VERONA AREA

HIGH SCHOOL
2026-2027 COURSE
GUIDE

VASD Mission Statement: Each scholar 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 2026-2027 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 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 scholar requests and teacher availability. Because conflicts may 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, a time within the school day for scholars to work on homework. 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.

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 22nd, 2026. Scholars will work over two weeks of guided course selection for the 2026-2027 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. *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.*

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,

Brian E. Cox

Principal

TABLE OF CONTENTS

SCHEDULING GUIDANCE AND PROGRAM INFORMATION

DEPARTMENTS AND COURSE DESCRIPTIONS

SCHEDULING PROCESS

Verona Area High School counselors support scholars to ensure that their course requests fulfill scheduling requirements, meet course prerequisites, and are appropriate for the scholar'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

January - February

Scholars receive scheduling information and learn details about course offerings and create a four-year plan and select courses for the following academic year.

March - April

Course requests are reviewed and the primary schedule is created.

April - June

Counselors review schedules and meet with scholars as needed to address conflicts and ensure complete schedules.

late August

Finalized scholar class schedules are released to scholars.

SCHEDULE ADJUSTMENTS

All schedule adjustments must be made by the scholar 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:

- Scholar 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, scholar 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 scholar'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:

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

SCHEDULING PROCESS

TRANSFER COURSES

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

COURSES FROM OUTSIDE INSTITUTIONS

Upon enrollment in VASD, VAHS will transfer courses and grades from another high school or international school onto the VAHS transcript with official transcripts from the scholar's prior school. Once enrolled in VASD, VAHS only accepts transfer credits from programs officially partnered with VASD including the Early College Credit Program, Start College Now, and the Madison College STEM Academy. Other transfer courses outside of these approved partnerships will not be considered for HS credit or for fulfillment of pre-requisites.

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
House 1 - Team 1A
(608) 653-1008,
halec@verona.k12.wi.us

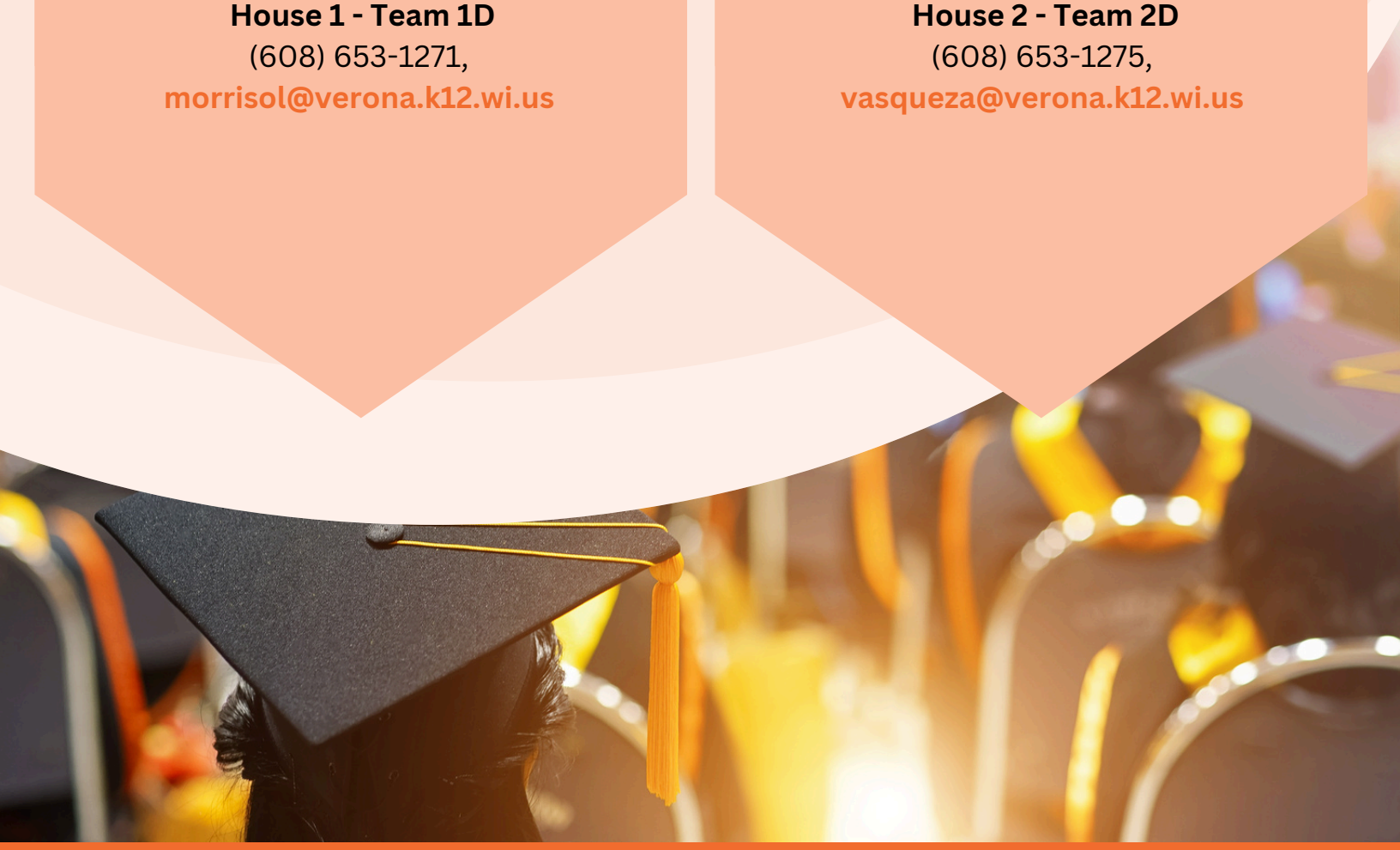
MATTHEW ROLING
House 1
Team 1B/1C
(608) 653-1022,
rolingm@verona.k12.wi.us

LESLEY MORRISON
House 1 - Team 1D
(608) 653-1271,
morrisol@verona.k12.wi.us

KELLY O'CONNELL
House 2 - Team 2A
(608) 653-1180,
oconnek@verona.k12.wi.us

KAZUA YANG
House 2
Team 2B/2C
(608) 653-1181,
yangk@verona.k12.wi.us

ALEJANDRA VAZQUEZ
House 2 - Team 2D
(608) 653-1275,
vasqueza@verona.k12.wi.us



Class of 2027

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

VAHS GRADUATION REQUIREMENTS

23.5 CREDITS

For the Class of 2027

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 Electives
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 scholars must pass the civics assessment as a graduation requirement

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

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

GRADUATION REQUIREMENTS FOR SCHOLARS WITH DISABILITIES

A. Successful completion of educational goals as outlined in the Individual Education Plan (IEP) formulated by the scholar'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 scholar's IEP.

