanced Algebra	Year-long 1
<u>AP Precalculus</u>	VMAT0430A1 - Sem 1 VMAT0430B2 - Sem 2	10-12	Advanced Algebra or College Algebra	Year-long 1
<u>AP Statistics</u>	VMAT0460A1 - Sem 1 VMAT0460B2 - Sem 2	10-12	Advanced Algebra	Year-long 1
<u>AP Calculus AB</u>	VMAT0500A1 - Sem 1 VMAT0500B2 - Sem 2	12	Precalculus	Year-long 1
<u>AP Calculus BC</u>	VMAT0600A1 - Sem 1 VMAT0600B2 - Sem 2	12	AP Calculus AB	Year-long 1
<u>AP Calculus BC - 12</u>	VMAT0610A1 - Sem 1 VMAT0610B2 - Sem 2	12	AP Precalculus	Year-long 1
<u>AP Research - Blended</u>	VINTB400A1 - Sem 1 VINTB400B2 - Sem 2	12	AP Seminar	Year-long 1

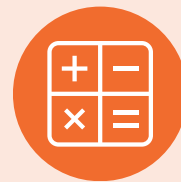
Welcome to the math offerings at VAHS! Here's some important information you need to know. Options for incoming 9th graders. Math placement is determined with your 8th grade math teacher.

OPTION 1
ALGEBRA 1

OPTION 2
GEOMETRY

High school graduation requirement = 3 credits of any math class.

College requirement - Advanced Algebra is required for most 4 year colleges. Some universities recommend a fourth core math class which would be College Algebra or AP Precalculus. AP Statistics usually does not count as the 4th core math class but it can count for college credit. Math for the Trades, Statistics, and Personal Financial Literacy do not count as core math classes for college admission.



MATH TUTORIAL VMAT0106A0

Grades: 9-10 **Prerequisites:** Teacher Placement

Credit: .5, Semester

Math Tutorial is designed for students identified as needing academic support in Algebra 1. While this class is optional, students must be invited to participate. Students in this course must also be enrolled in Algebra 1.

MATH FOR THE TRADES - HOME VMAT0161A1

Grades: 10-12 **Prerequisites:** Algebra 1

Requirements: Scientific calculator

Credit: .5, Semester

Math for the Trades - Home is a course that integrates technical-based mathematics skills, along with project-based learning. Students will be offered instruction that offers applicable mathematics for technical and trades-related careers. In addition, students will gain exposure to the educational and training aspects of careers that they are interested in pursuing. Units in the course include the following:

- Measurement - emphasis on unit conversion, fractions, decimals, percentages, measurement tolerance
- Blueprints - reading and interpreting blueprints, proportions, scaling, geometric transformations
- Career Clusters - career research, education and technical training research, personal finance and budget computations for running a small business
- Computer aided drafting- creating technical drawing and plans
- Construction basics- applying geometry and trigonometry to hands on projects

MATH FOR THE TRADES - COMMERCIAL VMAT0171B2

Grades: 10-12 **Prerequisites:** Algebra 1

Requirements: Scientific calculator

Credit: .5, Semester

Math for the Trades - Commercial is a course that integrates technical-based mathematics skills, along with project-based learning. Students will be offered instruction that offers applicable mathematics for technical and trades-related careers. In addition, students will gain exposure to the educational and training aspects of careers that they are interested in pursuing. Completion of Math for the Trades - Home is not required, in order to sign up for Math for the Trades - Commercial. Units in the course include the following:

- Career Cluster Revisited - mathematics overview for specific industries
- Intro to Computer Programming - introduction to conditional, Boolean, and logic statements
- Introduction to Physics - force, motion, energy
- Basic electricity- principles of electricity, home wiring, Ohm's Law, Kirchhoff's Laws
- Properties of Heating and Cooling - heat loss and retention of residential buildings, HVAC properties, and thermodynamics.



ALGEBRA 1

VMAT0140A1 = SEM 1

VMAT0150B2 = SEM 2

Grades: 9-12 **Prerequisites:** None

Recommended: Scientific calculator

Credit: 1.0, Year Course

Algebra 1A is the first semester of a traditional, yearlong high school Algebra 1 class. The topics of this course include but are not limited to probability, statistics, variables, solving equations, percents, proportions, slope, rate of change, writing equations of lines, and graphing lines on the coordinate plane.

Algebra 1B is the second semester of a traditional, yearlong high school Algebra 1 class. The topics of this course include but are not limited to systems of equations, systems of inequalities, solving inequalities, exponents, functions, modeling with graphs, one and two variable inequalities, and quadratics.

GEOMETRY

VMAT0200A1 = SEM 1

VMAT0210B2 = SEM 2

Grades: 9-12 **Prerequisites:** Algebra 1

Requirements: Scientific calculator

Credit: 1.0, Year Course

Geometry A is the first semester of a traditional year-long Geometry class. The topics of this course include but are not limited to rigid transformations, properties of triangles, congruent triangle proofs, similarity, and the right triangle trigonometry.

Geometry B is the second semester of a traditional yearlong high school Geometry class. The topics of this course include but are not limited to area and volume of 3-D solids, straight line slope relationships, Pythagorean theorem, equations of circles, and visualizations of conditional probability.

ALGEBRA 2

VMAT0300A1 = SEM 1 - ALGEBRA 2A

VMAT0310B2 = SEM 2 - ALGEBRA 2B

Grades: 10-12 **Prerequisite:** Algebra 1, Geometry

Algebra 2 is a yearlong math class. Topics of study include simplifying and solving linear, polynomial, exponential, radical and rational expressions and equations. Real-world problem solving and applications will be integrated throughout this course.



MATHEMATICAL REASONING - DUAL CREDIT

VMAT0250A1= SEM 1

VMAT0250B2 = SEM 2 -

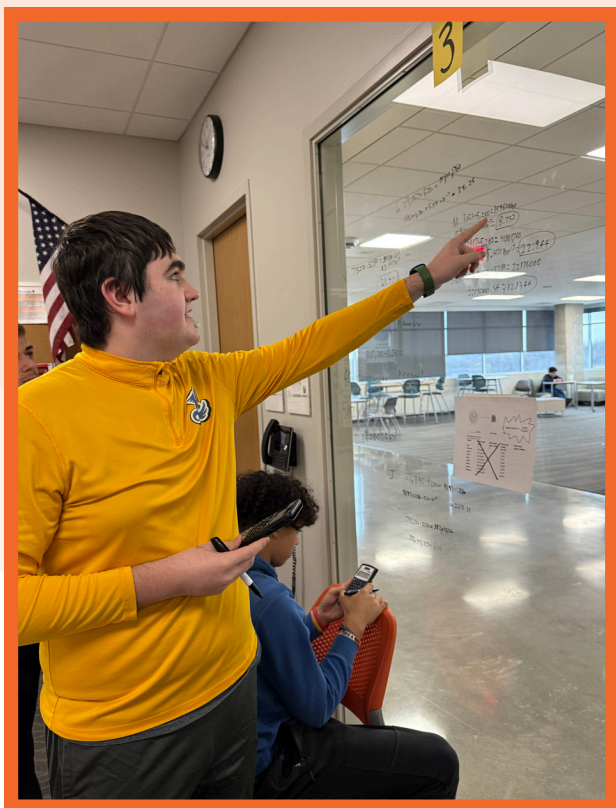
Grade: 11,12 **Prerequisites:** Algebra 1 and Geometry

Requirements: Scientific calculator

Credit: 1.0, Year Course

Note: This class is the equivalent of Madison College's Mathematical Reasoning - All college students, regardless of their college major, need to be able to make reasonable decisions about fiscal, environmental, and health issues that require quantitative reasoning 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 Science, Engineering, or Math students and/or others who require calculus. This course may be used as the prerequisite for Quantitative Reasoning, Principles of Geometry, General Chemistry, and/or Survey of Physics.

Madison College Credit Option: In addition to the 1.0 VAHS credit, students who maintain at least a C- average for both semesters, and earn at least a C- on the Madison College approved year-end final exam can also earn 3 Madison College credits (at no additional cost to the student).





APPLIED STATISTICS

VMAT0285A1 = SEM 1

VMAT0285B2 = SEM 2

Grades: 11-12

Prerequisites: Algebra 1 and Geometry

Credit: 1.0, Year Course

Requirements: Graphing calculator (TI 84 plus recommended)

The Applied Statistics course introduces students to foundational concepts in data collection, data representation, probability, and inferential statistics. Through a blend of activities, lecture, practice problems, and projects, students will develop the analytical skills to collect valid data and make decisions based on that data. This class counts as a math class and yields math credit for high school graduation. Please note that many colleges expect students to complete a sequence of Algebra, Geometry, and Algebra 2 and/or Advanced Algebra.

ADVANCED ALGEBRA

VMAT0340A1 = SEM 1

VMAT0340B2 = SEM 2

Grades: 9-12

Prerequisites: Algebra 1 and Geometry (or taken with Geometry)

Credit: 1.0, Year Course

Requirements: Graphing calculator (TI 84 plus recommended)

Advanced Algebra is a traditional yearlong high school Advanced Algebra class. The topics of this course include but are not limited to linear equations and matrices, functions, quadratics, exponents, polynomials, radicals, sequences and series, exponential and logarithmic functions, rational functions, and trigonometry

COLLEGE ALGEBRA

VMAT0400A1 = SEM 1

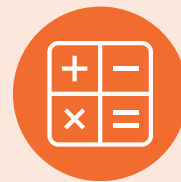
VMAT0400B2 = SEM 2

Grades: 10-12 **Prerequisites:** Advanced Algebra

Credit: 1.0, Year Course

Requirements: Graphing calculator (TI 84 plus recommended)

College Algebra is a yearlong class similar to a university level college algebra class. It provides further study of advanced algebra concepts for students who need more preparation for Precalculus and AP Statistics. Students will study linear, quadratic, polynomial, exponential, logarithmic, and trigonometric functions.



AP PRECALCULUS

VMAT0430A1 = SEM 1

VMAT0430B2 = SEM 2

Grades: 10-12 **Prerequisites:** Advanced Algebra or College Algebra

Credit: 1.0, Year Course

Requirements: Graphing calculator (TI 84 plus recommended)

Fees: \$110 AP test fee

AP Precalculus is a standard preparation for students planning to take calculus in high school or college. The topics of this course include but are not limited to the study of polynomial and rational functions, exponential and logarithmic functions, trigonometric and polar functions, and functions involving parameters, vectors, and matrices. Intended for college-bound students, those who successfully pass the AP test may receive college credit.

AP STATISTICS

VMAT0460A1 = SEM 1

VMAT0460B2 = SEM 2

Grades: 10-12 **Prerequisites:** Advanced Algebra

Credit: 1.0, Year Course

Requirements: Graphing calculator (TI 84 plus recommended)

Fees: \$110 AP test fee

In this intensive course, students study college level statistics. The class examines descriptive statistics, experimental design, sampling distributions, probability, and statistical inference. Intended for college-bound students, those who successfully pass the AP test may receive college credit.

AP CALCULUS AB

VMAT0500A1 = SEM 1

VMAT0500B2 = SEM 2

Grades: 11, 12 **Prerequisites:** Precalculus

Credit: 1.0, Year Course **Requirements:** Graphing calculator (TI 84 plus recommended)

Fees: \$110 AP test fee

This is the first semester of college-level calculus. In this year-long class students learn topics such as functions, limits, continuity, differential calculus, and integral calculus. Intended for college-bound students, those who successfully pass the AP test may receive college credit for Calculus 1.

AP CALCULUS BC

VMAT0600A1 = SEM 1

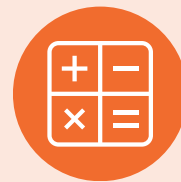
VMAT0600B2 = SEM 2

Grades: 12 **Prerequisites:** AP Calculus AB

Credit: 1.0, Year Course **Requirements:** Graphing calculator (TI 84 plus recommended)

Fees: \$110 AP test fee

This year long class covers the second of three semesters of college level calculus. Typical Calculus 2 topics not included on the AP Calculus BC curriculum will also be covered in this class. Intended for college-bound students, those who successfully pass the AP test may receive college credit for Calculus 2 and qualify for a Calculus 3 course.



AP CALCULUS BC - 12

VMAT0610A1 = SEM 1

VMAT0610B2 = SEM 2

Grades: 12 **Prerequisites:** AP Precalculus

Credit: 1.0, Year Course

Fees: \$110 AP test fee

This course is for seniors only. It is a university level course designed for students to learn Calculus 1 and Calculus 2 in one year. The content of Calculus BC is designed to qualify the student for placement into Calculus 3. Intended for college-bound students, those who successfully pass the AP test may receive college credit.

AP RESEARCH - BLENDED

VINTB400A1

VINTB400B2

Grades: 12 **Prerequisite:** AP Seminar

Credit: 1.0, Year Course; Content-area credit dependent on research topic

Fees: \$110 AP test fee

NOTE: We highly recommend students attend AP Research Boot Camp.

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

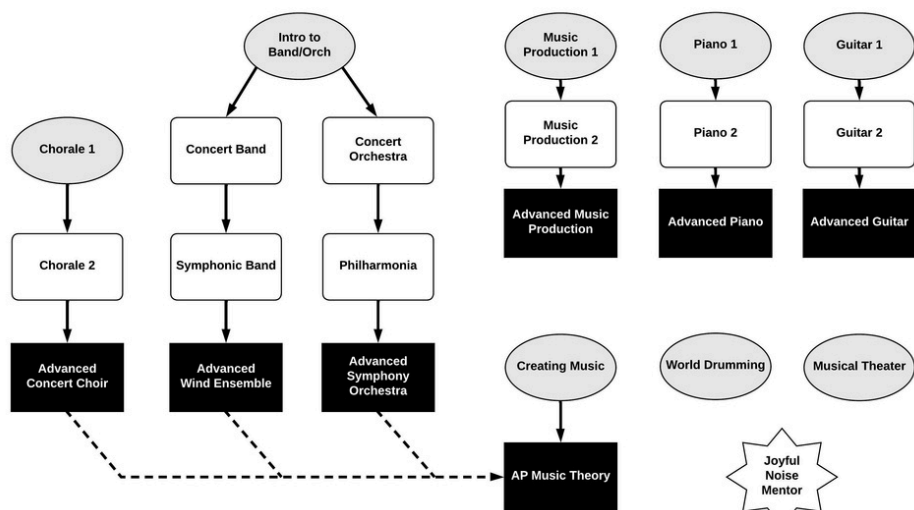
AP Research is the second course in the AP Capstone program, which builds upon the QUEST inquiry framework from AP Seminar. Students will explore an academic topic, problem, issue, or idea based on their own individual interest and then design, plan, and implement a year-long investigation to address their research question. Using ethical research practices, students will further their skills in research methodology and accessing, analyzing, and synthesizing information. Students will reflect on their research processes and create a process and reflection portfolio of their scholarly work. The course culminates in an academic paper and a presentation with an oral defense.

AP Research is the second class in the AP Capstone Diploma Program. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate.

MUSIC



Music Department Course Pathways



○ = Music Courses open to **ALL STUDENTS**
 ■ = Music **CAPSTONE COURSES**

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Concert Band 9</u>	VMUS0124A1 - Sem1 VMUS0124B2 - Sem2	9	8th grade band or equivalent	Year-long 1
<u>Symphonic Band</u>	VMUS0224A1 - Sem1 VMUS0334B2 - Sem2	10-12	Concert Band 9 or equivalent	Year-long 1
<u>Advanced Wind Ensemble</u>	VMUS0230A1 - Sem1 VMUS0230B2 - Sem2	10-12	Audition	Year-long 1
<u>Chorale 1 / Coro Nuovo</u>	VMUS0136A1 - Sem1 VMUS0136B2 - Sem2	9-12	None	Year-long 1
<u>Chorale 2</u>	VMUS0236A1 - Sem1 VMUS0236B2 - Sem2	10-12	Experience in choir	Year-long 1
<u>Advanced Concert Choir</u>	VMUS0336A1 - Sem1 VMUS0336B2 - Sem2	10-12	Audition	Year-long 1
<u>Concert Orchestra</u>	VMUS0148A1 - Sem1 VMUS0148B2 - Sem2	9	Beginning lessons	Year-long 1
<u>Philharmonic Orchestra</u>	VMUS0150A1 - Sem1 VMUS0150B2 - Sem2	10-12	Concert Orchestra	Year-long 1
<u>Advanced Symphony Orchestra</u>	VMUS0248A1 - Sem1 VMUS0248B2 - Sem2	10-12	Audition	Year-long 1
<u>Introduction to Band & Orchestra</u>	VMUS0122A1	9-12	None	Semester .5
<u>World Drumming</u>	VMUS0160A0	9-12	None	Semester .5
<u>Joyful Noise Music Mentor</u>	VMUS0900A0	9-12	Application	Semester .5
<u>Guitar 1</u>	VMUS0100A0	9-12	None	Semester .5
<u>Guitar 2</u>	VMUS0200A0	9-12	Guitar 1	Semester .5
<u>Advanced Guitar</u>	VMUS0300A0	10-12	Guitar 2	Semester .5



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Piano 1</u>	VMUS0106A0	9-12	None	Semester .5
<u>Piano 2</u>	VMUS02060A0	9-12	Piano 1	Semester .5
<u>Advanced Piano</u>	VMUS0306A0	10-12	Piano 2	Semester .5
<u>Creating Music</u>	VMUS0112A0	9-12	None	Semester .5
<u>AP Music Theory</u>	VMUS0406A1	11-12	See course description	Semester .5
<u>Music Production</u>	VMUS0118A0	9-12	None	Semester .5
<u>Music Production 2</u>	VMUS0218A0	9-12	Music Production 1	Semester .5
<u>Advanced Music Production</u>	VMUS0418A0	10-12	Music Production 2	Semester .5
<u>Musical Theater</u>	VMUS0254A0	10-12	None	Semester .5

CONCERT BAND 9

VMUS0124A1 = SEM 1

VMUS0124B2 = SEM 2

Grades: 9 **Prerequisite:** Completion of 8th grade Band or equivalent prior performing experience on an instrument; no audition required

Credit: 1.0, Year Course

Concert Band builds on the fundamental skills introduced in middle school band, including musicality, tone, technique, music-reading, and ensemble skills. As a performance-based class, band students are expected to participate in daily rehearsals and performances. All band students perform in several evening concerts each year, and all band students have the opportunity to participate in optional performing opportunities such as Solo & Ensemble, Jazz Band, and Pep Band at regular season home football games. Students in Concert Band will grow as musicians by learning and performing a wide variety of band repertoire from diverse musical styles and time periods.

SYMPHONIC BAND

VMUS0224A1 = SEM 1

VMUS0224B2 = SEM 2

Grades: 10-12 **Prerequisite:** Completion of VMUS012-Concert Band 9 or equivalent prior performing experience on an instrument; no audition required.

Credit: 1.0, Year Course



Symphonic Band builds on the skills developed in Concert Band, including musicality, tone, technique, music-reading, and ensemble skills, through the performance of a more challenging and diverse repertoire. As a performance-based class, band students are expected to participate in daily rehearsals and performances. All band students perform in several evening concerts each year, and all band students have the opportunity to participate in optional performing opportunities such as Solo & Ensemble, Jazz Band, and Pep Band at regular season home football games. Students in Symphonic Band will grow as musicians by learning and performing a wide variety of band repertoire from diverse musical styles and time periods.

ADVANCED WIND ENSEMBLE

VMUS0230A1 = SEM 1

VMUS0230B2 = SEM 2

Grades: 10-12 **Prerequisite:** Open to students by audition only

Credit: 1.0, Year Course

Wind Ensemble is an advanced-level band open by audition only to students in grades 10-12. Students study and perform the masterworks of band literature as well as contemporary and new music composed for college- and professional-level bands. By studying advanced-level repertoire at a deep level, students make personal connections and explore the human experience through music. As a performance-based class, Wind Ensemble students are expected to participate in daily rehearsals and performances, including small ensembles and full orchestra concerts. All band students perform in several evening concerts each year, and all band students have the opportunity to participate in optional performing opportunities such as Solo & Ensemble, Jazz Band, and Pep Band at regular season home football games.

CHORALE 1 / CORO NUOVO

VMUS0136A1 = SEM 1

VMUS0136B2 = SEM 2

Grades: 9-12 **Prerequisites:** None **Credit:** 1.0, Year Course

This year-long course is designed for beginning 9th-12th grade singers and introduces them to choral music from a variety of cultures and time periods through study, analysis, and performance. The curriculum focuses on building essential vocal techniques, sight-reading, music theory, and music history. As a performance-based class, students are expected to actively participate in daily rehearsals and perform in all required concerts, events, and festivals—typically one performance per quarter. This course provides a foundation for students with varying levels of musical experience, helping them develop skills in vocal technique, posture, breath control, and ensemble singing, creating a diverse and inclusive space where each singer plays a vital role.

CHORALE 2

VMUS0236A1 = SEM 1

VMUS0236B2 = SEM 2

Grades: 10-12 **Prerequisite:** prior year of experience in choir or permission of instructor

Credit: 1.0, Year Course

This year-long course is designed for students with prior singing experience (in Chorale 1) or music experience (teacher permission). It offers a deeper exploration of vocal technique, music theory, and music history through the study and performance of choral music from a variety of cultures and time periods. Students will focus on refining sight-reading skills, developing complex harmonies, and achieving balanced ensemble singing. The class creates a diverse and inclusive space where each singer plays a vital role in the ensemble. As a performance-based class, students are expected to actively participate in rehearsals and perform in required concerts and events.



ADVANCED CONCERT CHOIR

VMUS0336A1 = SEM 1

VMUS0336B2 = SEM 2

Grades: 10-12 **Prerequisite:** Open to students by audition only **Credit:** 1.0, Year Course

This year-long auditioned ensemble, comprised of 10th-12th grade students, performs in at least five concerts per school year, with additional invitations to perform in the community. VAHS choirs have a tradition of excellence, fostering a diverse and inclusive space where each singer plays a vital role. Music is explored through different styles, cultures, languages, and genres, helping each student reach their full potential. Students engage in sectional group work, classroom discussions, and learning about composers to deepen their understanding. By studying themes and texts, students make personal connections and explore the human experience through music.

CONCERT ORCHESTRA

VMUS0148A1 = SEM 1

VMUS0148B2 = SEM 2

Grades: 9 **Prerequisite:** Completion of beginning lessons on instrument or consent of instructor

Credit: 1.0, Year Course

This course is designed for 9th - 12th-grade students who study string instruments and are interested in performing in a large ensemble. Concert Orchestra continues to build on musicianship skills, string performance, and ensemble skills through performances of a variety of musical genres, styles, time periods, and cultures. No audition is required, but students who do not have prior experience should contact the instructor. This is a performance class requiring active participation during class and performance in evening concerts. Students are expected to study their parts and practice their instruments outside of class, as well as participate in small group instruction during A+ periods.





PHILHARMONIA ORCHESTRA

VMUS0150A1 = SEM 1

VMUS0150B2 = SEM 2

Grades: 10-12 **Prerequisite:** Completion of Concert Orchestra or consent of instructor

Credit: 1.0, Year Course

This course is offered to students with prior experience in an orchestra as part of the sequence of VAHS orchestra classes. This is a performance-based class that requires students to participate fully in rehearsals and performs at several required performances throughout the year. Students in this class will continue to grow as musicians through studying and performing a variety of orchestral music.

ADVANCED SYMPHONY ORCHESTRA

VMUS0248A1 = SEM 1

VMUS0248B2 = SEM 2

Grades: 10-12 (by audition) **Prerequisite:** Open to students by audition only.

Credit: 1.0, Year Course

Symphony Orchestra is an advanced orchestra, open to students in grades 9-12 by audition only. Students will study and perform masterworks from the orchestral library and also high-quality contemporary pieces. This is a performance-based class requiring active participation during class and performance in evening concerts. Students are encouraged to take private lessons. Students are expected to practice music outside of class and participate in small group instruction during A+ periods.

SEMESTER MUSIC COURSES

INTRODUCTION TO BAND AND ORCHESTRA

VMUS0122A1

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course, followed by Concert Band, Symphonic Band, Concert Orchestra, or Philharmonia.

The Intro to Band/Orchestra course is designed as a beginning instrumental experience for students who do not have prior experience in Band or Orchestra from middle school and would like to learn the basics of playing an instrument so that they can then join one of the VAHS bands or orchestras for the second semester of the school year. Students in this course will meet with the instructor in the spring or summer prior to the start of the course to select the instrument that they will play. Available instruments include woodwinds (flute, clarinet, saxophone) brass (trumpet, horn, trombone, euphonium, tuba) strings (violin, viola, cello, bass) and percussion (all percussionists will start out on bells and then may test into snare drum, bass drum, timpani, and other concert percussion instruments). In addition to learning performance skills on their instrument, students will also learn rehearsal skills, the elements of music, and how to read music.



WORLD DRUMMING

VMUS0160AO

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

Students in the World Drumming course will learn and perform percussion music from various cultures around the world, including Africa, the Caribbean, Latin America, South America, and other places of rich music cultures. Through hand drumming, students will form a community of musicians, learning and demonstrating the skills of listening, respect, how to lead and how to follow, and how to work together towards a common musical goal.

JOYFUL NOISE MUSIC MENTOR

VMUS0900AO

Grades: 9-12

Prerequisite: Application needed and consent of instructor required

Credit: .5 Semester Course

Joyful Noise is a dynamic, inclusive course blending singing, dancing, and musical instruments, designed for a wide range of abilities and interests. In this course, students mentor and support their peers, fostering a love for music and creative expression in a collaborative environment. Through active music-making, students strengthen their rhythmic and melodic understanding, develop vocal and instrumental skills across genres, and gain confidence through teamwork and mentorship. This four-year program offers a rich musical experience, exploring, creating, and performing music through sensory activities like singing, listening, and dance. Aligned with Wisconsin DPI Music Standards, the curriculum ensures meaningful, relevant learning outcomes.





GUITAR 1 **VMUS0100AO**

Grades: 9-12 **Prerequisite:** None **Credit:** .5, Semester Course

Designed for students interested in learning to read and perform music on the acoustic guitar, this class focuses on acquiring and developing basic guitar skills. These skills include chord strumming, finger picking, scales, basic music theory and music literacy skills necessary for student growth as a musician and performer. Students will be expected to learn both as a collective group and individually. This class serves as a prerequisite for Guitar 2, regardless of your guitar experience before this class.

GUITAR 2 **VMUS0200AO**

Grades: 9-12 **Prerequisite:** Guitar 1 **Credit:** .5, Semester Course

This course further develops the technical skills for guitar performance learned in Guitar 1, including the knowledge and application of a variety of chords, scales, composition, and improvisation. Students will be expected to participate, make recordings, and give performances in class.

ADVANCED GUITAR **VMUS0300AO**

Grades: 10-12 **Prerequisite:** Guitar 2

Credit: .5, Semester Course, may be repeated for credit

This course is designed to provide students who have successfully completed Guitar 1 and 2 the opportunity to continue to study guitar performance. Students' experiences will be personalized and include different aspects of guitar technique, music theory, improvisation, and composition. Study in classical, pop, jazz, folk, and other styles is encouraged.

PIANO 1 **VMUS0106AO**

Grades: 9-12 **Prerequisite:** none **Credit:** .5 Semester Course

This course introduces students to the basics of piano playing and foundational music theory. It covers essential skills such as learning the keyboard layout, note identification, simple rhythms, finger positioning, and playing basic melodies in major keys. Students will practice reading music notation on the staff, working with treble and bass clefs, and studying major scales and basic chord structures. Each student progresses at their own pace, developing personalized piano skills and working on beginner repertoire, including well-known melodies played with both hands. Students will gain hands-on experience with both acoustic and electric pianos, exploring various musical styles and genres.

PIANO 2 **VMUS0206AO**

Grades: 9-12 **Prerequisite:** Piano 1

Credit: .5 Semester Course

This course is designed for students aiming to achieve independence in piano skills. Building on foundational techniques, students will master minor scales, arpeggios, and complex chord inversions while applying music theory concepts like key signatures, chord progressions, and harmonic analysis to their playing. Students will tackle more challenging repertoire that requires hand independence, varied rhythms, and dynamic expression. The course emphasizes independent learning and creativity, with opportunities for composing, arranging, and developing accompaniment skills. Hands-on experience with both acoustic and electric pianos allows students to explore and integrate various musical styles and genres into their performances.

ADVANCED PIANO VMUS0306A0

Grades: 10-12 **Prerequisite:** Piano 2

Credit: .5 Semester Course

This advanced piano curriculum is crafted for students with a solid foundation, aiming to elevate their technical proficiency, interpretive skills, and performance capabilities across a range of challenging repertoire. Focus areas include mastering advanced scales and arpeggios, building hand independence with complex polyrhythms, and practicing advanced techniques like double-note playing and ornamentation. Music theory integrates deeper chord progressions, harmonic analysis, modulation, and sight-reading challenging music. Students will engage with a diverse repertoire, including classical, jazz, and contemporary works, with an emphasis on expressive dynamics and articulation. Performance practice includes stage presence, memorization, and effective strategies for conveying musical interpretation.



CREATING MUSIC VMUS0112A0

Grades: 9-12 **Prerequisite:** none

Credit: .5, Semester Course

This introductory level course teaches students the fundamentals of the language of music and how to apply those fundamentals to create music. Students will receive instruction in music theory and music composition and gain hands-on experience with computers and music-creating software. Students study form, melody, harmony, rhythm, timbre, texture, and expression in order to effectively create original compositions in a variety of genres. Students will use MIDI keyboards, audio mixers, and software such as GarageBand and Finale. This course serves as a prerequisite for AP Music Theory.

AP MUSIC THEORY VMUS0406A1

Grades: 11,12

Prerequisite: Creating Music OR placement examination; concurrent enrollment in a performing ensemble OR significant instrumental/vocal experience strongly recommended but not required

Credit: .5, Semester Course

Fees: \$110 AP test fee

The AP Music Theory course is an in-depth study of western art music (a.k.a. “classical” music). Designed for the advanced music student with substantial prior performing experience and study in a performing ensemble (band, choir, orchestra) or private study (piano, voice, etc.), this course will prepare students for the AP Music Theory Examination. Successful class participation includes sight singing, ear training, and demonstration of knowledge of concepts through voice and performance on an instrument. Students will complete an analysis of a significant work of “classical” music and will create an original composition demonstrating concepts covered in the course. All students who register for this course are strongly encouraged to take the AP Music Theory exam.

MUSIC PRODUCTION 1

VMUS0118A0

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

This course is for motivated and curious students who want to explore recording, composing, and creating electronic music in the music technology lab and recording studio in the VAHS music department. Course content includes instruction in Mac basics, acoustics, waveforms, microphones/sound equipment, digital music creation, and multi-track recording. All students will be expected to participate as a sound engineer or technician at live concert performances and recording sessions. Students will also compile an individual web-based digital portfolio. This course serves as a prerequisite for Music Production 2.



MUSIC PRODUCTION 2

VMUS0218A0

Grades: 9-12 **Prerequisite:** Completion of Music Production 1

Credit: .5, Semester Course

This is a laboratory-based course in which students become advanced users of the music recording studio and technology lab. Students extend their skills using Mac workstations, MIDI keyboards, and Logic Pro software. With the collaboration of the instructor, students design and create individual and group projects. Each student is responsible for producing a web-based digital portfolio. Coursework may require studio time outside of class. Students will also participate as a sound engineer or technician at live concert performances and recording sessions. This course is recommended for motivated students interested in careers in the arts and technology.

ADVANCED MUSIC PRODUCTION

VMUS0418A0

Grades: 10-12 **Prerequisite:** Completion of Music Production 2

Credit: .5, Semester Course, may be repeated for credit

Advanced Music Production is a personalized-learning course for students who have successfully completed Music Production 1 and Music Production 2 and who wish to extend their learning and gain experience in the in-depth study of digital music creation, sound design, and recording technology. Students in Advanced Music Production will be expected to apply their skills/knowledge by engineering sound at live performances and recording sessions. Advanced Music Production may be repeated for credit and is highly recommended for all students interested in careers in music production, music business, recording technology, sound design, music performance, and music education.

MUSICAL THEATER

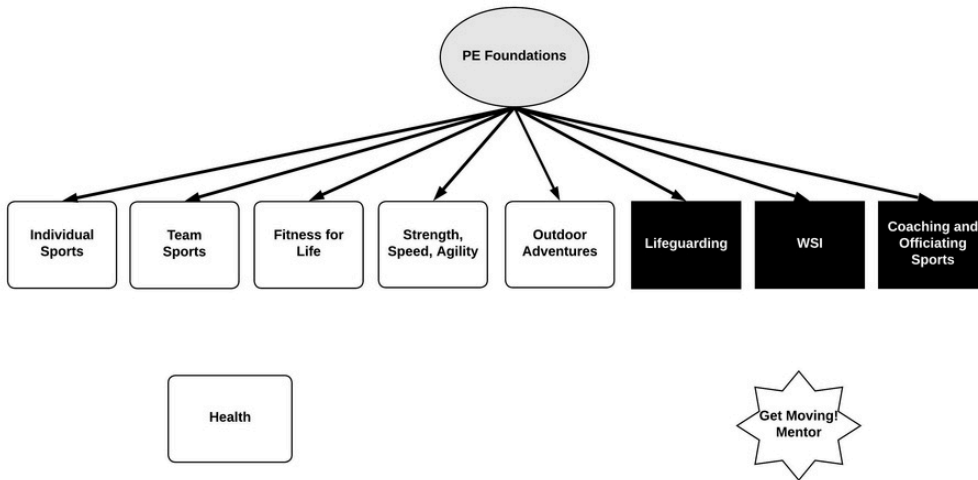
VMUS0254A0

Grades: 10-12 **Prerequisite:** None

Credit: .5, Semester Course

For the novice and experienced performer, explore Musical Theatre through singing, acting, and dance. Students will have the opportunity to learn about the fundamentals of American Musical Theatre - history, social, and cultural impact of the musical theatre form - while rehearsing, performing, directing, and choreographing/staging various musical pieces from the Broadway genre. Concurrent enrollment in a performance ensemble class (Band, Choir, or Orchestra) are strongly recommended.

PE/Health Department Course Pathways



PHYSICAL EDUCATION/ HEALTH



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Physical Education Foundations</u>	VPHY0100A0	9-10	None	Semester .5
<u>Outdoor Adventures</u>	VPHY0242A0	10-12	PE Foundations	Semester .5
<u>Individual Sports</u>	VPHY0218A0	10-12	PE Foundations	Semester .5
<u>Team Sports</u>	VPHY0224A0	10-12	PE Foundations	Semester .5
<u>Fitness for Life</u>	VPHY0200A0	9-12	None	Semester .5
<u>Strength, Speed, and Agility</u>	VPHY0212A0	9-12	None	Semester .5
<u>Lifeguard Training and CPR for Professional Rescuers</u>	VPHY0236A0	9-12	Must be 15 by end of course	Semester .5
<u>Water Safety Instructor Training</u>	VPHY0306A0	10-12	Must be 16 by end of course	Semester .5
<u>Coaching & Officiating Sports</u>	VPHY0230A0	10-12	PE Foundations	Semester .5
<u>Health Education</u>	VHTH0200A0	10-12	None	Semester .5
<u>Health Education - Blended</u>	VHTH0201A0	11-12	None	Semester .5
<u>Get Moving! Mentorship</u>	VPHY0920A0	10-12	Application	Semester .5

PHYSICAL EDUCATION FOUNDATIONS

VPHY0100AO

Grade: 9-10 **Credit:** .5, Semester Course

Note: This is a required course. This course must be taken before any other PE credits can accrue. It is strongly recommended to take during 9th grade. This course is not repeatable. This course focuses on basic skills and fundamentals with an emphasis on lifetime fitness and activity. Units may include team activities, individual activities, net sports, invasion sports, racquet sports, strength & conditioning, to name a few. This course will develop a foundation and skills and strategies for many of the lifetime activities a student may encounter. This course will also examine healthy choices, internet safety, and lifetime strength & fitness plans.



OUTDOOR ADVENTURES

VPHY0242AO

Grades: 10-12 **Prerequisites:** Phy Ed Foundations

Credit: .5, Semester Course

The focus of this course is to build an appreciation for the outdoors and natural resources by building a sense of community and responsibility among students as citizens. The course aims to eliminate predictable trends of engagement in outdoor activities based on ethnicity/race and socioeconomic status. We are privileged to have access to a variety of outdoor resources in Wisconsin, this course aims to give students the knowledge and skills necessary to access these resources in a safe and responsible way regardless of background, while also fostering a sense of responsibility to help care for these spaces through the utilization of the Leave No Trace (LNT) principles.

INDIVIDUAL SPORTS

VPHY0218AO

Grades: 10-12 **Prerequisites:** Phy Ed Foundations

Credit: .5, Semester Course

The focus of this class is the teaching and participation in individual sports as life-time activities. Some of the units may be taught at off campus locations within the community. The emphasis will be on teaching skills, techniques and rules needed to participate in these activities for the remainder of your life to assure wellness through an active lifestyle. Activities can include badminton, pickleball, bowling, archery, golf, tennis, ice skating, snowshoeing, slacklining, fitness/wellness, outdoor pursuits, water activities, and biking. This class employs differentiation to allow students to take the class multiple times while continuing the learning progression.





TEAM SPORTS

VPHY0224A0

Grades: 10-12 **Prerequisites:** Phy Ed Foundations

Credit: .5, Semester Course

The focus of this highly competitive class will be on the techniques, rules, strategies, and teamwork of team sports, with an emphasis on lifelong fitness. Units may include basketball, flag football, volleyball, floor hockey, speedball/soccer, and ultimate Frisbee, among others. This class employs differentiation to allow students to take the class multiple times while continuing the learning progression.

FITNESS FOR LIFE

VPHY0200A0

Grades: 9-12 **Prerequisites:** None

Credit: .5, Semester Course

This course is designed for students who want to develop and improve their physical fitness levels. Upper and lower body strengthening and stretching exercises, core (abdominal) exercises, and cardiovascular exercises will be emphasized in order to improve muscle strength, coordination, flexibility, and change of direction skills. Students will be pre and post-tested in order to facilitate and show progress and to work toward improving overall body composition. Whether in the weight room, gym, track, or grounds, students will be asked to be part of a supportive team atmosphere. This class can be repeated for credit in order to continue physical progression through high school.

STRENGTH, SPEED, AND AGILITY

VPHY0212A0

Grades: 9-12 **Prerequisites:** None

Credit: .5, Semester Course

This course is designed for students who want to develop and improve their athletic ability. Upper body, lower body, and core strengthening exercises as well as running speed, and change of direction will be emphasized. Students will be pre- and post-tested in a variety of physical skills. Along with daily participation in a wide variety of physical skills and drills, students will be asked to be part of a team atmosphere. This class can be repeated for credit in order to continue physical progression through high school.





LIFEGUARD TRAINING AND CPR FOR PROFESSIONAL RESCUERS VPHY0236A0

Grades: 9-12 **Prerequisites:** must be 15 by the end of the class

Credit: .5, Semester Course

This course trains individuals in lifesaving skills and the knowledge needed to prevent and respond to aquatic emergencies. Students will become certified in First Aid, CPR, and AED. This course provides the necessary training to become a certified professional lifeguard through the American Red Cross. This course can be repeated for credit during the senior year to assist with skill and activity demonstration and instruction as well as recertification.

For Freshmen to take the Lifeguard Training and CPR course, they need to be pre-approved by their counselor to ensure they meet the age requirement (Student must be 15 years of age by the end of the class). Freshmen must complete the required Physical Education Foundations course before any other PE credits can accrue. Phy Ed Foundations would count for their .5 phy ed credit their freshman year and any additional phy ed courses taken freshman year count as elective credit.

WATER SAFETY INSTRUCTOR TRAINING VPHY0306A0

Grades: 10-12 **Prerequisites:** must be 16 by the end of the course

Credit: .5, Semester Course

This course trains students to teach swimming lessons to people of all ages and abilities. Students will learn to break swimming skills into drills with progressions. Class management, water safety, technique analysis, and lesson/unit development are practiced in student teaching sessions. Students will also work to improve their own swimming technique in all the strokes in the American Red Cross Learn-to-Swim program.

COACHING AND OFFICIATING SPORTS VPHY0230A0

Grades: 10-12 **Prerequisites:** PE Foundations

Credit: .5, Semester Course

This course will prepare students to coach their own team or officiate up to the middle school level. It will also provide opportunities for students to volunteer in the community or seek paying jobs in multiple sports. You will acquire the skills and leadership necessary to thrive in those roles. Students can also become a licensed referee through the WIAA (Wisconsin Interscholastic Athletic Association) with a waived fee. This class will be based strongly on student involvement, but will also include informational discussions, guest speakers, video training, and live practices/games.