Classes of 2028 and beyond

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

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 Electives
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
0.5 FINANCIAL LITERACY	0.5 - Personal Financial Literacy
8.5 ADDITIONAL CREDITS	May include World Languages, Music, additional coursework in core subjects, and/or other electives
0.0 CIVICS TEST	All scholars must pass the civics assessment as a graduation requirement

VAHS GRADUATION REQUIREMENTS

24 CREDITS

For the Classes of 2028 and beyond

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

***Scholars are eligible to participate in Commencement exercises upon completion of graduation requirements. Scholars must have earned all of the necessary 24 credits to participate. For additional commencement participation requirements (attendance, disciplinary record, etc.), see the Scholar Handbook.*

GRADUATION REQUIREMENTS FOR SCHOLARS WITH DISABILITIES

A. Successful completion of educational goals as outlined in the Individual Education Plan (IEP) formulated by the scholar'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 scholar's IEP.

MINIMUM ENROLLMENT REQUIREMENTS

The Board of Education of the Verona Area School District has established minimum requirements for scheduling each scholar by grade. All scholars 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 scholar 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**

NOTE: *The Classes of 2028 and beyond will be required to take Personal Financial Literacy.*

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**

EARLY GRADUATION

Scholars seeking to graduate a full year early must earn 17 credits by the end of Grade 10. Scholars seeking to graduate a semester early must earn 20.5 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. Scholars 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, scholars 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. Scholars may be admitted with this deficiency.

Choosing VAHS Coursework Continued on Next Page

CHOOSING VAHS COURSEWORK FOR POST-SECONDARY STUDY

Scholars 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 scholars should pursue a course of study challenging enough to ensure suitable options for their aptitudes and abilities. Scholars 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. Scholars are responsible for researching specific requirements of individual post-secondary schools of interest.

2-Year and Technical Colleges/Institutions

Typically, scholars 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. Scholars are responsible for researching specific requirements of individual post-secondary schools and programs of interest.

ADVANCED PLACEMENT COURSES

Advanced Placement (AP) is the most widely recognized and accepted college-level academic program available to high school scholars in the nation. With qualifying exam scores, scholars 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. Scholars 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 scholars who are successful in high school AP classes experience greater success in college than scholars who do not participate in AP. The rich course material, classroom discussions, and demanding assignments in AP classes help scholars develop the knowledge and critical thinking skills expected of college scholars. Even colleges and universities who do not accept AP credits recognize the rigor of AP and look for such courses when reviewing scholars' transcripts during the college admission process.

Scholars 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 scholars in grades 10-12, careful thought and consideration are 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 scholars)

- 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 Spanish Literature and Culture
- AP Statistics
- AP US History
- AP World History - Modern
- AP African American Studies

PROJECT LEAD THE WAY

Project Lead the Way (PLTW) is a non-profit organization focused on introducing and preparing high school scholars 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 scholars in engineering and technical fields. PLTW provides transformative learning experiences for scholars through engaging curriculum, hands-on learning, and scholar 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 scholars, and the initial biomedical courses expose scholars to multiple career options in the biomedical arena. All of the courses are based on problem-solving, teamwork, communication, and leadership as the scholars 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 scholars' 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 scholars 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, scholars are eligible for college credit at cooperating colleges.

DEPARTMENT	ORGANIZATION AWARDING 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

AP + PROJECT LEAD THE WAY RECOGNITION

Scholars who complete the requirements of their chosen pathway earn the AP + PLTW scholar recognition, a qualification that demonstrates to colleges and employers that the scholar is ready for advanced coursework and interested in careers in this discipline. To earn the recognition, the scholar 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 scholars 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	Medical/Veterinary Terminology (DE - MATC)	VAGR0306B0	Medical Terminology	#10501101
	Biotechnology (DE - MATC)	VSCI0106A0	Biotechnology Applications	#10007110
	Advanced Biotechnology (DE - MATC)	VSCI0206A0	Biotechnology Career Seminar	#10007111
BUSINESS & MARKETING	Business Technology (DE - MATC)	VBUS0155A0	Microsoft Office for Business Applications	#10106168
	Entrepreneurship (DE - MATC)	VBUS0306A0	Introduction to Entrepreneurship	#10145117
	Digital Marketing (DE - MATC)	VBUS0137A0	Social Media Marketing	#10104114
	Marketing Principles (DE - MATC)	VBUS0108A0	Marketing Principles	#10104102
	Advanced Marketing (DE - MATC)	VBUS0170A0	Selling Principles	#10104104
CAREER & COLLEGE READINESS	Career & College Readiness (DE - MATC)	VCTE0100A0	College and Career Readiness	#10890123
ENGLISH	Real World Writing (DE - MATC)	VENG0310A0	Intro to College Writing	#10831103

Dual Credit with Madison College (Continued)

DUAL CREDIT COURSES

HEALTH SCIENCE	Nursing Assistant - Fall (DE - MATC) Nursing Assistant - Spring (DE - MATC)	VYOP0115A1 or VYOP0115A2	Nursing Assistant	#30543300
MATH	Mathematical Reasoning (DE - MATC)	VMAT0250A1 - Sem 1 VMAT0250B2 - Sem 2	Mathematical Reasoning	#10804134
TECHNOLOGY EDUCATION	Advanced Wood Processes (DE - MATC)	VTEE0306A0	Woodworking 1A: Machinery & Methods	#31409328
	Fundamentals of Construction 1 (DE - MATC) AND Fundamentals of Construction 2 (DE - MATC)	VTEE0237A0 AND VTEE0337A0	Fundamentals of Construction	#31410399
	Advanced Welding Technology SMAW (DE - MATC)	VTEE0231A1 - Sem 1 VTEE0231B2 - Sem 2	Basic Arc (Shielded Metal Arc Welding - GMAW)	#31442315
	Advanced Welding Technology - GMAW (DE - MATC)	VTEE0232A1 - Sem 1 VTEE0232B2 - Sem 2	Basic Arc (Shielded Metal Arc Welding - GMAW)	#31442323
	Machine Tool (DE - MATC)	VTEE0152A1 - Sem VTEE0152B2 - Sem 2	Machine Tool 1A	#32420371
	Metal Fabrication (DE - MATC)	VTEE0158A0	Fabrication 1	#31457301
	Automotive Technology I (DE - MATC)	VTEE0246A0	Automotive Fundamentals	#10602100
	Automotive Technology III (DE - MATC)	VTEE0446A1 - Sem 1 VTEE0446B2 - Sem 2	Automotive Service Procedures	#10602101
	PLTW Intro to Engineering & Design (DE - MATC)	VTEE0198A0	Introductory Engineering Graphics	#10606231

Additional Dual Credit Opportunities

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

Dual Credit with UW Schools

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

CERTIFICATION COURSES

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

DEPARTMENT	VAHS COURSE NAME	VAHS COURSE NUMBER	ORGANIZATION AWARDING CERTIFICATE	CERTIFICATE NAME
BUSINESS, MARKETING, AND INFORMATION TECHNOLOGY	Exploring Business	VBUS0105A0	ASK Exam	Fundamentals of Business Concepts, Industry Certification
	Marketing Principles	VBUS0108A0	ASK Exam	Fundamental Marketing Concepts
	Advanced Accounting	VBUS0301B2	Quick Books	Certified User Exam
	Entrepreneurship	VBUS0306A0	ASK Exam	Concepts of Entrepreneurship
	Business Technology	VBUS0155A0	Microsoft Office	Certiport Microsoft Office Specialist
	Advanced Finance	VBUS0206A0	ASK Exam	Concepts of Finance
FAMILY & CONSUMER SCIENCES	Professional Culinary	VFCS0500A1 - Sem 1 VFCS0500B2 - Sem 2	National Restaurant Association Educational Foundation	ProStart National Certificate of Achievement (scholars must complete both courses to earn certification)
	Professional Culinary	VFCS0500A1 - Sem 1	Servsafe	Servsafe Food Handler
	Professional Culinary	VFCS0500B2 - Sem 2	Servsafe	Servsafe Manager
	Nursing Assistant	VYOP0115A1 or VYOP0115A2	Madison College	Nursing Assistant Technical Diploma

CERTIFICATION COURSES

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

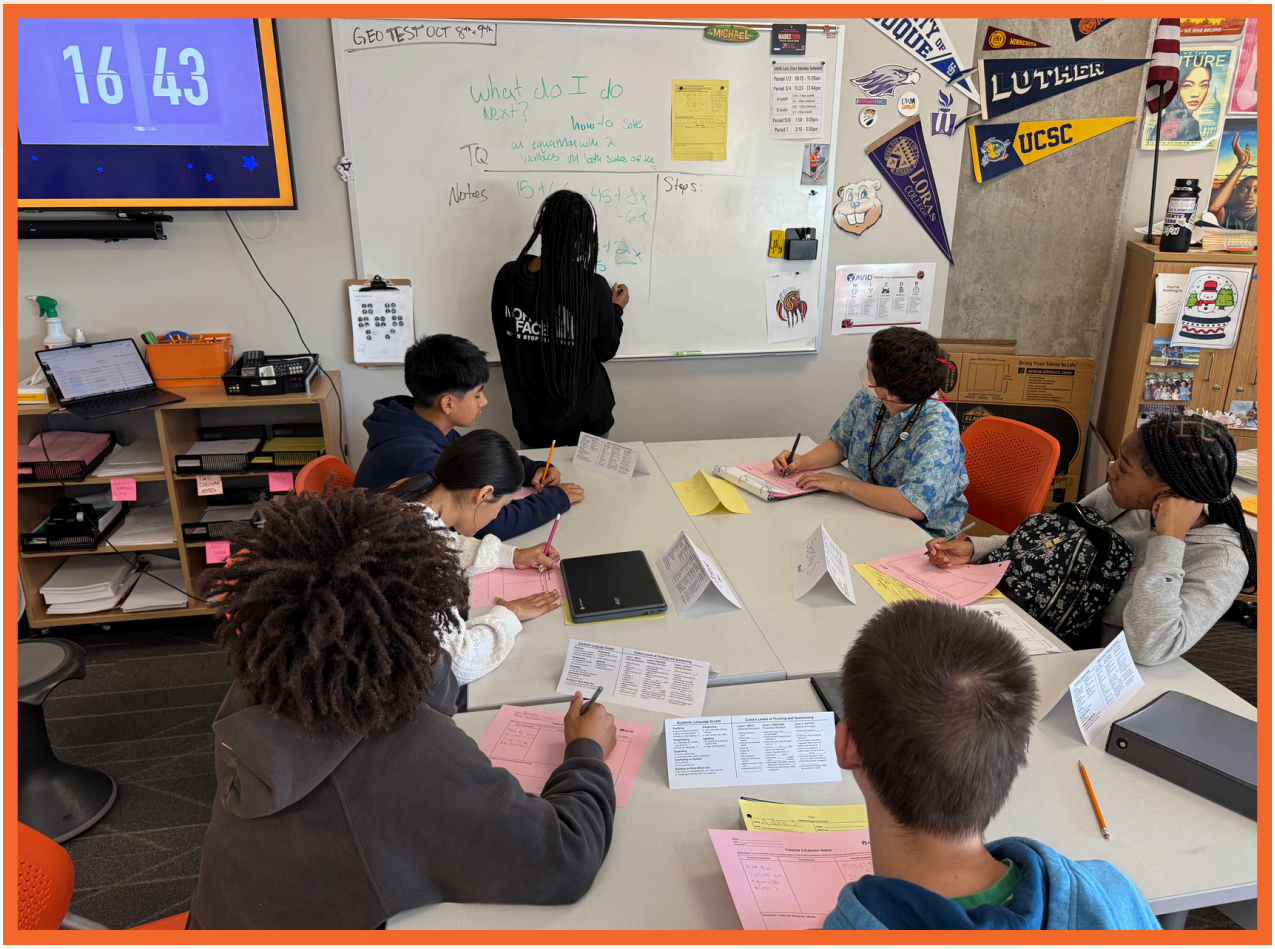
DEPARTMENT	VAHS COURSE NAME	VAHS COURSE NUMBER	ORGANIZATION AWARDING CERTIFICATE	CERTIFICATE NAME
PHYSICAL EDUCATION	Water Safety Instructor Training	VPHY0306A0	American Red Cross	Red Cross Water Safety Instructor
	Lifeguard Training and CPR for the Professional Rescuer	VPHY0236A0	American Red Cross	Red Cross CPR Certification
	Coaching and Officiating Sports	VPHY0230A0	WIAA	WIAA Licensed Official
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 Measurement Instruments

AVID (Advancement Via Individual Determination) is a college-and career-readiness program that equips scholars with the skills, strategies, and support they need to succeed in rigorous coursework throughout high school. AVID is a year-long elective class that scholars may take all four years of high school.

Enrollment Requirements
Scholars must complete the AVID application process to be considered. Typical criteria include being a first-generation college scholar, demonstrating academic motivation, maintaining strong attendance, and having the desire to attend college.

How to Join AVID
Scholars are first invited to apply in middle school. Invitations are sent during the second semester of 6th and 7th grade for participation in 7th and/or 8th grade AVID. Scholars who successfully complete the middle school AVID elective class(es) are offered the opportunity to continue in high school AVID.

We also consider additional applicants at the high school level if openings become available. If your scholar is not currently in AVID and you would like more information about the application process, please contact Michael Nass or Cassie Mentzer, AVID Co-Coordinators at VAHS.