HEALTH EDUCATION VHTH0200A0

Grade: 10-12

Credit: .5, Semester Course

Note: This is a required course.

A comprehensive health education course, this course emphasizes life skills and decision making by providing and exploring aspects of physical, social, and mental health. The information in this course will assist individuals in forming and realizing lifelong positive health habits and behaviors.



HEALTH EDUCATION - BLENDED VHTH0201AO

Grade: 11-12

Credit: .5, Semester Course

Note: This is a required course.

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

Blended Health Education covers the same information as Health Education, however part of the course is designed to be completed at students' own pace. Class will meet in person about 75% of the time and asynchronous the other 25% of the time. Students will either be off-campus or in a designated space doing work during the asynchronous times. Students that choose this type of class should be highly self-motivated learners and be able to manage their time. The online portion of this class will help to further technology skills and serve as preparation for future high school and college classes that have similar requirements. A comprehensive health education course, this course emphasizes life skills and decision making by providing and exploring aspects of physical, social, and mental health. The information in this course will assist individuals in forming and realizing lifelong positive health habits and behaviors.

GET MOVING!- MENTORSHIP VPHY0920AO

Grades: 10-12 **Prerequisites:** Completion of Application and Consent of Instructor

Credit: .5, Semester Course/can request both semesters

Note: Does NOT fulfill PE graduation requirement and does NOT give PE credit (only elective credit)

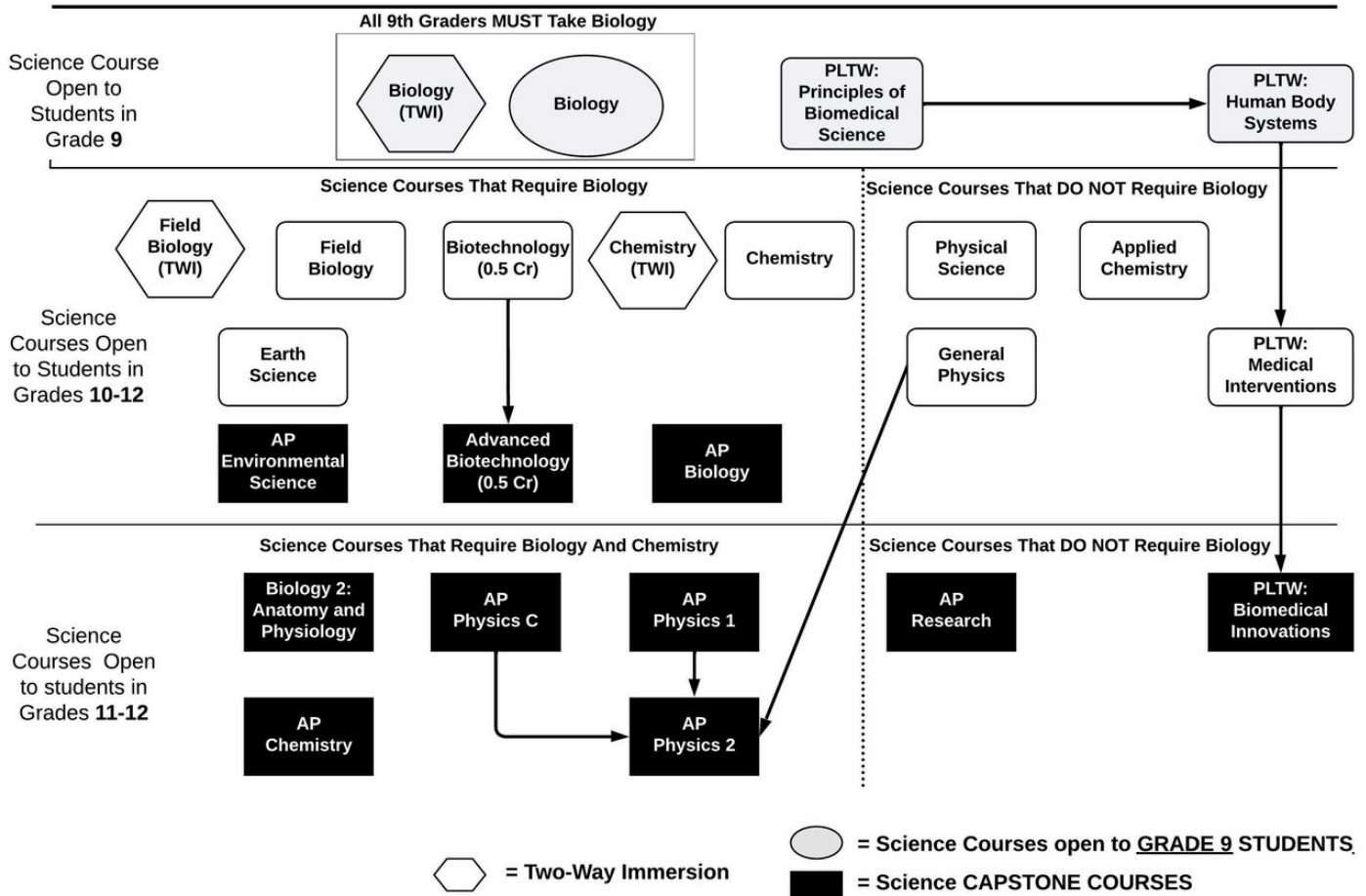
Students will assist the special needs students with daily physical education class activities. This course can be repeated multiple times. Students will learn strategies for working with students in an inclusive environment and demonstrate knowledge of working with students with various disabilities. This course was formerly known as Adapted PE Mentorship. Students will be asked to participate in a 2 hour session prior to the start of classes to review what it means to be a mentor.





These are possible course sequence recommendations during your high school career here at VAHS. Please see your current Science teacher if you have any questions. You will need to earn 3 Science credits towards graduation from VAHS.

Science Department Course Pathways





COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Biology</u>	VSCI0100A1 - Sem1 VSCI0100B2 - Sem2	9	None	Year-long 1
<u>Biology - Spanish</u>	VSCIS100A1 - Sem1 VSCIS100B2 - Sem2	9	See Course Description	Year-long 1
<u>Biotechnology - Dual Credit</u>	VSCI0106A0	10-12	Biology	Semester .5
<u>Advanced Biotechnology</u>	VSCI0206A0	10-12	Biology & Biotechnology	Semester .5
<u>Biotechnology - Dual Credit - Blended</u>	VSCIB106A0	11-12	Biology	Semester .5
<u>Advanced Biotechnology - Dual Credit - Blended</u>	VSCIB206A0	11-12	Biology & Biotechnology	Semester .5
<u>Biology 2 - Anatomy & Physiology - Dual Credit</u>	VSCI0102AB0	10-12	Biology, Chemistry	Year-long 1
<u>AP Biology</u>	VSCI0360A1 - Sem1 VSCI0360B2 - Sem2	10-12	Biology, Chemistry (not required but recommended)	Year-long 1
<u>Field Biology</u>	VSCI0237A1 - Sem1 VSCI0237B2 - Sem2	10-12	Biology	Year-long 1
<u>Field Biology - Spanish</u>	VSCI237A1 - Sem1 VSCI123B2 - Sem2	10-12	Biology	Year-long 1
<u>Field Biology - Blended</u>	VSCIB237A1 - Sem1 VSCIB237B2 - Sem2	11-12	Biology	Year-long 1
<u>AP Environmental Science</u>	VSCI0336A1 - Sem1 VSCI0336B2 - Sem2	10-12	Biology, Algebra	Year-long 1
<u>AP Environmental Science - Blended</u>	VSCIB336A1 - Sem1 VSCIB336B2 - Sem2	11-12	Biology, Algebra	Year-long 1
<u>Earth Science</u>	VSCI0230A1 - Sem1 VSCI0230B2 - Sem2	10-12	Biology	Year-long 1
<u>Earth Science - Blended</u>	VSCIB230A1 - Sem1 VSCIB230B2 - Sem2	11-12	Biology	Year-long
<u>Physical Science</u>	VSCI0200A1 - Sem1 VSCI0200B2 - Sem2	10-12	None	Year-long 1



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Applied Chemistry</u>	VSCI0206A1 - Sem1 VSCI0206B2 - Sem2	10-12	Algebra 1	Year-long 1
<u>Chemistry</u>	VSCI0212A1 - Sem1 VSCI0212B2 - Sem2	10-12	Algebra, Biology, concurrent enrollment in Geometry	Year-long 1
<u>Chemistry - Spanish</u>	VSCIS212A1 - Sem1 VSCIS212B2 - Sem2	10-12	Algebra, Biology, concurrent enrollment in Geometry	Year-long 1
<u>AP Chemistry</u>	VSCI0312A1 - Sem1 VSCI0312B2 - Sem2	11-12	Chemistry, Geometry, concurrent enrollment in Intermediate Algebra or higher	Year-long 1
<u>General Physics</u>	VSCI0218A1 - Sem1 VSCI0218B2 - Sem2	10-12	Geometry, concurrent enrollment in Algebra 2 or higher	Year-long 1
<u>AP Physics 1</u>	VSCI0318A1 - Sem1 VSCI0318A1 - Sem2	11-12	Chemistry, Geometry, concurrent enrollment in Advanced Algebra or higher	Year-long 1
<u>AP Physics 2</u>	VSCI0418A1 - Sem1 VSCI0418B2 - Sem2	11-12	AP Physics 1 or General Physics and teacher approval	Year-long 1
<u>AP Physics C - Mechanics</u>	VSCI0324A1 - Sem1 VSCI0324B2 - Sem2	11-12	Pre-Calc, Chemistry, concurrent enrollment in AP Calculus	Year-long 1
<u>PLTW - Principles of Biomedical Science</u>	VSCI0199A1 - Sem1 VSCI0199B2 - Sem2	9-12	None	Year-long 1
<u>PLTW - Human Body Systems</u>	VSCI0299A1 - Sem1 VSCI0299B2 - Sem2	9-12	Principles of the Biomedical or teacher approval	Year-long 1
<u>PLTW - Medical Interventions</u>	VSCI0399A1 - Sem1 VSCI0399B2 - Sem2	10-12	Human Body Systems or concurrent enrollment	Year-long 1
<u>PLTW - Medical Interventions - Blended</u>	VSCIB399A1 - Sem1 VSCIB399B2 - Sem2	11-12	Human Body Systems or concurrent enrollment	Year-long 1
<u>PLTW - Biomedical Innovations Capstone Course</u>	VSCI0499A1 - Sem1 VSCI0499B2 - Sem2	12	See course description	Year-long 1
<u>PLTW Biomedical Innovations Capstone Course - Blended</u>	VSCIB499A1 - Sem1 VSCIB499B2 - Sem2	11-12	See course description	Year-long 1
<u>AP Research - Blended</u>	VINTB400A1 - Sem1 VINTB400B2 - Sem2	11-12	AP Seminar	Year-long 1

BIOLOGY

VSCIO100A1 = Sem 1

VSCIO100B2 = Sem 2

Grades: 9

Credit: 1.0, Year Life Science Course

Biology provides an interesting foundation in the biological sciences, which includes Ecology, Biochemistry, Genetics, Evolution, and Human Body Systems, with emphasis placed on laboratory work and problem-solving. Students will learn from regular assignments, lectures, reading, and labs in order to acquire essential background for a variety of careers such as those in the medical fields, forestry, biotechnology, wildlife management, zoology, botany, and horticulture.

Students will be part of an exciting and engaging curriculum called Illinois Storylines. Storylining is a pedagogical method that incorporates phenomenon-based inquiry and focuses on coherence from lesson to lesson. It is designed to increase student ownership over their learning by putting them and their questions in the driver's seat. Students will be determining relatedness among lions based on actual genetic evidence. Students will be figuring out where lions live based on their genes. Students will track poachers from the DNA evidence in smuggled ivory. Students will be extracting seeds from (simulated) elephant poop to see how these animals disperse seeds and shape the landscape. Students will be calculating metabolic rates so they can design a biologically appropriate diet for animals at the zoo. And this is just the first unit of several we will continue using throughout the year! These phenomenon-driven units involve students in making sense of the natural world through the use of authentic data while integrating different areas of science together when they are necessary to solve a problem. This allows for much deeper and longer lasting learning because everything is taught in context. And the students genuinely excel at a much higher level because of their deeper understanding.

BIOLOGY - (SPANISH) TWI STUDENTS/ENGLISH AS A SECOND LANGUAGE/ENGLISH LANGUAGE LEARNERS ONLY

VSCIS100A1 = Sem 1

VSCIS100B2 = Sem 2

Grades: 9

Prerequisites: Participation in Middle School TWI Program or Heritage speaker with Placement Test

Credit: 1.0, Year Life Science Course

Biology provides an interesting foundation in the biological sciences, which includes Ecology, Biochemistry, Genetics, Evolution, and Human Body Systems, with emphasis placed on laboratory work and problem-solving. Students will learn from regular assignments, lectures, reading, and labs in order to acquire essential background for a variety of careers such as those in the medical fields, forestry, biotechnology, wildlife management, zoology, botany, and horticulture.

BIOTECHNOLOGY - DUAL CREDIT

VSCIO106A0

Grades: 10-12 **Prerequisites:** Biology

Credit: .5, Semester Life Science Course

Note: One Dual Credit is available from Madison College upon completion of this course with a C or better at no cost to the student.

Team-taught between the Agriculture and Science departments, this class explores tissue cultures, genetic engineering, food production, medical advances, and crime scene technology. This class is designed to be a lab intensive course. This class is appropriate for students interested in entering technical, medical, law enforcement, and laboratory or biotechnology fields.





ADVANCED BIOTECHNOLOGY - DUAL CREDIT VSCIO206A0

Grades: 10-12 **Prerequisites:** Biology and Biotechnology

Fees: possible field trip expenses

Credit: .5, Semester Life Science Course

Note: One Dual Credit is available from Madison College upon completion of this course with a C or better at no cost to the student.

Concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. This course builds from Biotechnology, continuing to explore the latest research, breakthroughs, and information in biotechnology, including ethical questions. Upon completing this class, students should be able to perform basic laboratory procedures using lab ware, solutions, and equipment using prescribed protocols partly through experiments of their own design. This class is appropriate for students interested in furthering their experience designing and executing laboratory procedures.

BIOTECHNOLOGY - DUAL CREDIT - BLENDED VSCIB106A0

Grades: 11-12 **Prerequisite:** Biology

Credit: .5, Semester Course, Cross-listed with Science Department for science

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.

ADVANCED BIOTECHNOLOGY- DUAL CREDIT - BLENDED VSCIB206A0

Grades: 11-12 **Prerequisite:** Biology and Biotechnology

Credit: .5, Semester Course, Cross-listed with Science Department for science credit

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.



BIOLOGY 2: ANATOMY & PHYSIOLOGY - DUAL CREDIT

VSCI0102A1

VSCI0102B2

Grades: 10-12 **Prerequisites:** Biology, Chemistry

Credit: 1.0, Year Life Science Course

Fees: \$330 if opting in for dual credit with UWGB

BIOLOGY 2 - Human Biology. This is a college-prep course meant for self-motivated and college-bound students who have an interest in biological sciences, specifically human anatomy and physiology, this class will study both microbiosystems and macrobiosystems through laboratory activities, lectures, and readings. Comparative dissection will be completed during the second semester on a cat. Dissection units will enhance instruction, and students are required to maintain an organized and thorough lab notebook.

AP BIOLOGY

VSCI0360A1 = SEM 1

VSCI0360B2 = SEM 2

Grades: 10-12 **Prerequisites:** Biology (required), Chemistry (strongly recommended)

Credit: 1.0, Year Life Science Course

Fees: \$110 AP test fee, possible field trip expenses

This is a college-level course designed for students planning to take the Advanced Placement examination for college credit. Topics include cellular processes - energy and communication, genetics, evolution, human systems, and ecology. Twenty-five percent of the course is devoted to hands-on multi-day laboratory activities with an emphasis on inquiry-based investigations. Results are presented in lab reports and poster presentations. Students should expect extensive daily reading assignments, regular quizzes, lab preparation, analysis, and discussion. This class is appropriate for students with a strong interest in the biological sciences.

FIELD BIOLOGY

VSCI0237A1 = SEM 1

VSCI0237B2 = SEM 2

Grades: 10-12 **Prerequisites:** Biology

Credit: 1.0, Year Life Science Course

Fees: Possible field trip expenses

Field Biology - Wisconsin Ecology. This class is meant for students who wish to continue studying biology with a focus on ecology and who have an eagerness to be outdoors in the school forest in a variety of weather conditions. Students will analyze the biology of the habitats and ecosystems present in the VASD School Forest, wetland, forest, and prairie.

FIELD BIOLOGY SPANISH TWI STUDENTS/ENGLISH AS A SECOND LANGUAGE/ENGLISH LANGUAGE LEARNERS ONLY

VSCIS237A1 = SEM 1

VSCIS237B2 = SEM 2

Grades: 10-12 **Prerequisites:** Biology

Credit: 1.0, Year Life Science Course

Fees: Possible field trip expenses

Field Biology - Wisconsin Ecology. This class is meant for students who wish to continue studying biology with a focus on ecology and who have an eagerness to be outdoors in the school forest in a variety of weather conditions. Students will analyze the biology of the habitats and ecosystems present in the VASD School Forest, wetland, forest, and prairie.



FIELD BIOLOGY - BLENDED

VSCIB237A1 = SEM 1

VSCIB237B2 = SEM 2

Grades: 11,12 **Prerequisites:** Biology

Credit: 1.0, Year Life Science Course

Fees: Possible field trip expenses

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.

AP ENVIRONMENTAL SCIENCE

VSCIO336A1 = SEM 1

VSCIO336B2 = SEM 2

Grades: 10-12 **Prerequisites:** Biology, Algebra

Credit: 1.0, Year Course

Fees: \$110 AP test fee possible field trip expenses

This is a college-level course designed for students planning to take the Advanced Placement examination for college credit. This course is designed to provide students with the scientific principles, concepts, and methodologies to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, and to evaluate the risks associated with these problems and examine alternative solutions for resolving and/or preventing them. Students will be presented with, and be expected to understand, specific local environmental issues as they pertain to this course. In addition; the economic, political and ethical challenges associated with environmental issues will be incorporated into the class. This class is appropriate for students with a strong interest in the environmental sciences.

AP ENVIRONMENTAL SCIENCE - BLENDED

VSCIB336A1 = SEM 1

VSCIB336B2 = SEM 2

Grades: 11,12 **Prerequisites:** Biology, Algebra

Credit: 1.0, Year Course

Fees: \$110 AP test fee possible field trip expenses

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.



EARTH SCIENCE

VSCIO230A1 = SEM 1

VSCIO230B2 = SEM 2

Grades: 10-12 **Prerequisites:** Biology

Credit: 1.0, Year Earth Science Course

Earth Science is a course for students who are interested in exploring the history of and the processes that shape the world around them. Throughout the year, we will identify, discuss, design, and test solutions to issues facing our communities and our school. Current events and topics covered include: managing our natural resources, water pollution, soil science, agriculture, and landform analysis. We will investigate hazards and earth processes such as earthquakes, volcanic eruptions, tornadoes, hurricanes, climate and weather patterns, and health effects. Students, who must be comfortable working outside in the school forest in a variety of conditions, will increase awareness of the school forest, maps and geospatial technology, landform models, compasses, and field guides. This class is ideal for students interested in pursuing Earth Science, Environmental Health, or Geology in college.



EARTH SCIENCE - BLENDED

VSCIB0230A1 = SEM 1

VSCIB0230B2 = SEM 2

Grades: 11,12 **Prerequisites:** Biology

Credit: 1.0, Year Earth Science Course

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.





PHYSICAL SCIENCE

VSCI0200A1 = SEM 1

VSCI0200B2 = SEM 2

Grades: 10-12 **Prerequisites:** None

Credit: 1.0, Year Course

Physical science is an application focused, project-based course where students will use their content area knowledge and critical thinking skills to design solutions to real-world scientific problems. The course is divided into modules, each of which challenges students to utilize scientific inquiry, engineering design, and problem solving to design and implement a solution to a real-world problem. In order to achieve this goal, students will be challenged in building a strong base content knowledge across the physical sciences, developing invaluable inquiry and design skills, implementing proposed solutions, and extending their understanding and experiences to future problems. As such, students should expect a highly hands on, interactive experience where group collaboration and personal accountability will be instrumental to success. This class is meant for students with STEM and non-STEM career aspirations that will require the ability to apply foundational physical science content knowledge to an ever-changing world.