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 scholars to develop the academic and social skills needed to be successful in post-secondary education. Scholars 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. Scholars in AVID 9 also participate in motivational and experiential learning opportunities, including guest speakers, field trips, college visits, and seminars. Additionally, AVID scholars 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 scholars to develop the academic and social skills needed to be successful in post-secondary education. Scholars 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. Scholars in AVID 10 also participate in motivational and experiential learning opportunities, including guest speakers, field trips, college visits, and seminars. Additionally, AVID scholars 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 scholars to develop the academic and social skills needed to be successful in post-secondary education. Scholars 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. Scholars 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 scholars will be highly encouraged to enroll in advanced courses in high school.

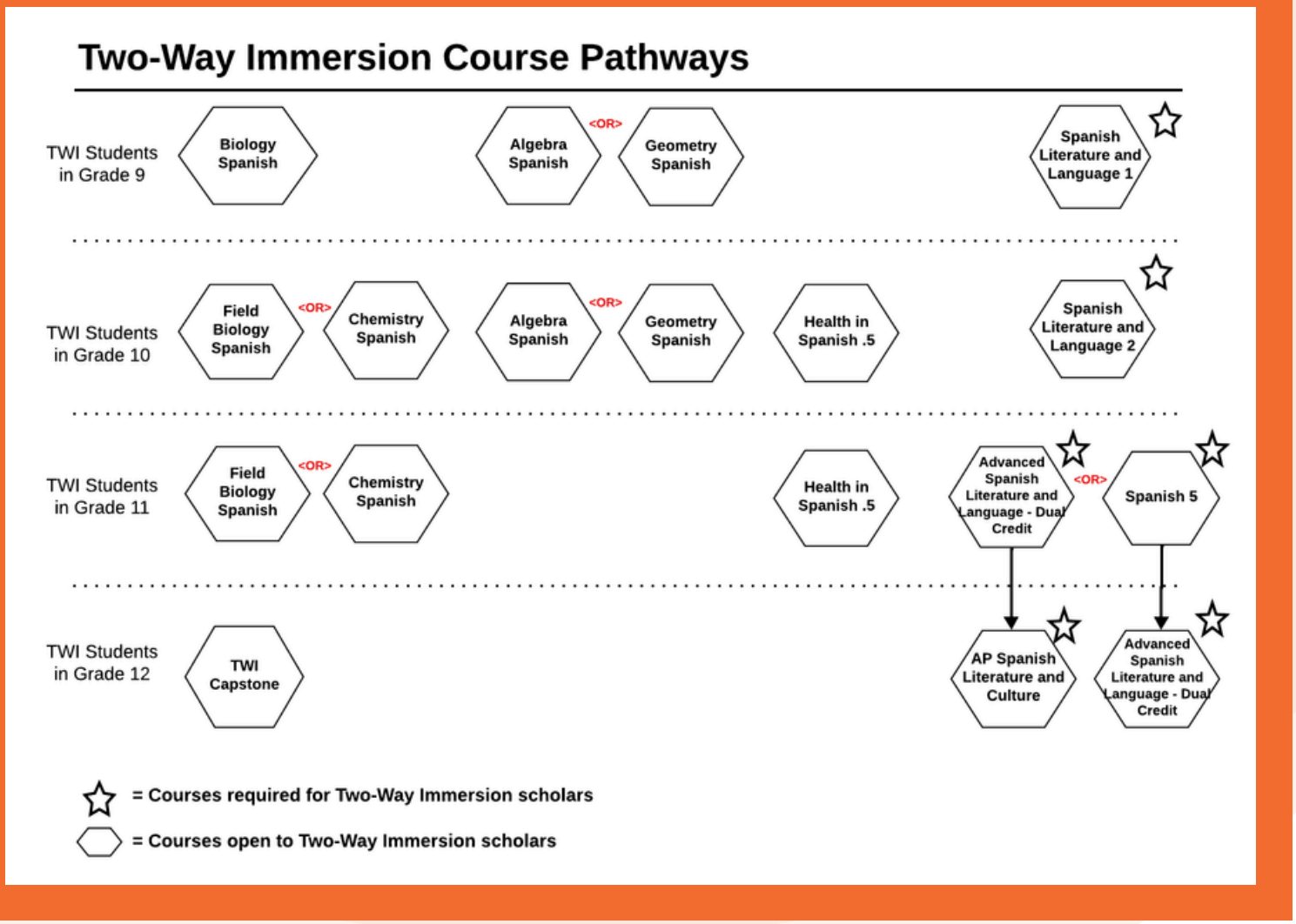
AVID ELECTIVE - GRADE 12
VAVD0400A1 = Sem 1
VAVD0400B2 = Sem 2

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 scholars to develop the academic and social skills needed to be successful in post-secondary education. Scholar 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. Scholars 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 scholars 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.

TWI - Two-way Immersion Pathway to Biliteracy

The **Two-way Immersion (TWI)** Program: Scholars 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 of high school. The TWI Program provides VAHS scholars with the opportunity to take one content area class in Spanish as well as a high-level Spanish language course.



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

10th grade TWI scholars are required to take Spanish Literature and Language 2, offered through the World Languages Department. They have the choice to register for Chemistry, Field Biology, Algebra, Geometry, Health in Spanish, offered through the Science, Math, and Physical Education Departments.

TWI - Two-way Immersion Pathway to Biliteracy

11th grade TWI scholars are required to take either Advanced Spanish Literature and Language-Dual Credit or Spanish 5-Dual Credit offered through the World Languages Department. They also have the choice to register for Chemistry, Field Biology, Algebra, Geometry, and Health in Spanish, offered through the Science, Math, and Physical Education Departments.

12th grade TWI scholars are required to take AP Spanish Literature and Culture or Spanish 5-Dual Credit, and it is highly recommended that they take the TWI Capstone Class.

Scholars 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. Scholars may work on the requirements for the Wisconsin Seal of Biliteracy throughout high school, but will receive the medallion in their senior year at an awards ceremony.

Seal of Biliteracy - Any scholar 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. Scholars may work on the requirements for the Wisconsin Seal of Biliteracy throughout high school, but will receive the medallion senior year at an awards ceremony. Information is available from the Seal of Biliteracy coordinator or World Language or Multilingual Program staff.

TWI Capstone

Grades: 12 **Prerequisite:** Spanish 5 or Advanced Spanish Literature & Language, **and** concurrent enrollment in AP Spanish Literature & Culture or Spanish 5

Scholars 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. Scholars will be researching and putting into place a project that fits both the community's needs and their interests. Scholars will be visiting and learning about different community Hispanic serving organizations that they will be able to contribute to as bilingual individuals. Scholars will present their projects at a showcase event where parents, teachers, and community partners listen to brief presentations of the scholars' findings.

BLENDED LEARNING

Blended Learning Courses: Ensuring the success of our scholars at the postsecondary level is among the highest priorities at Verona Area High School. We believe that preparing scholars 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 scholars will experience a combination of learning days in the classroom and learning off-campus or in the VAHS library. These courses allow scholars 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 scholars are working in the classroom with the teacher.

What is “blended learning”?

- Blended learning days are when some scholars are working with the classroom teacher, while others are working in the school library or off-campus. Some days your scholar 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 scholars.

BLENDED LEARNING		
DEPARTMENT	**VAHS COURSE NAME**	**VAHS Course Number**
AGRICULTURE	Biotechnology - BLENDED Advanced Biotechnology - BLENDED	VSCIB106A0 VSCIB206A0
ENGLISH	The Art of Persuasion - BLENDED Creative Writing - BLENDED Fundamentals of Public Address - BLENDED	VENGB318A0 VENGB330A0 VENGB360A0
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	VSCIB237A1, VSCIB237B2 VSCI0116A1, VSCI0116B2 VSCIB230A1, VSCIB230B2
SOCIAL STUDIES	Social Psychology - BLENDED Psychological Foundations of the Adolescent - BLENDED Sports & History - BLENDED	VSOCB312A0 VSOCB330A0 VSOCB348A0

EARLY POST-SECONDARY OPPORTUNITIES

EARLY COLLEGE CREDIT PROGRAM & START COLLEGE NOW PROGRAM OVERVIEW

The Early College Credit (ECCP) and Start College Now (SCN) programs allow public high school scholars 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 scholars 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 scholar 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 scholar will receive both high school and college credit. This high school credit will then count toward the scholar 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.

ee

Career Cluster Information

The 16 Career Clusters are ways for scholars to group their required courses and electives into a coherent sequence in preparation for college and careers. Utilizing Career Clusters, scholars 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 scholar will have the tools necessary to select relevant and applied coursework designed to meet their educational and career goals.

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 Exploration

CAREER AND COLLEGE READINESS (DE - MATC)
VCTE0100A0
Dual Credit through Madison College

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.

Work Experience - Employability Skills Program
VCTE0900A0

Grades: 10-12. **Credit:** 0.5 Credit

The Work Experience - Employability Skills Program is open to 10th, 11th and 12th grade scholars. Scholars can earn high school elective credit while working at a job they have secured. Scholars 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, scholars can earn 0.5 credit and an Employability Skills Certificate from VASD. Completion of this program demonstrates to potential employers that the scholar has mastery of the employability skills valued by employers in a variety of work settings.

Scholars interested in this opportunity should meet with the School to Career Coordinator. It is recommended that interested scholars 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 Workforce Development Board of South Central Wisconsin, VAHS, and area employers, allows scholars to earn high school credits while getting paid and learning from skilled professionals in a career pathway of their choice. While enrolled in the Youth Apprenticeship program, scholars will develop academic and occupational skills necessary for employment. Scholars must complete 450 hours of on-the-job experience during the year, and all meeting and assignment requirements in order to earn 2.0 elective credits (1.0 credit per semester). Scholars must also concurrently enroll in a course related to their apprenticeship.

Scholars interested in the Youth Apprenticeship program should attend an information session and complete the Youth Apprenticeship Scholar Interest Form by March 1.

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, scholars should contact the School to Career Coordinator and check out the Youth Apprenticeship program by clicking here: ***Dane County Youth Apprenticeship Program***

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

YA - AGRICULTURE WORK EXPERIENCE
VYAP0130A0

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

The Agriculture Apprenticeship is for scholars interested in careers in the Agriculture, Food & Natural Resources career cluster. Scholars 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
VYAP0140A0

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

The Arts, A/V Technology & Communication Apprenticeship is for scholars interested in careers in printing technology, from graphic designers to press operators to customer service representatives and sales. Scholars 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
VYAP0160A0

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

The Architecture & Construction Youth Apprenticeship is for scholars interested in careers in the skilled trades of Carpentry, Electrical, Masonry/Concrete, Mechanical/HVAC, and Plumbing/Sprinkler Fitting. Scholars 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
VYAP0184A0

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

The BioTechnology Youth Apprenticeship is for scholars interested in careers in science, technology, engineering, medicine, research, and mathematics. Scholars 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
VYAP0110A0

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

The Business, Management & Administration Youth Apprenticeship is for scholars interested in careers involving planning, oversight and organizational tasks needed to run a business. Scholars 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
VYAP0120A0

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

The Education Youth Apprenticeship is for scholars interested in careers that involve planning, managing & providing education and other learning support services associated with childcare settings, schools, libraries & museums. Scholars 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
VYAP0150A0

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

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

YA - GOVT & PUBLIC ADMIN WORK EXPERIENCE
VYAP0152A0

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. Scholars 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
VYAP0193A0

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. Scholars in Youth Apprenticeship must complete two semesters of coursework yearly that focuses on healthcare. These courses could include PLTW courses, Medical Terminology, Nursing Assistant, or other opportunities through Madison College or other classes.

YA - HOSPITALITY, TOURISM AND LODGING WORK EXPERIENCE
VYAP0154A0

Grades: 11, 12 **Prerequisite:** Application Required
The Hospitality, Tourism and Lodging Apprenticeship is for scholars interested in careers that encompass the management, marketing, and operation of restaurants, lodging, attractions, recreation events, and travel-related services. Scholars in Youth Apprenticeship must complete two semesters of coursework yearly that focus on business, marketing, or culinary.

YA - HUMAN SERVICES WORK EXPERIENCE
VYAP0165A0

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. Scholars 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
VYAP0196A0

Grades: 11, 12 **Prerequisite:** Application Required
The Information Technology Apprenticeship is for scholars interested in careers in the design, development, support, and management of hardware, software, multimedia, and systems integration. Scholars in Youth Apprenticeship must complete two semesters of coursework yearly that focus on computer science and information technology.

YA - MANUFACTURING WORK EXPERIENCE
VYAP0172A0

Grades: 11, 12 **Prerequisite:** Application Required
The Manufacturing Apprenticeship is for scholars interested in careers in the Manufacturing industry. Scholars are provided a working understanding of core manufacturing industry skills and occupationally specific technical skills within this industry. Scholars 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
VYAP0180A0

Grades: 11, 12 **Prerequisite:** Application Required
The Marketing Apprenticeship is for scholars interested in careers in Marketing.
Pathways in the Marketing program include professional sales, merchandising, marketing communication, marketing research, and marketing management. Scholars in Youth Apprenticeship must complete two semesters of coursework yearly that focus on business or marketing.

YA - LAW & PUBLIC SAFETY WORK EXPERIENCE
VYAP0168A0

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. Scholars 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
VYAP0170A0

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

The STEM - Engineering Apprenticeship is for scholars interested in careers in engineering. Scholars 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
VYAP0176A0

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

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

LEARNER EDUCATION ALTERNATE PATHWAY

LEAP (Learner Educational Alternative Pathway)

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

To qualify scholars 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. Scholars are referred by the principal, associate principal, or a scholar services staff member.