APPLIED CHEMISTRY

VSCI0206A1 = SEM 1

VSCI0206B2 = SEM 2

Grades: 10-12 **Prerequisites:** Algebra 1

Credit: 1.0, Year Physical Science Course

Fees: Possible field trip expenses

Note: This class is a physical science class, scientific calculator is required

Applied Chemistry is a science elective designed for students interested in practical, real-world applications of chemistry rather than pursuing a STEM or medical career. Through hands-on labs and engaging phenomena, like the northern lights, students explore fundamental chemistry concepts and discover how these principles impact everyday life.

CHEMISTRY

VSCI0212A1 = SEM 1

VSCI0212B2 = SEM 2

Grades: 10-12

Prerequisite: Algebra and Biology, Concurrent enrollment in Geometry or higher math

Credit: 1.0, Year Elective Physical Science Course

Fees: Possible field trip expenses, scientific calculator required

Chemistry is a science elective class. It is not a requirement. Chemistry will provide a solid foundation in the areas of basic chemistry and will require students to hone abstract thinking and problem-solving skills by asking students to set up and solve math problems independently. Students will have multiple lab experiences and be required to write reports and take notes, which, along with tests, will comprise the student's grade. Students should expect daily homework. This class is a prerequisite for AP Chemistry, AP Physics 1, AP Physics C, AP Physics 2, and Biology 2.

CHEMISTRY - SPANISH TWI STUDENTS/ENGLISH AS A SECOND LANGUAGE/ ENGLISH LANGUAGE LEARNERS ONLY

VSCIS212A1 = SEM 1

VSCIS212B2 = SEM 2

Grades: 10-12

Prerequisite: Algebra and Biology, Concurrent enrollment in Geometry or higher math.

Credit: 1.0, Year Physical Science Course

Fees: Possible field trip expenses, scientific calculator required

Chemistry is a science elective class. It is not a requirement. Chemistry will provide a solid foundation in the areas of basic chemistry and will require students to hone abstract thinking and problem-solving skills by asking students to set up and solve math problems independently. Students will have multiple lab experiences and be required to write reports and take notes, which, along with tests, will comprise the student's grade. Students should expect daily homework. This class is a prerequisite for AP Chemistry, AP Physics 1, AP Physics C, AP Physics 2, and Biology 2.

AP CHEMISTRY

VSCIO312A1 = SEM 1

VSCIO312B2 = SEM 2

Grades: 11,12

Prerequisites: Chemistry, Geometry, current enrollment in Intermediate Algebra, or a higher Math

Credit: 1.0, Year Physical Science Course

Fees: \$110 AP test fee, lab goggles, graphing calculator

This is a college entry-level course that can take the place of first-semester college chemistry with sufficient AP test scores. The class moves at a fast pace and requires high-level problem-solving skills, good time management, analytical and independent thinking, and clear, succinct writing from motivated and organized students. Students should expect to spend time taking notes and completing lab write-ups and homework assignments. Canvas is used to provide resources, assignments, and communication with students. No scientific calculator is required.

GENERAL PHYSICS

VSCIO218A1 = SEM 1

VSCIO218B2 = SEM 2

Grades: 10-12

Prerequisites: Geometry and concurrent enrollment in Algebra 2 or higher Math

Credit: 1.0, Year Physical Science Course

Fees: Approximately \$80 for optional field trip, graphing calculator

Aimed at college-bound students, the General Physics curriculum develops problem-solving and analytical thinking skills as students study mechanical and Newtonian physics and the associated math. General Physics covers approximately 2/3 of the material covered in AP Physics and is highly lab-based. Students will build skills through laboratory experiments, lecture and demonstration. Skills necessary to be successful in this class include good time management, a willingness to complete the assignments, a desire to learn and develop good problem-solving skills. General Physics is useful in medical, engineering, sports, construction, musical, and optical careers.





AP PHYSICS 1

VSCIO318A1 = SEM 1

VSCIO318B2 = SEM 2

Grades: 11,12 (with Prerequisites)

Prerequisites: Chemistry, Geometry and concurrent enrollment in Advanced Algebra or higher Math

Credit: 1.0, Year Physical Science Course

Fees: \$110 AP test fee, \$80 optional field trip fee, graphing calculator

This is a college-level class designed for students planning to take the Advanced Placement examination for college credit. This course uses class discussion, demonstrations, videos, computer simulations, textbooks, labs, and graphical analysis software to study algebra-based physics. The demands for the student will be extensive with daily homework, chapter tests, chapter problem sets, and approximately one lab per week. In order to be successful in this class, students need strong basic algebra skills. In particular, students should know how to graph and solve linear, quadratic, and inverse functions. Students should be comfortable computing the area of trapezoids and circles. Students should be able to compute the volume of spheres, rectangular prisms, and cylinders. This class is appropriate for students interested in entering technical, medical, or engineering careers, or for a liberal arts college student interested in earning credit for an algebra-based physics to satisfy the physical science credit for a B.A. or B.S. degree.

AP PHYSICS 2

VSCIO418A1 = SEM 1

VSCIO418B2 = SEM 2

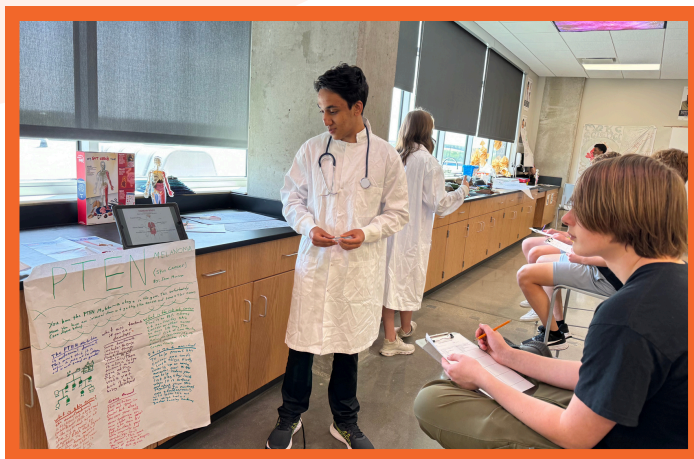
Grades: 11,12 (or Prerequisites)

Prerequisites: AP Physics 1 or General Physics and Instructor Consent

Credit: 1.0, Year Course

Fees: \$110 AP test fee, \$80 optional field trip fee, graphing calculator

This course is a continuation of the skills and concepts introduced in AP Physics 1. Students will develop a deep understanding of Physics concepts including fluid dynamics, thermodynamics, electric fields, complex circuits, magnetism, optics, and atomic physics. They will reason about physical phenomena using important science process skills such as explaining causal relationships, applying and justifying the use of mathematical routines, designing experiments, and analyzing data. This class is appropriate for students interested in entering technical, medical, or engineering careers, or for a liberal arts college student interested in earning credit for an algebra-based physics to satisfy the physical science credit for a B.A. or B.S. degree.



AP PHYSICS C - MECHANICS

VSCI0324A1 = SEM 1

VSCI0324B2 = SEM 2

Grades: 11,12 **Prerequisites:** Pre-calculus and Chemistry, concurrent enrollment in AP Calculus

Credit: 1.0, Year Course

Fees: \$110 AP test fee, \$80 optional field trip fee,

This is a college-level class designed for students planning to take the Advanced Placement examination for college credit. This course uses class discussion, demonstrations, videos, computer simulations, textbooks, labs, and graphical analysis software to study calculus-based physics. The demands for the student will be extensive with daily homework, chapter tests, chapter problem sets, and approximately one lab per week. In order to be successful in this class, students need strong pre-calculus skills. In particular, students should be able to

- graph and solve sophisticated linear, quadratic, inverse, and rational functions
- use technology to graph bivariate data and create mathematical models.
- evaluate limits
- compute area of trapezoids and circles
- compute volume of spheres, rectangular prisms, and cylinders

This class is appropriate for students interested in entering technical, medical, or engineering careers.



PLTW - PRINCIPLES OF THE BIOMEDICAL SCIENCES

VSCI0199A1 = SEM 1

VSCI0199B2 = SEM 2

Grades: 9-12 **Prerequisite:** None

Credit: 1.0, Year-long Science elective course

College Credit eligible upon successful completion of End of Course Exam. This course will be offered at VAHS.

Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are also incorporated. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.

PLTW - HUMAN BODY SYSTEMS

VSCIO299A1 = SEM 1

VSCIO299B2 = SEM 2

Grades: 9-12 **Prerequisite:** Completion of or concurrent enrollment in Principles of the Biomedical or consent of instructor.

Credit: 1.0, Year-long Science elective course

College Credit eligible upon successful completion of End of Course Exam. This course will be offered at VAHS. Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases, perform multiple dissections, and often play the role of biomedical professionals to solve medical mysteries.



PLTW - MEDICAL INTERVENTIONS

VSCIO399A1 = SEM 1

VSCIO399B2 = SEM 2

Grades: 10-12

Prerequisite: Completion of or concurrent enrollment in Human Body Systems.

Credit: 1.0, Year-long Science elective credit

College Credit eligible upon successful completion of End of Course Exam. This course will be offered at VAHS in a blended format. On average, 2-3 out of 5 days a week, the class will meet in the normal classroom for face-to-face instruction and labs. The other 2-3 days students will either be off-campus or in a designated space doing work. Students that choose this class should be self motivated learners and able to manage their time.

Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body as students explore: how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario introduces multiple types of interventions and reinforces concepts learned in the previous two courses, as well as presenting new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions are showcased across the generations of the family and provide a look at the past, present and future of biomedical science. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important roles scientific thinking and engineering design play in the development of interventions of the future.

PLTW - MEDICAL INTERVENTIONS - BLENDED

VSCIB399A1 = SEM 1

VSCIB399B2 = SEM 2

Grades: 11,12

Prerequisite: Completion of or concurrent enrollment in Human Body Systems.

Credit: 1.0, Year-long Science elective credit

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.

PLTW - BIOMEDICAL INNOVATIONS Capstone Course

VSCIO499A1 = SEM 1

VSCIO499B2 = SEM 2

Grades: 12 Senior Standing Only

Prerequisite: Completion of or concurrent enrollment of PBS, HBS, and MI Or consent of Global Academy Advisor.

Credit: 1.0, Year-long Science elective credit

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from local businesses and healthcare.

PLTW - BIOMEDICAL INNOVATIONS - BLENDED Capstone Course

VSCIB0499A1 = SEM 1

VSCIB0499B2 = SEM 2

Grades: 12 Senior Standing Only

Prerequisite: Completion of or concurrent enrollment of PBS, HBS, and MI Or consent of Global Academy Advisor.

Credit: 1.0, Year-long Science elective credit

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

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AP RESEARCH - BLENDED

VINTB400A1

VINTB400B2

Grades: 12 **Prerequisite:** AP Seminar

Credit: 1.0, Year Course; Content-area credit dependent on research topic

Fees: \$110 AP test fee

NOTE: We highly recommend students attend AP Research Boot Camp.

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

AP Research is the second course in the AP Capstone program, which builds upon the QUEST inquiry framework from AP Seminar. Students will explore an academic topic, problem, issue, or idea based on their own individual interest and then design, plan, and implement a year-long investigation to address their research question. Using ethical research practices, students will further their skills in research methodology and accessing, analyzing, and synthesizing information. Students will reflect on their research processes and create a process and reflection portfolio of their scholarly work. The course culminates in an academic paper and a presentation with an oral defense. AP Research is the second class in the AP Capstone Diploma Program. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate.





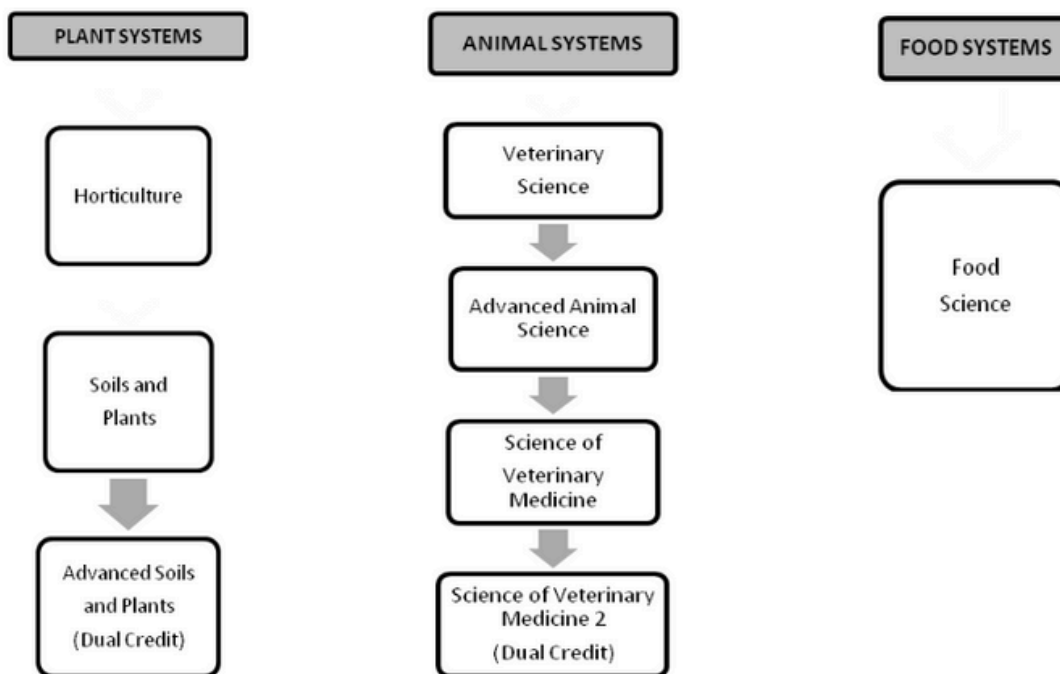
Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a **YOUTH APPRENTICESHIP** in one of the following program areas:

- **Science, Math, Engineering & Technology (STEM) - Biotechnology**

These rigorous one- or two-year programs include pathways for:
Bioscience Lab Foundations, Bioscience Applications

Please refer to the "Youth Apprenticeship" section in the course guide for more information on this work based learning opportunity.

Agriculture Courses that Count for Science Credit



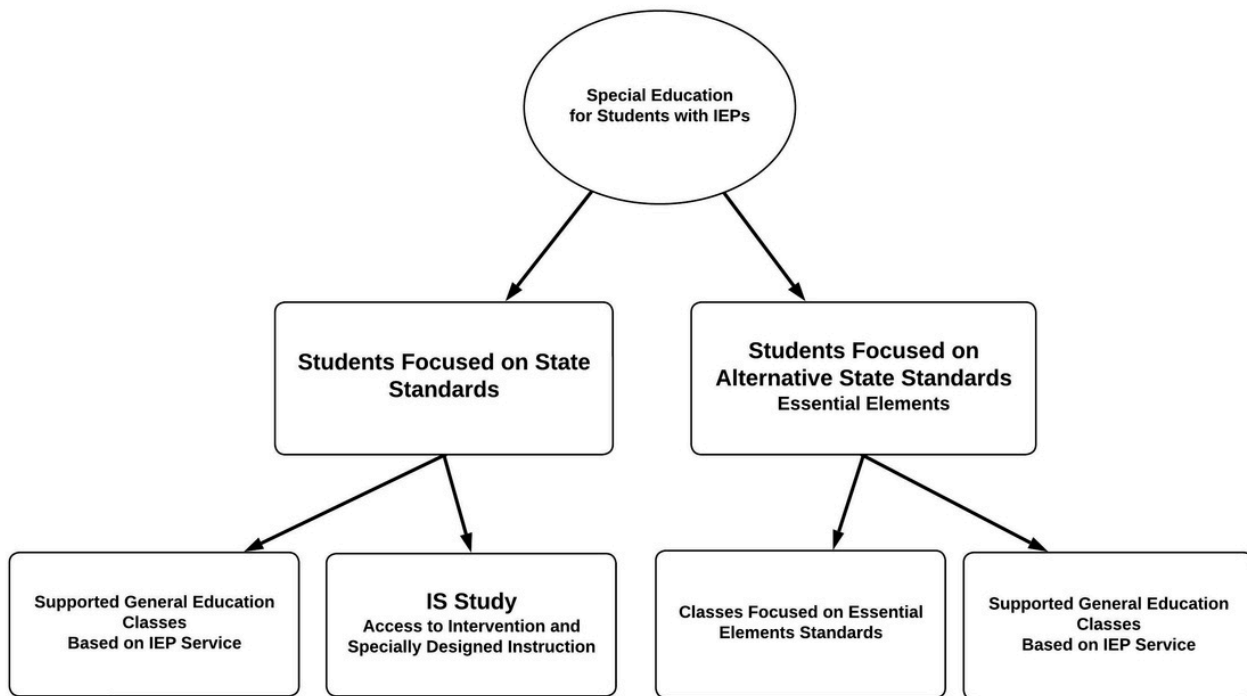
All Agriculture courses listed above are .5 credits and only 1 semester long

Dual Credit courses are run through Madison College

The UW System requires students to have 2 credits of Science in Biology and Chemistry and/or Physics in order to count these Agriculture classes as science credit



Special Education Department Pathways



Pathways might look different based on students' needs and IEP team decisions.



COURSE TITLE	COURSE NUMBER	GRADES
<u>IS Study Support</u>	VSPE0101A1 - Sem 1 VSPE0101A2 - Sem 2	9, 10, 11, 12
<u>English 1 for Essential Elements</u>	VSPE0131A1 - Sem 1 VSPE0131B2 - Sem 2	9, 10, 11, 12
<u>English 2 for Essential Elements</u>	VSPE0132A1 - Sem 1 VSPE0132B2 - Sem 2	9, 10, 11, 12
<u>Foundations of Reading</u>	VSPE0102A1 - Sem 1 VSPE0102B2 - Sem 2	9, 10, 11, 12
<u>Social Studies 1 for Essential Elements</u>	VSPE0141A1 - Sem 1 VSPE0141B2 - Sem 2	9, 10, 11, 12
<u>Social Studies 2 for Essential Elements</u>	VSPE0146A1 - Sem 1 VSPE0146B2 - Sem 2	9, 10, 11, 12
<u>Math 1 for Essential Elements</u>	VSPE0202A1 - Sem 1 VSPE0202B2 - Sem 2	9, 10, 11, 12
<u>Math 2 for Essential Elements</u>	VSPE0207A1 - Sem 1 VSPE0207B2 - Sem 2	9, 10, 11, 12
<u>Foundations of Math</u>	VSPE0103A1 - Sem 1 VSPE0103B2 - Sem 2	9, 10, 11, 12
<u>IS Health Education</u>	VSPE0300A0	9, 10, 11, 12
<u>Working and Living Independently</u>	VSPE0800A0	9, 10, 11, 12



IS STUDY SUPPORT

VSPE0101A1 = Sem 1

VSPE0101A2 = Sem 2

Grades: 9, 10, 11, 12 **Prerequisites:** None

Credit: 1.0, Year Course

Recommendation of the IEP Team for delivery of Specially Designed Instruction (SDI). Approval from Special Education Administration is required to register for this course.

ENGLISH 1 FOR ESSENTIAL ELEMENTS

VSPE0131A1 = SEM 1

VSPE0131B2 = SEM 2

Grades: 9, 10, 11, 12 **Prerequisites:** None

Credit: 1.0, Year Course

This course is designed for students with an Individualized Education Program (IEP) who follow the Essential Elements, Wisconsin's alternate academic achievement standards aligned with the Wisconsin Academic Standards. The course utilizes curriculum aligned to Essential Element standards to strengthen foundational skills in reading and writing. Students will engage in activities focusing on vocabulary development, reading aloud, text comprehension, and identifying main ideas with supporting details. Additionally, they will work on sequencing text events, responding to short answer questions, and answering "wh" questions (who, what, where, when, why). This course provides a structured environment to support student growth in essential literacy skills. Approval from Special Education Administration is required for registration.

ENGLISH 2 FOR ESSENTIAL ELEMENTS

VSPE0132A1 = SEM 1

VSPE0132B2 = SEM 2

Grades: 9, 10, 11, 12 **Prerequisites:** None

Credit: 1.0, Year Course

This course is designed for students with an Individualized Education Program (IEP) who follow the Essential Elements, Wisconsin's alternate academic achievement standards aligned with the Wisconsin Academic Standards. The course utilizes a curriculum aligned to Essential Element standards to continue strengthening foundational skills in reading and writing that can transition into the general education environment. Approval from Special Education Administration is required for registration.