Scholars 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. Scholars must have a state-issued identification card if they are taking the GED tests.

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

RESOURCES AND SUPPORTS

ACADEMIC RESOURCE
VSTU0200A0

Grades: 9-12 **Prerequisite:** None
Credit: 0

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

SPECIAL EDUCATION

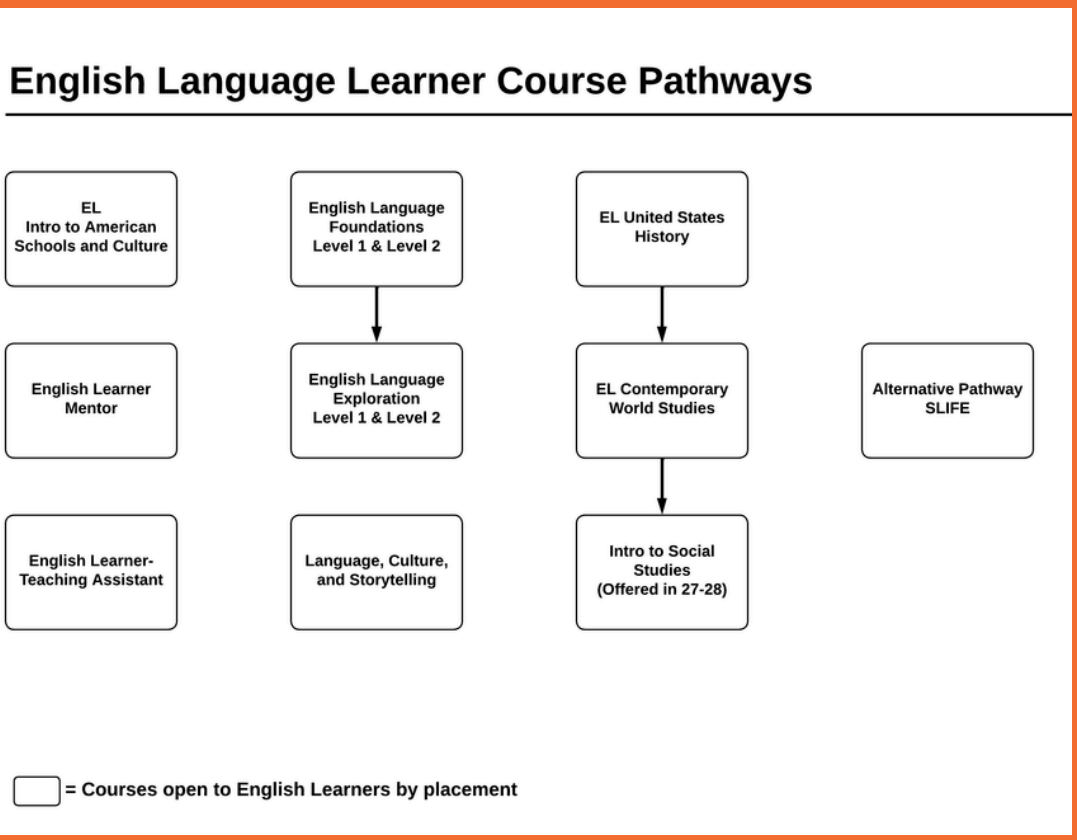
The Verona Area School District offers special education services tailored to meet the needs of scholars qualifying for special education under the Individuals with Disabilities Education Act (IDEA). These services are designed through collaboration between the scholar's Individual Education Plan (IEP)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

Scholars 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 scholar.

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.

EL- English as a Second Language

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



English Language Foundations - Level 1 & Level 2

These courses are designed for scholars 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. Scholars 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 scholars 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. Scholars can take English Language Exploration-Level 1 or 2 for up to two years based on teacher recommendation.

Language, Culture, and Storytelling

Designed for scholars who want to explore how language shapes stories—and how stories shape our understanding of the world. In this course, scholars will strengthen their English reading, writing, speaking, and listening skills through the study of diverse literary texts, including short stories, poems, plays, and nonfiction works. Emphasis is placed on building academic vocabulary, analyzing literary elements, and developing clear, purposeful communication in both written and spoken forms. Scholars will engage in creative and analytical projects that connect personal experiences to the themes found in literature, fostering confidence, cultural awareness, and a deeper command of English as a tool for expression and understanding.

Intro to American Schools and Culture

This course is designed for scholars 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 scholars 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. Scholars 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 scholars to synthesize knowledge to provide a more complex understanding of history. While learning social studies skills and content, scholars will also 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 scholars 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, scholars will also 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 scholars 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. Scholars 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, scholars will gain a comprehensive understanding of the complexities of our interconnected world.

SLIFE - Bilingual

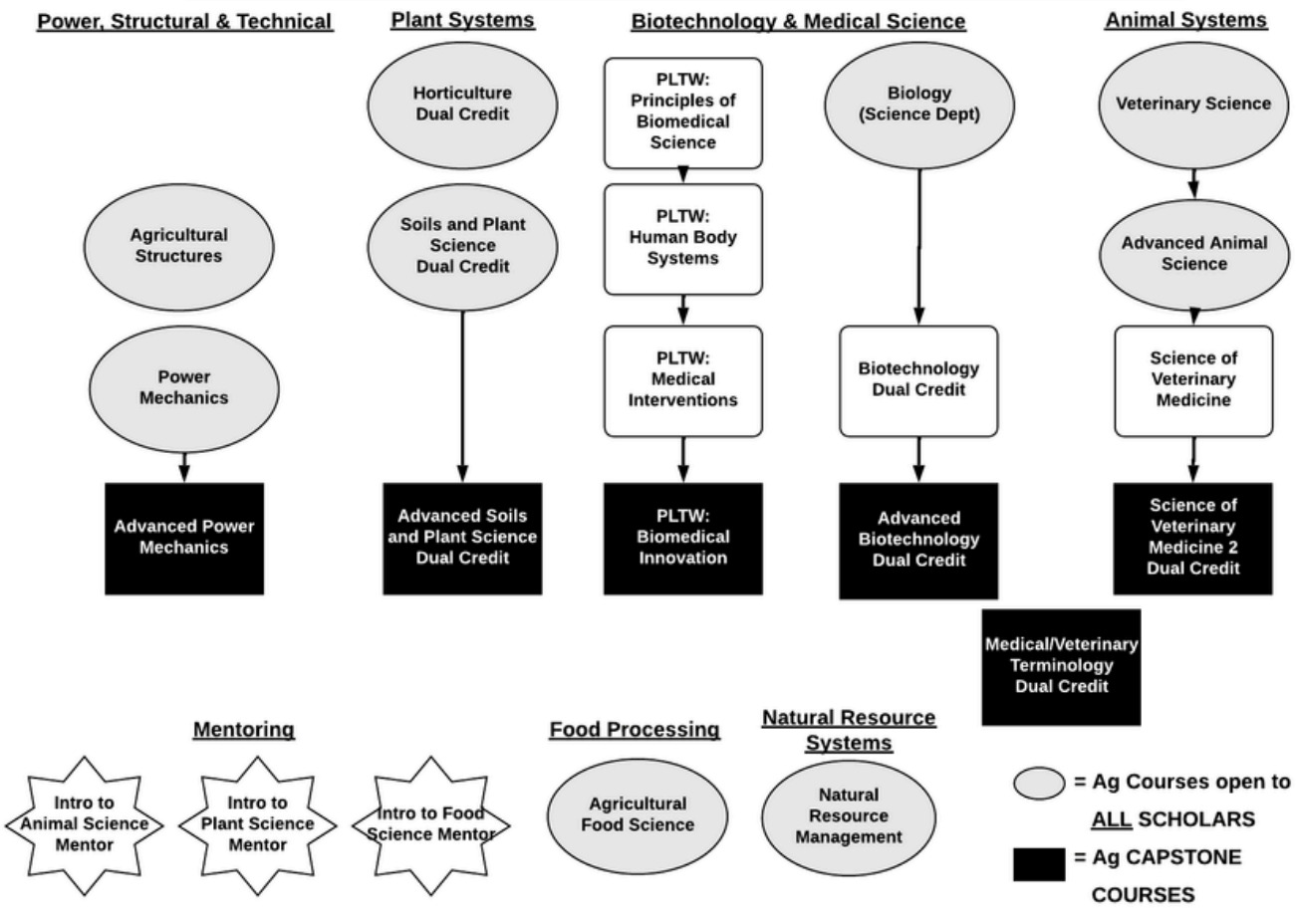
SLIFE - Bilingual is an alternative project-based class designed for multilingual scholars who might have had limited education opportunities in the past or interrupted education for six months or more. To qualify, scholars must be Juniors or Seniors with less than 14 course credits and have had a gap in their educational career. Scholars are referred by the Multilingual Coordinator and the Bilingual Resource teachers. Scholars 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. Scholars 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 scholars to work with our newest English language learners as peer models to help as they learn English, and is also a great opportunity for scholars who are interested in careers in education or world languages. Scholars who enroll in this course will be placed into one of the English Learner courses offered at VAHS, specifically for scholars who are new to the US. Accepted scholars will be trained to provide English language speaking opportunities for scholars learning English, assist in the development of literacy skills in English, participate with scholars in language-rich activities, lead small group discussions, and complete other reflective assignments as guided by the instructor.

AGRICULTURE

Agriculture Dept Course Pathways



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Intro to Veterinary Science	VAGR0024B2	9-12	Approval from Special Education Administration	Semester .5
Intro to Veterinary Science - Mentor	VAGR0910B2	9-12	None	Semester .5
Intro to Plant Science	VAGR0099A1	9-12	Approval from Special Education Administration	Semester .5
Intro to Plant Science - Mentor	VAGR00900A1	9-12	None	Semester .5
Veterinary Science	VAGR0124A0	9-12	None	Semester .5
Advanced Animal Systems/Vet Science	VAGR00224A2	9-12	Veterinary Science	Semester .5
Science of Veterinary Medicine	VAGR0106A1	10-12	Basic Vet Science and Advanced Animal Systems	Semester .5
Science of Veterinary Medicine 2 (DE)	VAGR0206B2	10-12	Science of Veterinary Medicine	Semester .5 Dual Credit Option
Medical/Veterinary Terminology (DE)	VAGR0306B0	10-12	None (Veterinary Medicine 1 & 2 recommended but not required)	Semester .5
Soils and Plant Science (DE)	VAGR0101A0	9-12	None	Semester .5
Advanced Soil and Plant Science (DE)	VAGR0200A0	10-12	Soil & Plant Science	Semester .5 Dual Credit Option
Horticulture (DE)	VAGR0129A0	10-12	Soil and Plant Science recommended, not required	Semester .5
Agricultural Structures/How To	VAGR0212A0	10-12	None	Semester .5
Power Mechanics	VAGR0112A0	10-12	None	Semester .5
Advanced Power Mechanics	VTEE0342A0	11-12	Power Mechanics	Semester .5
Natural Resource Management (DE)	VAGR0218A1	10-12	None	Semester .5 Dual Credit Option
Agricultural Food Science (DE)	VAGR0130A0	9-12	None	Semester .5 Dual Credit Option
Intro to Food Science	VAGR0132A0	9-12	None	Semester .5
Intro to Food Science - Mentor	VAGR0132A0	9-12	None	Semester .5
Biotechnology (DE - MATC)	VSCI0106A0	10-12	Biology	Semester .5 Dual Credit Option
Biotechnology - Blended (DE - MATC)	VSCIB106A0	10-12	Biology	Semester .5 Dual Credit Option
Advanced Biotechnology (DE - MATC)	VSCI0206A0	10-12	Biology & Biotechnology	Semester .5 Dual Credit Option
Advanced Biotechnology - Blended (DE - MATC)	VSCIB206A0	10-12	Biology & Biotechnology	Semester .5 Dual Credit Option
PLTW - Principles of Biomedical Science	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 scholars 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 scholars 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 scholars the opportunity to partner with scholars with special needs to learn about Agriculture. Scholars 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 scholars with an IEP an opportunity to explore Agriculture and Animal Sciences. Scholar mentors will learn strategies for working with scholars in an inclusive environment and demonstrate knowledge of working with scholars 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 agricultural commodities get from the Farm to the consumer. This course provides relevant content for scholars interested in careers in the Agriculture, Education & Training, and Human Services Career Clusters. Scholars will be asked to participate in a 2-hour session before 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 scholars 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 scholars the opportunity to partner with scholars with special needs to learn about Agriculture. Scholars 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 scholars with an IEP and an opportunity to explore Agriculture and the Plant Sciences. Scholar mentors will learn strategies for working with scholars in an inclusive environment and demonstrate knowledge of working with scholars 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 agricultural commodities get from the Farm to the consumer. This course provides relevant content for scholars interested in careers in the Agriculture, Education & Training, and Human Services Career Clusters. Scholars will be asked to participate in a 2-hour session before 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 scholars with an interest in animals and science. Scholars 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 scholars 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 scholars 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. Scholars 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 scholars 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.

MEDICAL/VETERINARY TERMINOLOGY
VAGR0306B0
Dual Credit with Madison College

Grades: 10-12 **Prerequisite:** None (Veterinary Medicine 1 & 2 recommended but not required)
Credit: .5, Semester Course

Learning and building a medical vocabulary is an asset for scholars who may be interested in animal science and health care careers, as well as for scholars who are interested in matters of good health and pet care. Scholars 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, scholars will develop skills to better understand physiology, anatomy, and human/animal biology topics in the field of health and veterinary science. This course provides relevant content for scholars interested in careers in the Health Science and Animal Science Career Cluster.