FOUNDATIONS OF READING

VSPE0102A1 = SEM 1

VSPE0102B2 = SEM 2

Grades: 9-12 **Prerequisites:** Referral via IEP Team and consent of Reading Teacher

Credit: 0.5 Semester, 1.0, Year Course

This course blends personalized online learning with teacher-directed instruction to reinforce foundational literacy skills in the areas of phonemic awareness, phonics, fluency, vocabulary, grammar, comprehension, and writing. Students will develop strategic word recognition and language comprehension skills through a comprehensive curriculum designed to propel readers toward grade-level proficiency. Students will be enrolled in this course based on their reading scores and consent of the Reading Teacher.



SOCIAL STUDIES 1 FOR ESSENTIAL ELEMENTS

VSPE0141A1 = SEM 1

VSPE0141B2 = SEM 2

Grades: 9-12 **Prerequisites:** None

Credit: 1.0, Year Course

This course is designed for students with an Individualized Education Program (IEP) who follow the Essential Elements, Wisconsin's alternate academic achievement standards aligned with the Wisconsin Academic Standards. The course utilizes a curriculum aligned to Essential Element standards to strengthen foundational social studies skills. The course builds foundational skills in U.S. and global history, empowering students to succeed in school and community environments. This course fosters an understanding of social, historical, and civic concepts, supporting students' growth as informed individuals in society. Approval from Special Education Administration is required for registration.

SOCIAL STUDIES 2 FOR ESSENTIAL ELEMENTS

VSPE0146A1 = SEM 1

VSPE0146B2 = SEM 2

Grades: 9-12 **Prerequisites:** None

Credit: 1.0, Year Course

This course is designed for students with an Individualized Education Program (IEP) who follow the Essential Elements, Wisconsin's alternate academic achievement standards aligned with the Wisconsin Academic Standards. The course utilizes a curriculum aligned to Essential Element standards to strengthen foundational social studies skills. The course continues to build on foundational social studies skills to help students succeed in school and community environments. The course fosters an understanding of social, historical, and civic concepts, supporting students' growth as informed individuals in society. Approval from Special Education Administration is required to register for this course.

MATH 1 FOR ESSENTIAL ELEMENTS

VSPE0202A1 = SEM 1

VSPE0202B2 = SEM 2

Grades: 9-12 **Prerequisites:** None

Credit: 1.0, Year Course

This course is designed for students with an Individualized Education Program (IEP) who follow the Essential Elements, Wisconsin's alternate academic achievement standards aligned with the Wisconsin Academic Standards. The course utilizes a curriculum aligned to Essential Element standards to strengthen foundational skills in Math. Students will engage in activities to strengthen these core operations and explore practical math skills, including telling time, understanding money, and basic measurement concepts. The curriculum is designed to foster confidence in essential math abilities and support students' growth in functional numeracy skills. Approval from Special Education Administration is required to register for this course.



MATH 2 FOR ESSENTIAL ELEMENTS

VSPE0207A1 = SEM 1

VSPE0207B2 = SEM 2

Grades: 9-12

Prerequisites: None

Credit: 1.0, Year Course

This course is designed for students with an Individualized Education Program (IEP) who follow the Essential Elements, Wisconsin's alternate academic achievement standards aligned with the Wisconsin Academic Standards. The course utilizes a curriculum aligned to Essential Element standards to strengthen functional skills in Math. This course focuses on functional math concepts that students will use in everyday life, including money identification, adding and subtracting money, budgeting, and understanding the difference between wants and needs. Students will also practice the "dollar up" method for making purchases, learn to measure various items, and develop skills in reading and managing time. Through practical exercises and problem-solving tasks, students will apply these skills to real-world scenarios, building confidence and independence in their daily lives. Approval from Special Education Administration is required to register for this course.

FOUNDATIONS OF MATH

VSPE0103A1 = SEM 1

VSPE0103B2 = SEM 2

Grades: 9-12

Prerequisites: None

Credit: 1.0, Year Course

This course is designed for students working on the Wisconsin Academic Standards who require specially designed instruction (SDI) in Math Intervention. Emphasizing key pre-algebra skills, the course covers integers, equations, inequalities, graphing, and functions, preparing students for success in Algebra 1. Students will also continue to strengthen functional math skills aligned with their Individualized Education Program (IEP) goals. This course provides a supportive environment focused on both academic growth and practical application of math skills. Approval from Special Education Administration is required to register for this course.



IS HEALTH EDUCATION

VSPE0300AO

Grades: 9, 11

Prerequisites: None

Credit: .5, Half Year Course

Designed for students who have an IEP and follow the Essential Elements, the alternate academic achievement standards that are aligned to the Wisconsin Academic Standards. Topics include social and emotional health, healthy relationships, body language, positive coping strategies, growth mindset, building healthy habits, nutrition, and the human body anatomy. Approval from Special Education Administration is required to register for this course.

WORKING AND LIVING INDEPENDENTLY

VSPE0800AO

Grades: 9, 10, 11, 12

Prerequisites: See below*

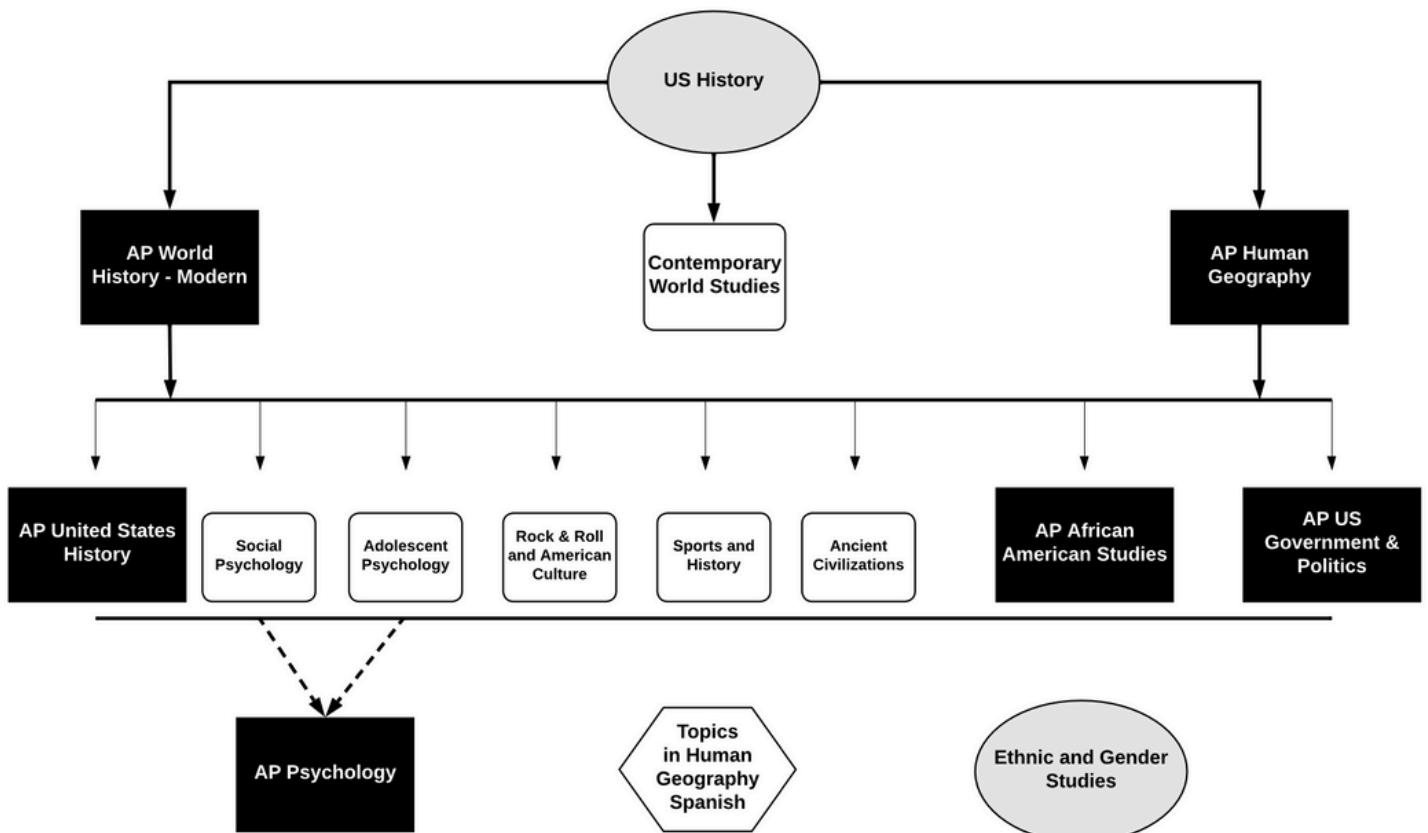
Credit: 1.0, Year Course

This course is designed for high school students with IEPs to build essential skills for independence and successful transition into adulthood. Students will learn practical life skills such as budgeting, cooking, time management, and personal safety, alongside workplace skills like communication, teamwork, and task management. Through hands-on activities and school-based experiences, students will gain confidence in managing day-to-day responsibilities and exploring career interests. The course fosters independence, self-advocacy, and problem-solving skills, empowering students to make informed decisions about their personal and professional lives.

*The student must be in special education and the course enrollment needs to be discussed between the teacher and the student's special education case manager.



Social Studies Course Pathways



- = Social Studies Courses open to **ALL STUDENTS**
- = Social Studies **CAPSTONE COURSES**



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>United States History</u>	VSOC0100A1 - Sem 1 VSOC0100B2 - Sem 2	9	None	Year-long 1
<u>English Learners - US History</u>	VELL0105A1 - Sem 1 VELL0105B2 - Sem 2	9-12	Recent arrival to the United States by Teacher Recommendation	Year-long 1
<u>Contemporary World Studies</u>	VSOC0201A1 - Sem 1 VSOC0201B2 - Sem 2	10	None	Year-long 1
<u>Ethnic and Gender Studies</u>	VSOC0106A0	9-12	None	Semester .5
<u>Social Psychology</u>	VSOC0306A0	11, 12	None	Semester .5
<u>Social Psychology - Blended</u>	VSOCB306A0	11, 12	None	Semester .5
<u>Topics in Human Geography - Spanish</u>	VSOC0320A0	11	TWI Student	Semester .5
<u>Ancient Civilizations</u>	VSOC0312A0	11, 12	None	Semester .5
<u>Ancient Civilizations - Blended</u>	VSOCB312A0	11, 12	None	Semester .5
<u>Psychological Foundations of the Adolescent</u>	VSOC0330A0	11, 12	None	Semester .5
<u>Psychological Foundations of the Adolescent - Blended</u>	VSOCB330A0	11, 12	None	Semester .5



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Rock and Roll Society and American Culture</u>	VSOC0342A0	11, 12	None	Semester .5
<u>Rock and Roll Society and American Culture - Blended</u>	VSOCB342A0	11, 12	None	Semester .5
<u>Sports & History</u>	VSOC0348A0	11, 12	None	Semester .5
<u>Sports & History - Blended</u>	VSOCB348A0	11, 12	None	Semester .5
<u>AP Psychology</u>	VSOC0430A1 - Sem1 VSOC0430B2 - Sem2	12	Adolescent and/or Social Psychology	Year-long 1
<u>AP US History</u>	VSOC0412A1 - Sem1 VSOC0412B2 - Sem2	11, 12	9th and 10th grade social studies	Year-long 1
<u>AP World History - Modern</u>	VSOC0420A1 - Sem1 VSOC0420B2 - Sem2	10-12	9th grade social studies	Year-long 1
<u>AP African American Studies-Blended</u>	VSOC0425A1 - Sem 1 VSOC0425B2 - Sem 2	11, 12	None	Year-long 1
<u>AP Human Geography</u>	VSOC0400A1 - Sem1 VSOC0400B2 - Sem2	10-12	9th Grade Social Studies	Year-long 1
<u>AP United States Government and Politics</u>	VSOC410A1 - Sem1 VSOC410B2 - Sem2	11-12	None	Year-long 1
<u>AP Seminar - Blended</u>	VINTB300A1 - Sem1 VINTB300B2 - Sem2	11, 12	None	Year-long 1
<u>AP Research - Blended</u>	VINTB400A1 - Sem1 VINTB400B2 - Sem2	12	AP Seminar	Year-long 1

UNITED STATES HISTORY

VSOC0100A1 = SEM 1

VSOC0100B2 = SEM 2

Grades: 9 **Prerequisites:** None

Credit: 1.0, Year Course

Note: This is a required course.

Part of the 9th grade program that seeks to transition freshmen to high school, U.S. History will use daily classwork and homework, projects, quizzes, tests, and writing to examine U.S. History from the end of the 19th Century to the end of the 20th Century. U.S. History will ask students to synthesize knowledge to provide a more complex understanding of history. Reading and literacy skills will also be emphasized.



ENGLISH LEARNERS - UNITED STATES HISTORY

VELL0105A1 = SEM 1

VELL0105B2 = SEM 2

Grades: 9-12 **Prerequisites:** Recent arrival to the United States by Teacher Recommendation

Credit: 1.0, Year Course

Note: This is a required course.

This course is specially designed to examine U.S. History from the end of the 19th Century to the end of the 20th Century. U.S. History will ask students to synthesize knowledge to provide a more complex understanding of history. While learning social studies skills and content, students also will focus on developing the four domains of language in English, including listening, reading, writing and speaking.

CONTEMPORARY WORLD STUDIES

VSOC0201A1 = SEM 1

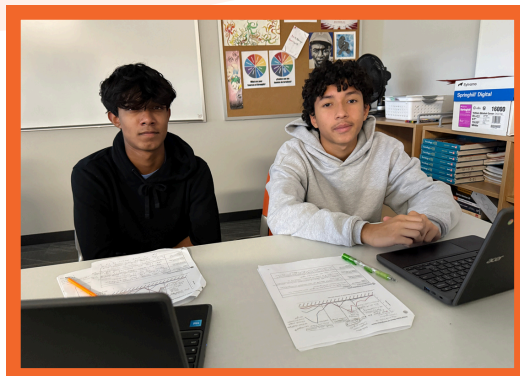
VSOC0201B2 = SEM 2

Grades: 10 **Prerequisites:** None

Credit: 1.0, Year Course

Note: This is a required course.

This Contemporary World Studies course introduces students to critical global issues and foundational geographic skills, such as map reading and spatial analysis. The course explores diverse topics, including culture, migration, and religion, through the lens of the Universal Declaration of Human Rights, encouraging students to examine the rights and freedoms that shape societies. Students will also investigate political systems and structures, learning how states are formed, the challenges nations face, and the factors that drive conflict and cooperation. Finally, the course delves into pressing economic issues, such as regional development, the influence of industries like fast fashion, and the broader impacts of these topics on society. Through these units, students will gain a comprehensive understanding of the complexities of our interconnected world.



ETHNIC AND GENDER STUDIES

VSOC0106A0

Grades: 9-12 **Prerequisites:** None

Credit: .5, Semester Course

This course is a study centered on the knowledge and perspectives of an ethnic, racial or marginalized group, reflecting narratives and points of view rooted in that group's lived experiences and intellectual scholarship. It intentionally includes historically marginalized communities and students in multicultural American curriculum, supporting cross-cultural communication. The main goal is to develop the critical consciousness of our students so that they learn how to think for themselves in the society that we live in. The course will also address the intersectionality of race, gender, class, and economics while guiding students in exploring their own identities and understanding the identities of others. Ethnic and Gender Studies courses have a positive impact on all students. Students in this class might pursue the following Career Clusters: Education and Training, the Arts, Government and Public Administration, Law, Public Safety, and potential Career Pathway(s): Teaching field, journalism, criminal justice system, tourism and hospitality, public health disparities, etc.



SOCIAL PSYCHOLOGY

VSOC0306A0

Grades: 11,12 **Prerequisites:** None

Credit: .5, Semester Course

Social Psychology examines elements of the self and others. First quarter focuses on self-concept, self-esteem, and self-presentation as well as issues that impact many adolescents in their search for self. We examine gender identity and messages in society that impact identity development. Second quarter focuses on perception of groups by looking at the psychology of prejudice and hate as it relates to various groups in American society. Topics include, but are not limited to: majority privilege, microaggressions, race and ethnicity, sexual orientation, gender, ability and disability, religion, and socioeconomic status. This class relies heavily on discussion and participation as well as project based assessments. There are no traditional tests in this class nor a textbook. We use current events and issues to take a very critical look at the world we live in and how that influences us on an individual level. Psychological thinking underlies all human behavior, so knowledge of psychology can be helpful to all individuals regardless of career path. While not a necessary prerequisite, it is recommended that this class and/or Adolescent Psychology be taken as a foundation to AP Psychology in order to build the unique psychological thinking, reading, and writing skills needed to get the most out of your AP Psychology experience.

SOCIAL PSYCHOLOGY - BLENDED

VSOCB306A0

Grades: 11,12 **Prerequisites:** None

Credit: .5, Semester Course

Social Psychology - Blended is the exact same content and class as the non-blended class. The only difference is that project work days are blended. There are between 6-8 workdays which would allow you to work off site. Taking this course as blended simply allows flexibility in use of your work days.

See course description for non-blended course. More info on blended courses can be found on page 26.



TOPICS IN HUMAN GEOGRAPHY- SPANISH

VSOC0320A0

Grades: 12 **Prerequisites:** TWI Student

Credit: .5, Semester Course

This course is open to students in the TWI program and heritage speakers alike. It offers a pathway to explore the interconnectedness between people and their environments, providing an understanding of the forces that shape our global community. This course will examine how human populations adapt, innovate, and interact within their surroundings. Key topics may include: Cultural Diversity and Identity, Urbanization and Cities, Industrialization, Migration and Mobility, Population and Migration, Environmental Sustainability, Technology and Globalization. Students will have some input into topic selection. Through thought-provoking discussions and hands-on projects, students will be inspired to think globally and act locally, making meaningful connections between their own lives and the broader world around them.

ANCIENT CIVILIZATIONS

VSOC0312A0

Grades: 11,12 **Prerequisites:** None

Credit: .5, Semester Course

Ancient Civilizations is a course designed to take learners back to the earliest civilizations in order to learn about culture, society, history, politics, and economics of the ancient world. We will constantly learn about the past as it relates to what we are experiencing in the present. Students will engage in exciting simulations where they attempt to build the greatest empire, experience the thrill of participating in an ancient Greek Olympics, and learn about ancient philosophies that try to help people make sense of the world they lived in and the world we live in today. The class offers many learning opportunities and student choice projects. The course is engaging and allows students to learn in many different ways.

ANCIENT CIVILIZATIONS- BLENDED

VSOCB312A0

Grades: 11,12 **Prerequisites:** None

Credit: .5, Semester Course

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.

PSYCHOLOGICAL FOUNDATIONS OF THE ADOLESCENT

VSOC0330A0

Grades: 11,12 **Prerequisites:** None

Credit: .5, Semester Course

Psychological Foundations of the Adolescent (also called Adolescent Psychology) is a semester-long course for all students who are interested in applying psychology to situations in their everyday life. This course will help students understand the relationship between their emotional lives and their stress & coping patterns. Students will also learn how to live a fulfilling life using positive psychology concepts and how memory can improve their learning to help them be a more successful student. Lastly, students will learn how they can cultivate healthy relationships in their lives. While it is not a necessary prerequisite, it is recommended that this class and/or Social Psychology be taken as a foundation to AP Psychology in order to build the unique psychological thinking, reading, and writing skills needed to have a successful AP Psychology experience.



PSYCHOLOGICAL FOUNDATIONS OF THE ADOLESCENT - BLENDED

VSOCB0330A0

Grades: 11,12 **Prerequisites:** None

Credit: .5, Semester Course

Psychological Foundations of the Adolescent-Blended is the exact same content and class as the non-blended class. The only difference is that project work days are blended. There are between 6-8 workdays which would allow you to work off site. Taking this course as blended simply allows flexibility in use of your work days.

See course description for non-blended course. More info on blended courses can be found on page 26.

ROCK AND ROLL SOCIETY AND AMERICAN CULTURE

VSOC0342A0

Grades: 11, 12 **Prerequisites:** None

Credit: .5, Semester Course

Learners in this course will explore the history of popular music (rock, rap, hip-hop, reggaeton for a few examples) in the United States and how it relates to society, culture, and historical events. In general, learners will make connections between popular music and historical events of the mid 20th century to today.

The course will provide a multicultural perspective and include a diversity focused curriculum taking into account the rich cultural layers of the United States (multicultural, gender, sexual orientation, and age-diversity to mention a few). Furthermore, the course will connect learning to technology. Learners will be diving into computers for all possible connections—from YouTube to iTunes, Garageband, and more. Learners will also make connections to literacy standards through study of historical text and lyric analysis. The course will explore themes of “Youth Culture,” “Demographic Shifts”, “Economic Impact of Rock,” “Technological Innovations in Music.” Students will read, engage in projects, write about music and U.S History, and participate in discussions. We will take two exciting field trips to a group of Radio Stations & a trip to The Sylvee Music venue to explore possible jobs within the music industry. I will have some headphones to share--but a set of headphones is useful for this class! Projects will be student choice driven. There will be interviews also from people in the music industry so students may explore possible careers in the music industry.



ROCK AND ROLL SOCIETY AND AMERICAN CULTURE - BLENDED VSOCB342A0

Grades: 11, 12 **Prerequisites:** None

Credit: .5, Semester Course

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings. Learners in this course will explore the history of popular music (rock, rap, hip-hop, reggaeton for a few example) in the United States and how it relates to society, culture, and historical events. In general, learners will make connections between popular music and historical events of the mid-20th century to today.

See course description for non-blended course. More info on blended courses can be found on page 26.

SPORTS & HISTORY VSOC0348A0

Grades: 11, 12 **Prerequisites:** None

Credit: .5, Semester Course

This course examines the place sports hold in American life during the 20th and 21st centuries. It focuses on sports as a reflection of our social, political, and economic make-up and its ability to affect and shape our institutions. Particular attention will be given to social class, race and ethnicity, gender, and the media. It will look at how sports have impacted history and how history has impacted sports. Although its focus will primarily be about American sports, it will have a global perspective as well from time to time. Units of study will include: baseball, football, basketball, the Olympics, soccer, college sports, and a personalized project unit.

SPORTS & HISTORY - BLENDED VSOCB348A0

Grades: 11, 12 **Prerequisites:** None

Credit: .5, Semester Course

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

See course description for non-blended course. More info on blended courses can be found on page 26.

AP PSYCHOLOGY

VSOC0430A1 = SEM 1

VSOC0430B2 = SEM 2

Grades: 12

Prerequisites: It is strongly recommended that Adolescent and/or Social Psychology be taken prior to AP Psychology in order to build the unique psychological thinking, reading, and writing skills needed to get the most out of your AP Psychology experience.

Credit: 1.0, Year Course

Note: This class encourages completion of summer bootcamp to get ahead on content and refine skills

This college-level introductory survey course is designed to take the highly motivated psychology student further into the systematic and scientific study of behavioral and mental processes. Students will learn the major core concepts and theories of psychology while examining research methods and ethical standards. Other topics include: the brain and overall nervous system, sensation and perception, learning and conditioning, memory, states of consciousness, psychological disorders and therapies, personality theory, social and developmental psychology and more! Detailed discussion, lecture, formal and informal writing, quizzes and tests will all be used to assess student progress. Topics are mature in nature and are taught with the college level student in mind. This is a college level class with a college level test in May, with the chance to earn college credit.

AP US HISTORY

VSOC0412A1 = SEM 1

VSOC0412B2 = SEM 2

Grades: 11,12

Prerequisites: Success in passing 9th and 10th grade social studies courses (Students can also consult their 9th and 10th grade social studies teachers or the AP teacher to help inform their decision.)

Credit: 1.0, Year Course

NOTE: We highly recommend students attend AP U.S. History Boot Camp.

Advanced Placement US History is a year-long course addressing major themes in the history of the United States from early Indigenous Nations through the present day. Course content includes traditional political and economic history with a strong focus on social history - the lives of everyday people in the context of the historical time period. The course is a reading-intensive introductory college-level course focusing on analyzing the historical themes through primary and secondary source analysis. This college-level class prepares students to take the AP US History exam in May; students who do well on the AP test can typically earn 3-6 college credits.

AP WORLD HISTORY - MODERN

VSOC0420A1 = SEM 1

VSOC0420B2 = SEM B

Grades: 10*-12 (*Students interested in taking this class as a 10th grader should speak to their teachers or the AP teacher to help inform their decision.)

Prerequisites: This class involves college level reading and successful completion of 9th grade Social Studies

Credit: 1.0, Year Course

AP World History is designed to prepare students for college-level history classes. It covers the time period of 1200 to the present and looks at all regions of the world over this time span. AP World History focuses on “the big picture” as it analyzes different economic, social, and political structures. Students will work on higher-order thinking, analytical reading, effective discussion, and argumentative writing throughout the year.



AP AFRICAN AMERICAN STUDIES - BLENDED

VSOC0425A1 = SEM 1

VSOC0425B2 = SEM B

Grades: 11-12

Prerequisites: None

Credit: 1.0, Year Course

AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through historical sources using historical, literary, visual, and data analysis skills. The course content explores key topics from early African kingdoms to the ongoing challenges and achievements of the contemporary movement within Black communities in the United States. The course is a reading and writing intensive course with discussion-based activities; students should be prepared to engage in a focused discussion of ideas as they express informed opinions and perspectives. The AP Score will be determined by an AP exam and an Individual Student Project. AP African American Studies is a blended course, which gives students the opportunity to engage in independent research for their Individual Student Project and the Further Explorations portion of the course.



AP HUMAN GEOGRAPHY

VSOC0400A1 = SEM 1

VSOC0400B2 = SEM 2

Grades: 10-12

Prerequisites: This class involves college level reading and successful completion of 9th grade Social Studies. (Students can also consult their social studies teachers or the AP teacher to help inform their decision.)

Credit: 1.0, Year Course

Advanced Placement Human Geography is an introductory college level course designed to introduce students to the systematic study of the earth and its inhabitants. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The course covers seven units: the geographic perspective; population; cultural patterns and processes; political organizations of space; agriculture and rural land use; industrialization and economic development; and cities and urban land use. The cross curricular nature of the topics covered in AP Human Geography make it a good foundational course for a variety of academic pursuits. Students will practice spatial thinking, analytical reading, class and small group discussion, evidence based conclusions, and free response writing throughout the year.

AP UNITED STATES GOVERNMENT AND POLITICS

VSOC410A1 = SEM 1

VSOC410B2 = SEM 2

Grades: 11-12

Prerequisites: None

Credit: 1.0, Year Course

AP United States Government and Politics is a college level course that gives students an understanding of the foundations of government, civil rights, and how to disrupt systems of inequity through civic engagement. Students will examine contemporary issues and how the United States government either successfully or unsuccessfully addresses those issues through the political process. The end result is that students will have the knowledge and skills needed to engage with their political system and earn college credit. Note: During election years students will follow and analyze political campaigns to analyze political ideologies, beliefs, and participation.



AP SEMINAR - BLENDED

VINTB300A1

VINTB300B2

Grades: 11,12 **Prerequisite:** None

Credit: 1.0, Year Course, Science or Social Studies credit dependent on the research topic

NOTE: We highly recommend students attend AP Seminar Boot Camp.

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

AP Seminar, the first course in the AP Capstone experience, equips students with independent research and communication skills and the opportunity to engage in a rewarding collaborative team project. As a class, students will have the opportunity to select real-world issues to investigate from a suggested list (example topics: Environmental Sustainability, Social Activism, Bioethics, Immigration, Privacy in the Information Age, Race Relations in America). Students will analyze these real-world issues through multiple perspectives, using the inquiry framework to gather information to develop evidence-based arguments in written essays and oral and visual presentations. A large portion of the course is discussion-based activity; students should be prepared to engage in a focused discussion of ideas as they express informed opinions and perspectives. AP Seminar is a blended course, which gives students the opportunity to independently research, collaborate with their team, and meet with their instructor. Students will be expected to complete the following AP course requirements: an individual research-based essay & presentation and team project & presentation scored by the AP Seminar teacher and College Board. In addition, there is an end-of-course exam scored by the College Board.

AP Seminar is a required prerequisite for AP Research. The AP Capstone is a diploma program from the College Board; students who earn a 3 or higher in AP Seminar, AP Research, and 4 other AP Exams earn the AP Capstone Diploma. Students who earn a 3 or higher in AP Seminar and AP Research earn the AP Seminar and Research Certificate. Students earning a 3 or higher in AP Seminar may have the opportunity to earn college credit.





AP RESEARCH - BLENDED

VINTB400A1

VINTB400B2

Grades: 12 **Prerequisite:** AP Seminar

Credit: 1.0, Year Course; Content-area credit dependent on research topic

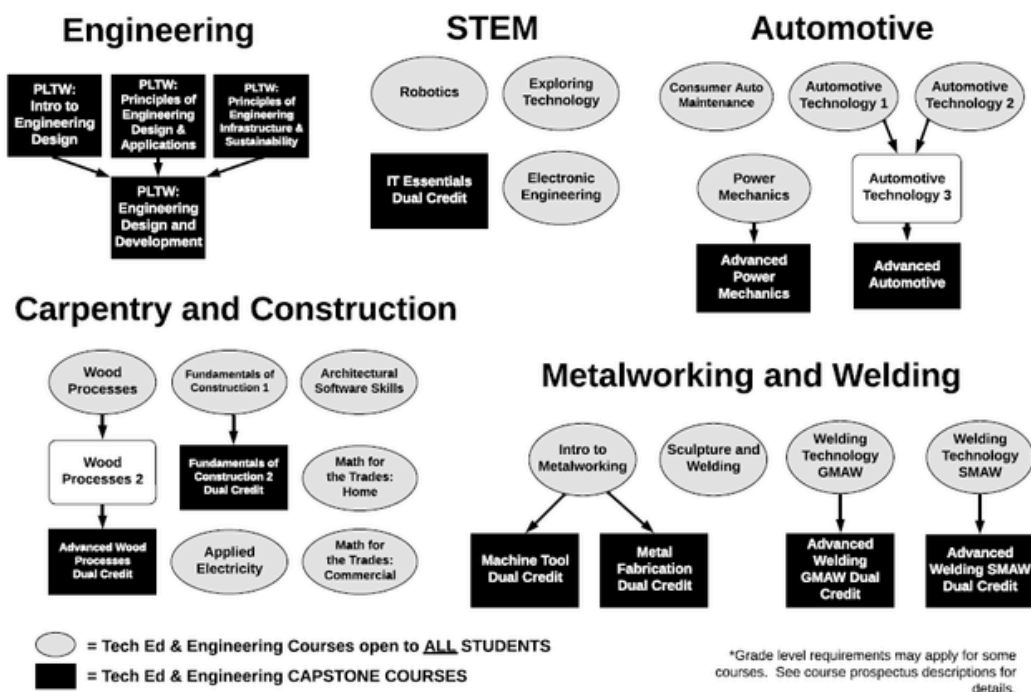
NOTE: We highly recommend students attend AP Research Boot Camp.

This blended learning class adheres to the same curriculum as the traditional class, and students will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the student's classroom teacher and online independent learning requirements. Please see the description of blended learning courses at the beginning of the catalog for more detailed information and a listing of all blended course offerings.

AP Research is the second course in the AP Capstone program, which builds upon the QUEST inquiry framework from AP Seminar. Students will explore an academic topic, problem, issue, or idea based on their own individual interest and then design, plan, and implement a year-long investigation to address their research question. Using ethical research practices, students will further their skills in research methodology and accessing, analyzing, and synthesizing information. Students will reflect on their research processes and create a process and reflection portfolio of their scholarly work. The course culminates in an academic paper and a presentation with an oral defense. AP Research is the second class in the AP Capstone Diploma Program. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate.



Technology Education & Engineering Course Pathways



TECHNOLOGY EDUCATION AND ENGINEERING



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Math for the Trades - Home</u>	VMAT0160A1	10-12	Algebra - Part 2	Semester .5
<u>Math for the Trades - Commercial</u>	VMAT0170B2	10-12	Algebra - Part 2	Semester .5
<u>Exploring Technology</u>	VTEE0100A0	9-12	None	Semester .5
<u>Wood Processes</u>	VTEE0106A0	9-12	None	Semester .5
<u>Wood Processes 2</u>	VTEE0206A0	9-12	Wood Processes 1	Semester .5
<u>Advanced Wood Processes - Dual Credit</u>	VTEE0306A0	10-12	Wood Processes 1 and 2	Semester .5
<u>IT Essentials - Dual Credit</u>	VTEE0312A0	9-12	None	Semester .5
<u>Electronic Engineering</u>	VTEE0124A0	9-12	None	Semester .5
<u>Applied Electricity</u>	VTEE0112A0	9-12	None	Semester .5
<u>Architectural Software Skill</u>	VTEE0120A0	9-12	None	Semester .5
<u>Introduction to Metalworking</u>	VTEE0110A0	9-12	None	Semester .5
<u>Metal Fabrication - Dual Credit</u>	VTEE0158A0	10-12	Intro to Metalworking	Semester .5
<u>Machine Tool - Dual Credit</u>	VTEE0152A1 - Sem1 VTEE0152A2 - Sem2	11, 12	Intro to Metalworking	Year-long 1
<u>Consumer Auto Maintenance</u>	VTEE0146A0	9-12	None	Semester .5



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Automotive Technology I</u>	VTEE0246A0	10-12	None	Semester .5
<u>Automotive Technology II</u>	VTEE0346A0	10-12	None	Semester .5
<u>Automotive Technology III</u>	VTEE0446A1 - Sem1 VTEE0446B2 - Sem2	11, 12	Automotive Technology I or II	Year-long 1
<u>Advanced Automotive</u>	VTEE0546A1 - Sem 1 VTEE0546B2 - Sem 2	12	Auto 3	Year-long 1
<u>Power Mechanics</u>	VTEE0242A0	10-12	None	Semester .5
<u>Advanced Power Mechanics</u>	VTEE0342A0	11, 12	Power Mechanics	Semester .5
<u>Sculpture/Welding</u>	VTEE0248A0	10-12	None	Semester .5
<u>Welding Technology SMAW</u>	VTEE0131A0	9-12	None	Semester .5
<u>Welding Technology GMAW</u>	VTEE0132A0	9-12	None	Semester .5
<u>Advanced Welding SMAW - Dual Credit</u>	VTEE0231A1 - Sem 1 VTEE0231B2 - Sem 2	11-12	Welding Technology SMAW	Year-long 1
<u>Advanced Welding GMAW - Dual Credit</u>	VTEE0232A1 - Sem 1 VTEE0232B2 - Sem 2	11-12	Welding Technology GMAW	Year-long 1
<u>Robotics</u>	VTEE0136A1	9-12	None	Semester .5
<u>Fundamentals of Construction 1 - Dual Credit</u>	VTEE0237A0	10-12	None	Semester .5
<u>Fundamentals of Construction 2 - Dual Credit</u>	VTEE0337A0	10-12	None	Semester .5
<u>PLTW - Intro to Eng. & Design - Dual Credit</u>	VTEE0198A0	9-12	None	Semester .5
<u>PLTW - Principles of Engineering - Design & Applications</u>	VTEE0298A1	10-12	None	Semester .5
<u>PLTW - Principles of Engineering - Infrastructure & Sustainability</u>	VTEE0298B2	10-12	None	Semester .5
<u>PLTW - Engineering Design & Development</u>	VTEE0499A1 - Sem1 VTEE0499B2 - Sem2	11-12	One prior PLTW engineering course (POE, IED)	Year-long 1

MATH FOR THE TRADES - HOME

VMAT0160A1

Grades: 10-12 **Prerequisites:** Algebra – Part 2

Credit: .5, Semester

Fees and Requirements: Scientific Calculator

Math for the Trades - Home is a course that integrates technical-based mathematics skills, along with project-based learning. Students will be offered instruction that offers applicable mathematics for technical and trades-related careers. In addition, students will gain exposure to the educational and training aspects of careers that they are interested in pursuing. Units in the course include the following:

- Measurement - emphasis on unit conversion, fractions, decimals, percentages, measurement tolerance
- Blueprints - reading and interpreting blueprints, proportions, scaling, geometric transformations
- Career Clusters - career research, education and technical training research, personal finance and budget computations for running a small business
- Computer aided drafting- creating technical drawing and plans
- Construction basics- applying geometry and trigonometry to hands on projects

MATH FOR THE TRADES - COMMERCIAL

VMAT0170B2

Grades: 10-12 **Prerequisites:** Algebra – Part 2

Credit: .5, Semester

Fees and Requirements: Scientific Calculator

Math for the Trades - Part 2 is a course that integrates technical-based mathematics skills, along with project-based learning. Students will be offered instruction that offers applicable mathematics for a technical and trades-related careers. In addition, students will gain exposure to the educational and training aspects of careers that they are interested in pursuing. Completion of Math for the Trades - Home is not required in order to sign up for Math for the Trades - Commercial. Units in the course include the following:

- Career Cluster Revisited - mathematics overview for specific industries
- Intro to Computer Programming - introduction to conditional, Boolean, and logic statements
- Introduction to Physics - force, motion, energy
- Basic electricity- principles of electricity, home wiring, Ohm's Law, Kirchhoff's Laws
- Properties of Heating and Cooling - heat loss and retention of residential buildings, HVAC properties, and thermodynamics.

EXPLORING TECHNOLOGY

VTEE0100A0

Grades: 9-12 **Prerequisites:** None

Credit: .5, Semester Course

Exploring Technology is a semester-long course devoted to technology and the impact it has on our lives today and in the future. While studying the areas of Transportation, Communications, Construction, and Manufacturing, students will build prototypes, design and construct buildings, test boat designs, communicate with machines using technology, study manufacturing, use computer simulations, and participate in many other exciting learning activities which are too numerous to list here. Students will be using a textbook, computer resources and hands-on activities. Because of its broad and foundational nature, this course is good for a wide variety of career clusters.



WOOD PROCESSES

VTEE0106AO

Grades: 9-12 **Prerequisites:** None

Credit: .5, Semester Course

Wood Processes will introduce students to the various woodworking machines, processes, and materials used in the woodworking industry. Students will construct a product using mass production or custom production methods. Emphasis will also be placed on safety procedures that must be followed in a shop environment. This course is recommended for those students interested in taking future woodworking and building construction courses. Examples of first projects students will create include: Cutting board, Signs,, Clocks, and Stools. After students complete two of these beginner projects they will be able to move on to a more difficult approved project of their choice. This class is suited for students entering the Architecture and Construction career cluster.



WOOD PROCESSES 2

VTEE0206AO

Grades: 9-12 **Prerequisite:** Wood Processes 1

Credit: .5, Semester

This course will provide students with a review of technical woodworking information and operation of traditional woodworking equipment covered in Wood Processes. Students perform numerous exercises to gain familiarity with the portable power tools and industrial woodworking equipment while expanding their woodworking skills. Units include layout, cabinetmaking, sawing, surfacing, boring, and sanding. Students first project will be a night stand followed by an instructor approved individual project of their choice. This course gives students the opportunity to earn an industry recognized Sawblade Certificate from the Woodworking Career Alliance.

ADVANCED WOOD PROCESSES -DUAL CREDIT (Madison College Credit available to Juniors and Seniors)

VTEE0306AO

Grades: 10-12 **Prerequisite:** Wood Processes 1 and 2

Credit: .5, Semester Course

Fees: Students are responsible for all material costs

Designed for students with a passion for the woodworking trade, the course presents the opportunity for the self-motivated student to advance their woodworking skills. In this course, students will plan and create instructor approved projects. Students are required to complete their own projects and also assist woods 1 and 2 students. This course gives students the opportunity to earn an industry recognized Sawblade Certificate from the Woodworking Career Alliance if they did not earn it in Wood Processes 2. This class may be repeated for credits.

IT ESSENTIALS - DUAL CREDIT

(Madison College Credit available to Juniors and Seniors)

VTEE0312AO

Grades: 9-12 **Prerequisites:** None **Credit:** .5, Semester Course

IT Essentials covers the fundamentals of computer hardware and software as well as advanced concepts. Students who complete this course will be able to describe the internal components of a computer, assembling a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Students will be given the opportunity to take a computer, open it and replace components as needed either to upgrade or repair. No prior knowledge of computers is required. Students will also have the opportunity to earn dual credit with Madison College with a grade of "C" or better. Students will be using an online textbook, computer resources, and with hands-on activities. This course is suited for students entering the Information Technology career cluster.



ELECTRONIC ENGINEERING

VTEE0124A0

Grades: 9-12 **Prerequisites:** None

Credit: .5, Semester Course

Students will explore the field of solid state electronics from transistors/resistors to integrated circuits (computer chips). Emphasis will be placed on understanding the concepts behind circuits, using problem-solving skills to design and build useful devices. This course is designed so students will be comfortable in understanding the use of this technology at the same time gain enough skills to advance if they choose. Examples of projects are: wireless microphones, electronic timer, strobe light, motion detector, door alarm and many more. Students will be using textbook, computer resources, hands-on activities and electronic computer simulations. This class is suited for the Arts, Audio/Video Technology, and Communications; and Science, Technology, Engineering, and Mathematics career clusters.

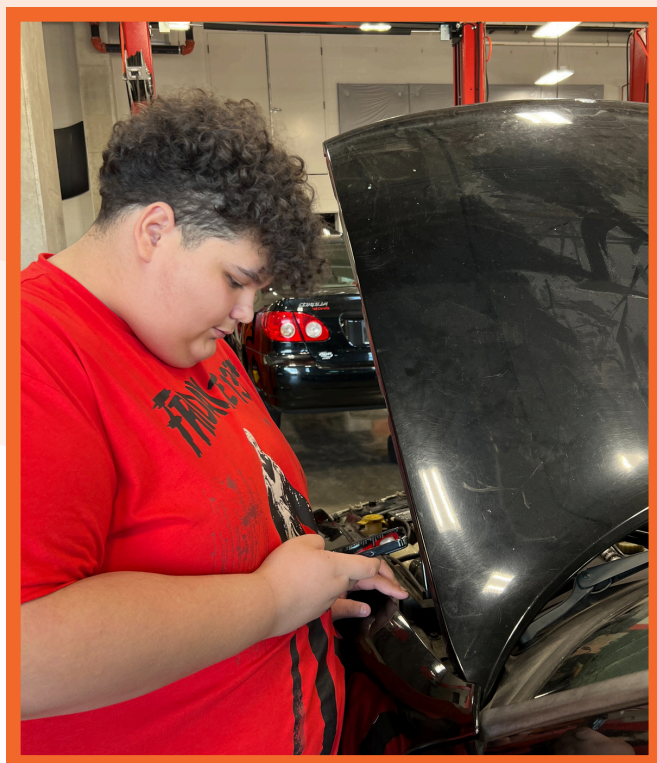
APPLIED ELECTRICITY

VTEE0112A0

Grades: 9-12 **Prerequisites:** None

Credit: .5, Semester Course

This course will include instruction in the technical and practical applications of electricity as it applies to residential electricity, electrical wiring codes, types of wiring, electrical equipment and supplies, safety and electrical protection, and circuit troubleshooting. Students will be provided an opportunity to practice electrical installation skills, circuit wiring, service entrance and panel installation. This class is suited for the Architecture and Construction career cluster.



ARCHITECTURAL SOFTWARE SKILL

VTEE0120AO

Grades: 9-12 **Prerequisites:** None **Credit:** .5, Semester Course

Introduces learners to design thinking by exploring overarching architectural concepts. Course also introduces learners to basic architectural drawing typologies, proper technical drawing conventions, and perceptual and conceptual design drawing techniques. Course uses simple design projects as a framework to achieve outcomes in both structural practices and interior design. Students will read blueprints and design commercial and residential buildings using multiple computer aided drafting and designing software both in 2D and 3D. Some of the software used but not limited to, AutoCad, Revit, Sketchup Pro and so on. This class is suited for the Architecture and Construction career cluster.



INTRODUCTION TO METALWORKING

VTEE0110AO

Grades: 9-12 **Prerequisites:** None **Credit:** .5, Semester Course

This course will introduce students to welding, machining, manufacturing, and fabrication. Students will learn how to safely operate all equipment in the metal shop to complete projects and learn fundamentals of manipulating metals. This class is suited for the Architecture and Construction and Manufacturing career clusters.

METAL FABRICATION - DUAL CREDIT

(Madison College Credit available to Juniors and Seniors)

VTEE0158AO

Grades: 10-12 **Prerequisites:** Intro to Metalworking **Credit:** .5, Semester Course

In Fabrication students will be introduced to the fundamentals of metal cutting and forming. Students will create assemblies from industrial drawings conforming to industry standards. Emphasis will be placed on the safety, basic layout techniques, bending calculations, and operation of manual and mechanical cutting/forming equipment. This class is suited for the Architecture and Construction and Manufacturing career clusters.

MACHINE TOOL - DUAL CREDIT

(Madison College Credit available to Juniors and Seniors)

VTEE0152A1

VTEE0152B2

Grades: 11,12 **Prerequisites:** Intro to Metalworking **Credit:** 1.0 , Year Course

Introduces the basic concepts and skills using engine lathes, power saws, Drill presses and bench applications. Emphasizes safety and proper operation of tools and machines, speeds, feeds, cutting tools, tool geometry, tool grinding and work-holding devices. Stresses dimensional accuracy, finish and quality as well as team-building and work ethics. This class is suited for the Architecture and Construction and Manufacturing career clusters.



CONSUMER AUTO MAINTENANCE VTEE0146A0

Grades: 9-12 **Prerequisites:** None **Credit:** .5, Semester Course

This course is intended to provide you with the knowledge to make economic decisions and take preventative measures to enhance the overall satisfaction of being an automotive consumer. The class discussions and lab activities provide the fundamental knowledge and experience in owning and maintaining an automobile. This course is designed to provide you with the necessary environment and interactions to advance your knowledge and understanding in owning, maintaining, and repairing the automobile. ALL FUTURE AUTO OWNERS ARE ENCOURAGED TO TAKE THIS CLASS. This course is suited for students going into the Agriculture, Food and Natural Resources and Transportation, Distribution and Logistics career clusters.

AUTOMOTIVE TECHNOLOGY I VTEE0246A0

Grades: 10-12 **Prerequisites:** None **Credit:** .5, Semester Course

This class is for students who want to learn about automotive repair and automotive system technology. This class will focus on safety, brakes, steering, suspension, and transmissions. This is a project-based class where students will learn about the components of the system, how, and why it works. Then students will get an opportunity to repair/rebuild the system on an actual vehicle. Students should enjoy problem solving, pay attention to detail, and have a strong interest in mechanics. Recommended for students interested in engineering and in the following career clusters: Agriculture, Food & Natural Resources; Architecture & Construction; Transportation, Distribution, & Logistics; and Science, Technology, Engineering & Mathematics.



AUTOMOTIVE TECHNOLOGY II VTEE0346A0

Grades: 10-12 **Prerequisites:** None **Credit:** .5, Semester Course

This class is for students who want to learn about automotive repair and automotive system technology. This class will focus on safety, electrical systems, air conditioning, fuel systems, engine performance, and diagnostics. This is a project-based class where students will learn about the components of the system, how, and why it works. Then students will get an opportunity to repair/rebuild the system on an actual vehicle. Students should enjoy problem solving, pay attention to detail, and have a strong interest in mechanics. Recommended for students interested in engineering and in the following career clusters: Agriculture, Food & Natural Resources; Architecture & Construction; Transportation, Distribution, & Logistics; and Science, Technology, Engineering & Mathematics.



AUTOMOTIVE TECHNOLOGY III

VTEE0446A1 - SEM 1

VTEE0446B2 - SEM 2

Grades: 11,12

Prerequisites: Automotive Technology I or Automotive Technology II

Credit: 1.0, Year Course

Advanced Automotive is designed to provide students with a basic knowledge of Automotive Technology in the areas of NATEF level MLR / G1 proficiency including Safety, Engine Overhaul, Transmission Overhaul, and Computer Diagnostics. This will be accomplished through the use of text reference sources, online diagnostic manuals, and laboratory activities. Recommended for students interested in engineering and in the following career clusters: Agriculture, Food & Natural Resources; Architecture & Construction; Transportation, Distribution, & Logistics; and Science, Technology, Engineering & Mathematics.

ADVANCED AUTOMOTIVE

VTEE0546A1 Sem 1

VTEE0546B2 Sem 2

Grades: 12

Prerequisites: Automotive Technology III

Credit: 1.0, Year Course

Advanced Automotive is designed to provide students with a basic knowledge of Automotive Technology in the areas of NATEF level MLR / G1 proficiency including Safety, Engine Overhaul, Transmission Overhaul (manual and automatic), and Computer Diagnostics. This will be accomplished through the use of text reference sources, online diagnostic manuals, and laboratory activities.

POWER MECHANICS

VTEE0242A0

Grades: 10-12 **Prerequisites:** None **Credit:** .5, Semester Course

This is a hands-on class for students who want to know how power equipment works. Prior knowledge or experience is not necessary. During class, students work on gas engines, taking them apart and re-assembling them to work better than new! In the process students gain knowledge and familiarity with a variety of tools. This class is useful for all students who like working with their hands and is related to careers in the following career clusters: Agriculture, Food & Natural Resources; Architecture & Construction; Transportation, Distribution, & Logistics, and Science, Technology, Engineering & Mathematics. This course serves as a prerequisite for Advanced Power Mechanics.



ADVANCED POWER MECHANICS

VTEE0248AO

Grades: 11,12 **Prerequisite:** Power Mechanics **Credit:** .5, Semester Course

This class is for students who want more power and efficiency from their engines, more time to develop mechanical improvements, and more research into advanced engine designs. Units will include advanced machining, alternative fuels and lubricants, and independent research. Because the class is primarily project-based, students must be motivated to work independently and in small groups. Students should enjoy solving problems and have a respect for detail as well as a strong interest in mechanics. Recommended for students interested in engineering and in the following career clusters: Agriculture, Food & Natural Resources; Architecture & Construction; Transportation, Distribution, & Logistics; and Science, Technology, Engineering & Mathematics

SCULPTURE/WELDING

VTEE0248AO

Grades: 10-12 **Prerequisites:** None **Credit:** .5, Semester Course

This sculpture class teaches the fundamentals of 3D design and introduces students to welding and basic woodworking skills. This is a class for students who enjoy hands-on craft and appreciate good design. Use of woodworking power tools and a variety of welding techniques are taught, including arc, acetylene, and mig. Students will also explore art and craft in America as it relates to wood and metal working. This course is recommended for students interested in the arts, teaching, and professional design, as well as these career clusters: Architecture & Construction and Arts, A/V Technology & Communications. While this class is recommended for students interested in careers in the arts, teaching, professional design, and audio/video technology and communications, involvement in the arts equips students for success in a broader range of settings as well.

WELDING TECHNOLOGY SMAW

VTEE0131AO

Grades: 9-12 **Prerequisite:** None **Credit:** .5, Semester Course

This SMAW(Stick) welding course introduces students to the fundamentals of Shielded Metal Arc Welding. Students will develop the skills necessary for safe and effective SMAW welding, with a focus on hands-on practice and safety. This class is suited for the Manufacturing and Architecture & Construction career clusters.

WELDING TECHNOLOGY GMAW

VTEE0132AO

Grades: 9-12 **Prerequisites:** None **Credit:** .5, Semester Course

This MIG (Wire Feed) welding course is designed to provide students with a comprehensive understanding of MIG welding processes, techniques, and safety practices. Students will gain hands-on experience through practical exercises and develop the skills necessary for proficient MIG welding. This class is suited for the Manufacturing and Architecture & Construction career clusters.



ADVANCED WELDING TECHNOLOGY SMAW - DUAL CREDIT

VTEE0231A1 = Sem 1

VTEE0231B2 = Sem 2

Grades: 11-12 **Prerequisite:** Welding Technology SMAW **Credit:** 1, Year Course

Students in this course work to develop solid manipulative skills welding many types of mild steel weld joints in the flat and horizontal position using the SMAW process. Competencies are performed using a variety of electrodes and techniques developed for structural steel, pipe and maintenance welding. Theoretical understanding of the SMAW process will be gained through the use of lectures, discussions, reading assignments, visual aids and tests/quizzes. All weld competencies will be evaluated using established American Welding Society (AWS) D1.1 Structural Steel Welding Code inspection criteria.

ADVANCED WELDING TECHNOLOGY GMAW - DUAL CREDIT

VTEE0232A1 = Sem 1

VTEE0232B2 = Sem 2

Grades: 11-12 **Prerequisites:** Welding Technology GMAW **Credit:** 1, Year Course

Students in this Basic Gas Metal Arc and Flux Cored Arc Welding class concentrate on developing solid manipulative skills and a theoretical understanding of the GMAW and FCAW processes. Manual skills will be developed welding a variety of weld joints made of mild steel in the flat and horizontal positions. Theoretical understanding of the GMAW and FCAW welding processes will be gained through lecture, discussions, reading assignments and tests/quizzes. All weld competencies performed using the GMAW process will be performed using the Short Circuit Mode of Metal Transfer. All welding competencies will be evaluated using American Welding Society (AWS) Structural Steel Welding Code visual inspection criteria.

ROBOTICS

VTEE0136A1

Grades: 9-12 **Prerequisites:** None

Credit: .5, Semester Course

Students will build and program a robot to compete in a robotics tournament. Students will work together to apply real world science, technology, engineering and math concepts and develop problem-solving, organizational and team building skills. Students must be able to work well with others to achieve a common goal. Additional time will focus on the engineering process, principles of robotics, and community outreach. Recommended for students interested in engineering and in the following career cluster: Science, Technology, Engineering & Mathematics.

FUNDAMENTALS OF CONSTRUCTION 1 - DUAL CREDIT

(Madison College Credit available to Juniors and Seniors)

VTEE0237A0

Grades: 10-12 **Prerequisites:** None

Credit: .5, Semester Course, semesters do not have to be taken the same year

This course provides an introduction to the identification, safe use, and care of hand and portable power tools. Lab work includes the construction of tool boxes and sawhorses using techniques learned in class as well as other hands-on projects. Students can also complete Fundamentals of Construction 2 to fulfill the Fundamentals of Construction (total 3 credits Madison College) requirement for the Construction & Remodeling Program.

FUNDAMENTALS OF CONSTRUCTION 2 - DUAL CREDIT (Madison College Credit available to Juniors and Seniors)

VTEE0337A0

Grades: 10-12 **Prerequisites:** none

Credit: .5, Semester Course, semesters do not have to be taken the same year

This course provides an introduction to the identification, safe use, and care of hand and portable power tools used primarily on finish carpentry and woodworking. Lab work includes the construction of a cornhole game using techniques learned in class as well as other hands-on projects. You must successfully complete Fundamentals of Construction 1 before taking this course. Both Fundamentals of Construction 1 and 2 are required to fulfill the Fundamentals of Construction (total 3 credits Madison College) requirement for the Construction & Remodeling Program at Madison College.



PLTW - INTRODUCTION TO ENGINEERING & DESIGN - DUAL CREDIT (College Credit eligible upon successful completion of End of Course Exam)

VTEE0199A0 PLTW

Grades: 9-12 **Prerequisite:** None

Credit: .5, Semester Course

Introduction to Engineering Design is a STEM based course that teaches problem-solving skills by using the design development process. The design process is an engineering activity that turns a concept into reality. The design process from concept to solution is a logical sequence of steps to develop the best solution to a specific problem. Models of product solutions are created, analyzed and communicated using solid modeling computer design software.

Units include:

- Student Portfolio Development Model Analysis and Verification
- Sketching and Visualization Presentation
- Geometric Relationships Production

PLTW - PRINCIPLES OF ENGINEERING - DESIGN AND APPLICATIONS VTEE0298A1

Grades: 10-12

Prerequisite: None

Credit: .5, Semester course

This is a STEM class that provides opportunities to act as robotic and mechanical engineers. You will design, calculate, build, and iterate through several activities using the design process. Examples of labs are building and programming robots, exploring artificial intelligence, building simple and compound machines, and engineer a large-scale rube Goldberg device.

PLTW - PRINCIPLES OF ENGINEERING - INFRASTRUCTURE AND SUSTAINABILITY VTEE0298B2

Grades: 10-12

Prerequisite: None

Credit: .5, Semester course

This class provides a STEM point of view of fundamental engineering topics, such as electrical circuits, hydraulic and pneumatic fluid power, and vertical and horizontal motion. Provides opportunities to act as civil, environmental, and transportation engineers. Throughout the unit, you are given several opportunities to apply the engineering design process to your new knowledge.

PLTW - ENGINEERING DESIGN & DEVELOPMENT

VTEE0499A1 = SEM 1

VTEE0499B2 = SEM 2 - PLTW

Grades: 11,12

Prerequisite: One prior PLTW engineering course (POE, IED)

Credit: 1.0, Year Course

This capstone course allows students to design a solution to a technical problem of their choosing. They have the chance to eliminate one of the "Don't you hate it when..." statements of the world. This is an engineering research course in which students will work in teams to research, design, test, and construct a solution to an open-ended engineering problem. The product development lifecycle and a design process are used to guide and help the team to reach a solution to the problem. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previous Project Lead The Way courses. The use of 3D design software helps students design solutions to the problem their team has chosen. This course also engages students in time management and teamwork skills, a valuable asset to students in the future. This course is designed for 11th and 12th grade students.



Students entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a **YOUTH APPRENTICESHIP** in one of the following program areas:

- **Architecture & Construction**
- **Manufacturing**
- **Science, Math, Engineering & Technology (STEM) - Engineering**
- **Transportation, Distribution & Logistics**

These rigorous one- or two-year programs include pathways for: Carpentry Fundamentals, Electrical Fundamentals, Masonry, Mechanical/HVAC, Plumber Sprinkler Fitter, Utilities Field Technician, Assembly & Packaging, Electromechanical Mechatronics, Industrial Equipment, Machining, Manufacturing Process, Production Operation, Welding, Engineering Drafting, Mechanical Engineering, Civil Engineering, Auto Collision, Auto Technician, Diesel Technician, Airframe & Powerplant Technician, Airport Operations Management, Aviation Maintenance Fundamentals, Avionics Technician

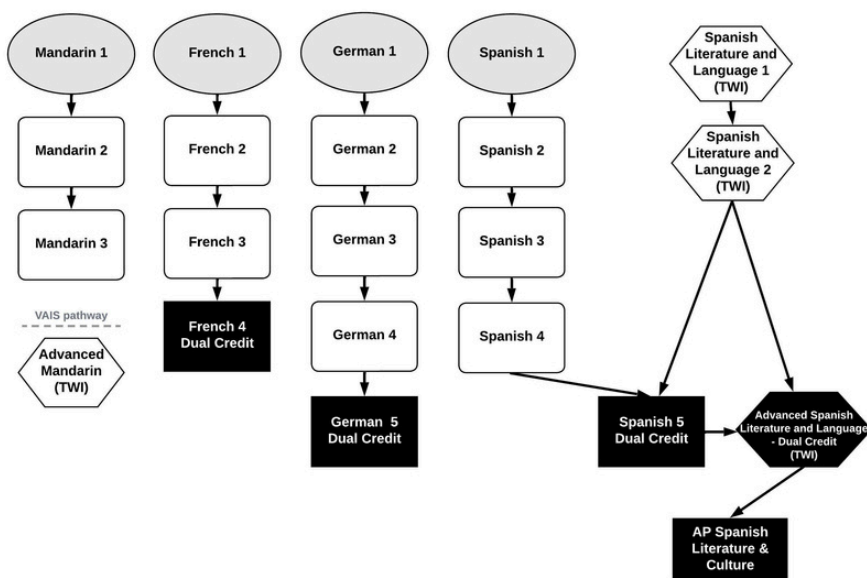
Please refer to the "Youth Apprenticeship" section in the course guide for more information on this work based learning opportunity.



WORLD LANGUAGES



World Language Course Pathways



- = World Language Courses open to ALL STUDENTS
- = World Language CAPSTONE COURSES
- = Two-Way Immersion

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>French 1</u>	VWOR0101A1 - Sem1 VWOR0101B2 - Sem2	9	None	Year-long 1
<u>French 2</u>	VWOR0201A1 - Sem1 VWOR0201B2 - Sem2	10	French 1	Year-long 1
<u>French 3</u>	VWOR0301A1 - Sem1 VWOR0301B2 - Sem2	10-12	French 2	Year-long 1
<u>French 4 - Dual Credit</u>	VWOR0401A1 - Sem1 VWOR0401B2 - Sem2	11, 12	French 3	Year-long 1
<u>German 1</u>	VWOR0102A1 - Sem1 VWOR0102B2 - Sem2	9-12	None	Year-long 1
<u>German 2</u>	VWOR0202A1 - SEM1 VWOR0202B2 - SEM2	9, 10	German 1	Year-long 1
<u>German 3</u>	VWOR0302A1 - SEM1 VWOR0302B2 - SEM2	10-12	German 2	Year-long 1
<u>German 4</u>	VWOR0402A1 - SEM1 VWOR0402B2 - SEM2	11-12	German 3	Year-long 1
<u>German 5 - Dual Credit</u>	VWOR0502A1 - SEM1 VWOR0502B2 - SEM2	12	German 4	Year-long 1



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
<u>Mandarin 1</u>	VWOR0105A1 - SEM1 VWOR0105B2 - SEM2	9-12	None	Year-long 1
<u>Mandarin 2</u>	VWOR0305A1 - SEM1 VWOR0305B2 - SEM2	10-12	Mandarin 1	Year-long 1
<u>Mandarin 3</u>	VWOR0405A1 - SEM1 VWOR0405B2 - SEM2	11-12	Mandarin 2	Year-long 1
<u>Advanced Mandarin</u>	VWOR0205A1 - SEM1 VWOR0205B2 - SEM2	9-12	Completion of coursework at VAIS or equivalent program	Year-long 1
<u>Spanish 1</u>	VWOR0100A1 - SEM1 VWOR0100B2 - SEM2	9	None	Year-long 1
<u>Spanish 2</u>	VWOR0200A1 - SEM1 VWOR0200B2 - SEM2	9, 10	Spanish 1	Year-long 1
<u>Spanish 3</u>	VWOR0300A1 - SEM1 VWOR0300B2 - SEM2	10-12	Spanish 2	Year-long 1
<u>Spanish 4</u>	VWOR0400A1 - SEM1 VWOR0400B2 - SEM2	11, 12	Spanish 3	Year-long 1
<u>Spanish 5 - Dual Credit</u>	VWOR0500A1 - SEM1 VWOR0500B2 - SEM2	11, 12	Spanish 4 or Spanish Literature and Language 2. (B or Better in Spanish 4 or SLA 2 if taking for dual credit through UW-Green Bay).	Year-long 1
<u>Spanish Literature and Language 1</u>	VWORS110A1 - SEM1 VWORS110B1 - SEM2	9	Participation in middle school TWI program in VASD or elsewhere or heritage speaker.	Year-long 1
<u>Spanish Literature and Language 2</u>	VWORS210A1 - SEM1 VWORS210B1 - SEM2	10	Spanish Literature and Language 1	Year-long 1
<u>Advanced Spanish Literature and Language - Dual Credit</u>	VWOR310A1 - SEM1 VWOR310B2 - SEM2	11, 12	SLL 2 or Spanish 5. Students must have earned a B or better in Spanish 5 or SLL 2 if taking for dual credit through UW-Green Bay.	Year-long 1
<u>AP Spanish Literature and Culture</u>	VWOR0506A1 - SEM1 VWOR0506B2 - SEM2	12	Advanced Spanish Literature and Language	Year-long 1



FRENCH

FRENCH 1

VWOR0101A1 = SEM 1

VWOR0101B2 = SEM 2

Grades: 9 predominantly, but open for all

Prerequisites: None **Credit:** 1.0, Year Course

French 1 is an introductory language class. No previous French experience is necessary. Students will begin to listen, speak, read, and write in French through the study of basic grammatical structures and selected vocabulary. The class is conducted mostly in French, and students are expected to participate constructively in all classroom settings, including small group and partner conversations. Units of study include self, family, community, school life, leisure time, dining out, and geography. Students will demonstrate their learning through varied types of assessments including listening and reading quizzes, interpersonal speaking and writing assessments, and presentational speaking and writing assessments. This class serves as a prerequisite for French 2.

FRENCH 2

VWOR0201A1 = SEM 1

VWOR0201B2 = SEM 2

Grade: 10 predominantly, but open to all.

Prerequisites: French 1 **Credit:** 1.0, Year Course

In French 2, students will continue to build basic language skills and add new vocabulary. Emphasis is on building effective communication skills in French and students are expected to use mostly French in the classroom. Units of study include shopping/fashion, past vacation experiences, home decor & design, and cultural norms around cuisine. Students will demonstrate their learning through varied types of assessments including listening and reading quizzes, interactive video quizzes, interpersonal speaking and writing assessments, and presentational speaking and writing assessments. This class serves as a prerequisite for French 3.

FRENCH 3

VWOR0301A1 = SEM 1

VWOR0301B2 = SEM 2

Grades: 10-12 **Prerequisites:** French 2 **Credit:** 1.0, Year Course

In French 3, students will continue to build language skills and add new vocabulary with a greater emphasis on more complicated structures, including narration in the past and making plans for the future. Students will continue to build effective communication skills in French and are expected to use only French in the classroom. Units of study include describing self, storytelling, making plans with friends, discussing chores & cohabitation values, giving directions & instructions, and navigating an airport or train station. Students will demonstrate their learning through varied types of assessments including listening and reading quizzes, interpersonal speaking and writing assessments, and presentational speaking and writing assessments. This class serves as a prerequisite for French 4.



FRENCH 4 - DUAL CREDIT

VWOR0401A1 = SEM 1

VWOR0401B2 = SEM 2

Grades: 11, 12 **Prerequisites:** French 3 **Credit:** 1.0, Year Course

Fees: \$315 only if taken for dual credit. Approximately \$50 for field trips and book

Fourth year students focus on improving their ability to read, speak, listen, understand, and write French, expanding on the grammar and language structures learned in levels 1-3. Advanced writing skills are sharpened through essays and projects. This class is oriented towards projects and presentations. Students will typically contribute once a week to a French-language writing journal in response to teacher prompts. Students will participate in Free Voluntary Reading in the target language. Units of study include the discussion of artwork and the Impressionist movement, interpreting news/opinion articles & developing an argument, expressing illness and understanding prescriptions in a medical context, and a guided reading of *Le Petit Prince*. Classes are conducted exclusively in French and students are expected to speak French daily. Students will demonstrate their learning through varied types of assessments including listening and reading quizzes, interpersonal speaking and writing assessments, and presentational speaking and writing assessments.

PLEASE NOTE: French 4 students who have earned a B or better in French 3 will have the opportunity to earn dual credit through UW-Green Bay. Enrollment is in the Fall and the cost is approximately \$315. Students may earn up to 14 college credits if they earn a B or better in French 4.

GERMAN

GERMAN 1

VWOR0102A1 = SEM 1

VWOR0102B2 = SEM 2

Grades: 9 predominantly, but open for all **Prerequisites:** None

Credit: 1.0, Year Course

German 1 is an introductory language class, where no previous German experience is necessary*. Students will grow in their ability to comprehend, speak, read, and write in German as they study grammatical structures and vocabulary around themes including self, family, home, and school. Formative assessments throughout the unit will enable students to build the necessary skills to comprehend and produce the German language in the summative assessments given at the end of each unit. Students with an interest in the German speaking countries, language, and culture will enjoy this course. This class serves as a prerequisite for German 2.

*Students who took German in 7th and 8th grade at Badger Ridge/Core Knowledge and earned a C or better should enroll in German level 2 at the high school.

Note: A passing grade from semester one is required to continue into the second half of the course.



GERMAN 2

VWOR0202A1 = SEM 1

VWOR0202B2 = SEM 2

Grades: 9 and 10 predominantly, but open for all

Prerequisites: German 1

Credit: 1.0, Year Course

German 2 students will continue to grow in their ability to comprehend, speak, read, and write in German as they study grammatical structures and vocabulary around themes including small talk, childhood, healthy eating, the countries of Western Europe, with an emphasis on the German speaking countries, and outdoor activities. Formative assessments throughout the unit will enable students to build the necessary skills to comprehend and produce the German language in the summative assessments given at the end of each unit. Students with an interest in the German speaking countries, language, and culture will enjoy this course. This class serves as a prerequisite for German 3.

GERMAN 3

VWOR0302A1 = SEM 1

VWOR0302B2 = SEM 2

Grades: 10-12 **Prerequisites:** German 2 **Credit:** 1.0, Year Course

German 3 students will continue to build on the skills learned in levels 1 and 2 as well as acquire new skills. Thematic units will again determine the vocabulary and language structures that are taught. Level 3 thematic units include the city, transportation, travel, and the geography of Germany. Formative assessments throughout the unit will enable students to build the necessary skills to comprehend and produce the German language in the summative assessments given at the end of each unit. Students with an interest in the German speaking countries, language, and culture will enjoy this course. This class serves as a prerequisite for German 4.

GERMAN 4

VWOR0402A1 = SEM 1

VWOR0402B2 = SEM 2

Grades: 11,12 **Prerequisites:** German 3 **Credit:** 1.0, Year Course

German 4 students will continue to build on the skills learned in levels 1-3 as well as acquire new skills. Thematic units will again determine the vocabulary and language structures that are taught. Level 4 thematic units include fairy tales and anti-fairy tales where students will have the opportunity to listen to/read and discuss authentic stories from the target culture. They will also compose their own original fairy tale. In the second half of the year, students will listen to/read and discuss a radio play about a small family living in Hamburg, Germany. Throughout the radio play, students will be introduced to concepts such as getting ready for school in the morning, saying what hurts, choosing what to wear, and planning a date with a friend. Formative assessments throughout the unit will enable students to build the necessary skills to comprehend and produce the German language in the summative assessments given at the end of each unit. Students with an interest in the German speaking countries, language, and culture will enjoy this course. This class serves as a prerequisite for German 5. Students who wish to take German 5 for college credit will need to earn a B or better by the end of the two semesters.



GERMAN 5 - DUAL CREDIT

VWOR0502A1 = SEM 1

VWOR0502B2 = SEM 2

Grades: 12 **Prerequisites:** German 4 **Credit:** 1.0, Year Course

Fees: \$315 only if taken for dual credit.

German 5 students will continue to build on the skills learned in levels 1-4 as well as acquire new skills. Thematic units will again determine the vocabulary and language structures that are taught. Level 5 thematic units include my summer vacation, relationships, professions, and becoming independent. Formative assessments throughout the unit will enable students to build the necessary skills to comprehend and produce the German language in the summative assessments given at the end of each unit. Students with an interest in the German speaking countries, language, and culture will enjoy this course. Students who take this course for college credit through the UW Green Bay and receive a B or better at the end of both semesters will earn 3 college credits and 11 retroactive credits on their college transcripts.

MANDARIN

MANDARIN 1

VWOR0105A1 = SEM1

VWOR0105B2 = SEM2

Grades: 9-12 **Prerequisites:** None **Credit:** 1.0, Year Course

Mandarin 1 is an introductory language class. No previous Mandarin experience is necessary. This introductory course is for any students who are interested in learning Mandarin as a world language. Students will develop basic listening, speaking, reading, and writing skills and acquire a basic understanding of the structure and sound of Mandarin Chinese while learning about Chinese culture and heritage. Level 1 thematic units will include greetings, numbers, names, ownership, who & what questions, family, likes/dislikes, measure words for people & animals.

MANDARIN 2

VWOR0305A1 = SEM1

VWOR0305B2 = SEM2

Grades: 10-12 **Prerequisites:** Mandarin 1 **Credit:** 1.0, Year Course

In Mandarin 2, students will continue to build basic listening, speaking, reading, and writing skills as well as improve their understanding of the structure and sound of Mandarin Chinese while learning about Chinese culture and heritage. Level 2 thematic units include common traits, location, choices, this/that, sports, playing/watching sports, Chinese instruments, music, playing/learning instruments, using Chinese particles.



MANDARIN 3

VWOR0405A1 = SEM 1

VWOR0405B2 = SEM2

Grades: 11, 12 **Prerequisites:** Mandarin 2

Credit: 1.0, Year Course

In Mandarin 3, students will continue building upon the 4 basic skills, yet this year interested students will also have the chance to begin preparing for both the Wisconsin Seal of Biliteracy, and/or the AP Chinese exam. Level 3 thematic units include understanding the Chinese school system, expressing mild opinions, how we're the same or different from others, describing feelings, discussing activities and times they take place, comparing others' experiences from one's own, adjusting plans, common health problems, and understanding what we do (or don't do) when we are sick.

ADVANCED MANDARIN

VWOR0205A1 = SEM1

VWOR0205B2 = SEM2

Grades: 9-12

Prerequisites: Completion of coursework at VAIS or equivalent program

Credit: 1.0, Year Course.

Advanced Mandarin is for students who, having successfully developed basic language skills, are ready to increase proficiency in listening comprehension, speaking, reading, and writing skills of Mandarin Chinese. Readings focus on the goal of developing vocabulary and fluency. Written and oral precision will be emphasized. Instruction includes cultural content. Prerequisites include participation in the Verona Area International School, VASD Mandarin Zero-Hour class, or a similar Mandarin immersion program from another school district.

SPANISH

SPANISH 1

VWOR0100A1 = SEM 1

VWOR0100B2 = SEM 2

Grades: 9 predominantly, but open for all

Prerequisites: None

Credit: 1.0, Year Course.

Spanish 1 is an introductory language class. No previous Spanish experience is necessary. Units on geography, self, school, activities, telling time, weather, food, and culture will help students' listening, comprehension, speaking, writing, and reading skills. Much of the class is in Spanish. Students will be graded on projects, quizzes, and tests as well as accurate completion of homework and constructive participation and speaking Spanish in class. For students to be successful in Spanish 1, they will need to memorize quickly, organize notes effectively, study daily, and participate constructively. This class is a prerequisite for Spanish 2. Please Note: Students who have successfully completed both the 7th and 8th grade Spanish programs (the equivalent of Spanish 1) should enroll in Spanish 2 at the high school. A repeat of level one is not recommended with a C or better.



SPANISH 2

VWOR0200A1 = SEM 1

VWOR0200B2 = SEM 2

Grades: 9 and 10 predominantly, but open for all

Prerequisites: Spanish 1

Credit: 1.0, Year Course

In Spanish 2, students will continue to learn basic language skills and add new vocabulary. Students' listening, comprehension, speaking, writing, and reading skills will develop through units on family, celebration, travel, daily routine, shopping, childhood, and Spanish culture. Spanish 2 introduces students to increasingly complicated grammatical lessons. Almost all readings, lessons, and discussions will be conducted in Spanish. Due to the immersive nature of this course, students should possess good listening, reading, writing, and speaking skills and be willing to work and participate daily to ensure progress. This class is a prerequisite for Spanish 3.

SPANISH 3

VWOR0300A1 = SEM 1

VWOR0300B2 = SEM 2

Grades: 10-12

Prerequisites: Spanish 2

Credit: 1.0, Year Course

Spanish 3 is an advanced course taught almost exclusively in Spanish. Students are expected to have a strong foundation (ideally a B- or better) in Spanish 1 and 2. Spanish 3 continues to build conversation and composition skills as students complete units on childhood, nature, activities/competition, the arts, food/nutrition, and living a healthy lifestyle. They will encounter authentic texts, short stories, and excerpts from Latin American and Spanish authors. In order to advance speaking ability, pair practice, group work, and role plays are used. Nearly all lessons, discussions, and readings will be in Spanish and students are expected to speak Spanish with their teacher and their peers. This class is a prerequisite for Spanish 4.

SPANISH 4

VWOR0400A1 = SEM 1

VWOR0400B2 = SEM 2

Grades: 11,12 **Prerequisites:** Spanish 3 **Credit:** 1.0, Year Course

Spanish 4 is meant for academically-minded students planning to continue their study of Spanish at a postsecondary institution. Fourth year students focus on improving their ability to read, speak, listen, understand, and write Spanish, expanding on the grammar and language structures taught in levels 1-3. Reading will grow in emphasis as students are exposed to longer and more complicated authentic works including short stories, legends, and a graphic novel of Don Quixote. Unit themes include travel, relationships, employment, community, and the history and cultures of Spain. Students will be required to produce more oral and written language, both rehearsed and spontaneous. All readings, lessons, and discussions are in Spanish. This class is a prerequisite for Spanish 5.

SPANISH 5 - DUAL CREDIT

VWOR0500A1 = SEM 1

VWOR0500B2 = SEM 2

Grades: 11-12

Prerequisites: Spanish 4 or Spanish Literature and Language 2 (B or better in Spanish 4 or Spanish Language Arts 2 if taking for dual credit through UW-Green Bay).

Credit: 1.0, Year Course

Fees: \$315 for students who choose to take the course for 14 college credits through UW-Green Bay transferable to most UW system schools.

Intended for academically-minded Spanish students planning on continuing their study of Spanish at a postsecondary institution, Spanish 5 strengthens and extends students' ability to use Spanish fluently and correctly. All grammar is fine-tuned, and vocabulary becomes more precise. Non-fiction from Latin America and Spain pairs with fictional work to extend written language. Class is conducted in Spanish and students are required to speak Spanish in class. In taking this class, students indicate willingness to dedicate time to advancing reading and writing ability in order to procure the ability to earn retroactive credits at the university level.



SPANISH LITERATURE AND LANGUAGE 1 TWI STUDENTS/HERITAGE SPEAKERS

VWORS110A1 = SEM 1

VWORS110B1 = SEM 2

Grades: 9

Prerequisites: Participation in middle school TWI program in VASD or elsewhere or heritage speaker

Credit: 1.0, Year long course

In this course students will be exposed to literature and current issues in the Spanish-speaking world. Students will build upon prior knowledge of grammar, vocabulary, word use and the mechanics of writing. They will develop and apply this learning through the four skill domains of reading, writing, listening, and speaking through linguistically and culturally authentic tasks. In this course, students will be introduced to literary genres through texts written in Spanish for a Spanish-speaking audience from a range of historical eras and geographical contexts. This course is designed for students enrolled in the district's two-way immersion program and is conducted entirely in Spanish. Other students who speak Spanish at home may be eligible and should consult with their counselor prior to registering for this course.

SPANISH LITERATURE AND LANGUAGE 2 TWI STUDENTS/HERITAGE SPEAKERS

VWORS210A1= SEM 1

VWORS210B1= SEM 2

Grades: 10

Prerequisites: Spanish Literature and Language 1

Credit: 1.0, Year long course

In this year-long course, students further develop their Spanish literacy skills and understanding from the Common Core State Standards and ACTFL World Readiness for Language Learning Standards. Students hone their abilities to read, write, and think critically, while engaging in Spanish language texts, both literary and informational around universal themes. The course is conducted exclusively in Spanish and focuses on accurate communication through different domains in the Spanish language. Extensive reading, vocabulary building, and grammar practice develop greater student language proficiency and prepare students for the AP Spanish Language and Culture course.



ADVANCED SPANISH LITERATURE & LANGUAGE - DUAL CREDIT

VWOR310A1 - SEM 1

VWOR310B2 - SEM 2

Grades: 11-12

Prerequisites: Spanish Literature & Language 2 with instructor recommendation, or Spanish 5. Students must have earned a B or better in Spanish 5 or SLL 2 if taking for dual credit through UW-Green Bay.

Credit: 1.0, Year long course

Fees: \$315 for students who choose to take the course for 3 college credits through UW-Green Bay transferable to most UW system schools. 14 retro credits will be awarded to students who earn a B or better in the class.

Advanced Spanish Literature and Language is intended for Heritage and committed learners of Spanish. This course will strengthen cultural awareness, communication and literacy skills in Spanish through a variety of fiction and nonfiction texts that focus on Spanish and Latin American cultural, political, economic, and historical issues from both national and regional perspectives. Class is conducted in Spanish and students are required to speak Spanish in class. Students who take the course for university credit indicate willingness to dedicate time to advancing reading and writing ability in order to procure the ability to earn retroactive credits at the university level.





AP SPANISH LITERATURE AND CULTURE

VWOR0506A1 = SEM 1

VWOR0506B2 = SEM 2

Grades: 12

Prerequisites: Advanced Spanish Literature & Language

Credit: 1.0, Year long course

AP Spanish Literature and Culture course is designed to provide students with a learning experience equivalent to that of an introductory college course in literature written in Spanish. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic Literature. The course provides opportunities for students to demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities) outlined in the Standards for Foreign Language Learning in the 21st Century. Students will write about and analyze literary texts in Spanish of all genres (short stories, excerpts from novels, plays, poetry, etc.); they will learn about literary movements, literary devices, and the socio, economical, and historical influences in the literature.