SCIENCE OF VETERINARY MEDICINE - SCIENCE CREDIT
VAGR0106A1

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

This course immerses scholars 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 scholars 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. Scholars 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 (DE) - SCIENCE CREDIT
VAGR0206B2
Dual Credit with Mid-State Technical College

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

This is the fourth course in the Animal Systems pathway. Scholars 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, scholars earning a C or better will receive credits from Mid-State Technical College.

SOILS AND PLANT SCIENCE (DE) - SCIENCE CREDIT
VAGR0101A0
Dual Credit through Gateway College
Grades: 9-12 Prerequisite: None
Credit: .5, Semester Course

This course takes advantage of the VAHS greenhouse and provides scholars with an opportunity to work with plants in both the greenhouse and outdoors. Scholars will gain an understanding of soil types, plant growth, plant reproduction, soil minerals, fertilizers, and environmental concerns. This course is recommended before enrolling in Horticulture. This course is recommended for scholars 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, scholars in grades 10-12 earning a C or better may earn credits from Gateway Technical College.

ADVANCED SOILS AND PLANT SCIENCE (DE) - SCIENCE CREDIT
VAGR0200A0
Dual Credit through Gateway 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. Scholars 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 scholars 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, scholars in grades 10-12 earning a C or better may earn credits from Gateway Technical College.

HORTICULTURE (DE) - SCIENCE CREDIT
VAGR0129A0
Dual Credit through Gateway Technical College
Grades: 10-12 **Prerequisite:** Soils and Plant Science recommended, but not required
Credit: .5, Semester Course

This course is designed for scholars 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. Scholars learn how to plant, prune, and maintain a variety of species. The class is laboratory-based and requires that scholars work well independently and in small groups. Recommended for all scholars 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, scholars in grades 10-12 earning a C or better may earn credits from Gateway Technical College.

AGRICULTURAL STRUCTURES/HOW TO
VAGR0212A0

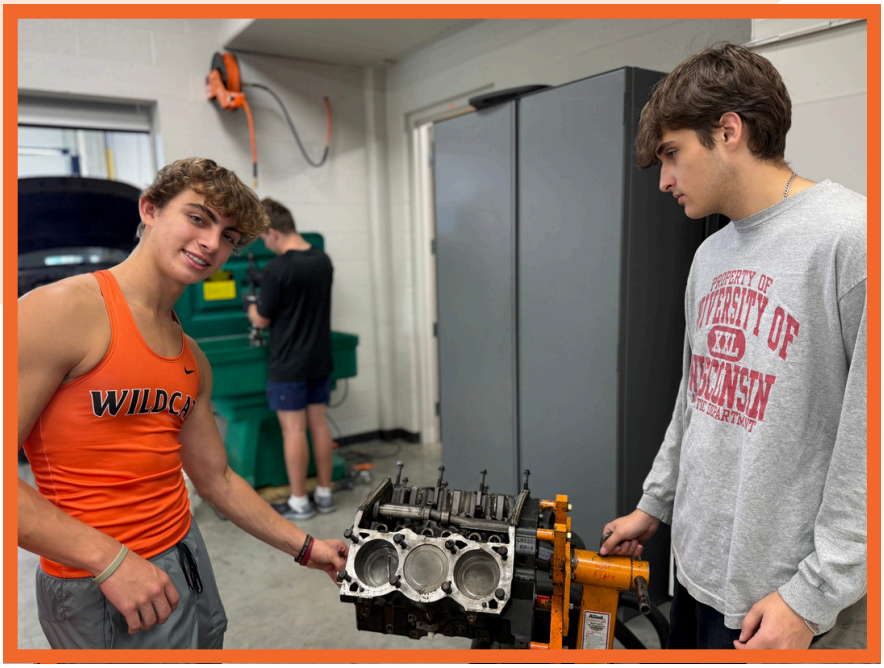
Grades: 10-12 **Prerequisite:** None
Credit: .5, Semester Course

Scholars engage in project-based learning to explore the fundamental structures, tools, and systems used in agriculture and agribusiness. Emphasis is placed on problem-solving, creativity, and hands-on techniques that reflect real-world applications. Course content includes floral design, agribusiness concepts, pet products and care, food preservation, and horticulture. Scholars work extensively in the greenhouse and complete upcycling projects that repurpose materials for agricultural, floral, or environmental use. This course is recommended for scholars interested in careers in Agriculture, Food, Natural Resources and Entrepreneurship."

POWER MECHANICS
VAGR0112A0

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

This is a hands-on class for scholars who want to know how power equipment works. Prior knowledge or experience is not necessary. During class, scholars work on gas engines, taking them apart and re-assembling them to work better than new! In the process scholars gain knowledge and familiarity with a variety of tools. This class is useful for all scholars 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 scholars 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, scholars must be motivated to work independently and in small groups. Scholars should enjoy solving problems and have a respect for detail as well as a strong interest in mechanics. Recommended for scholars 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 (DE)
VAGR0218A1
Dual Credit through Mid-State Technical College

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 (DE) - SCIENCE CREDIT
VAGR0130A0
Dual Credit through Mid-State Technical College

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, scholars in grades 10-12 earning a C or better may earn credits from Mid-State Technical College.

INTRO TO FOOD SCIENCE
VAGR0132A0

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

Designed for scholars 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 scholars an opportunity to explore Agriculture and Food Science. This course will look at all the processes involved in getting food from the field to your table. We will learn about different agricultural practices involved in food production. This course will include many fun hands-on activities, including learning basic cooking skills.

INTRO TO FOOD SCIENCE - MENTOR
VAGR0920A0

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

This course provides regular education scholars the opportunity to partner with scholars with special needs to learn about Agriculture. Scholars are expected to participate in all class activities, which include hands-on activities, labs, projects, and assisting in the Agriculture kitchen and Greenhouse. Introduction to Food Science is an introductory course to provide scholars with an IEP an opportunity to explore Agriculture and the Food Sciences. Scholar mentors will learn strategies for working with scholars in an inclusive environment and demonstrate knowledge of working with scholars with various disabilities. We will learn about 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. We will also learn how agricultural commodities get from the Farm to the table and practice skills in harvest, preparation, and cooking of food products. This course provides relevant content for scholars interested in careers in the Agriculture, Education & Training, and Human Services Career Clusters. Scholars will be asked to participate in a 2-hour session before the start of classes to review what it means to be a mentor.

BIOTECHNOLOGY (DE) - SCIENCE CREDIT
VSCI0106A0
Dual Credit through Madison College

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. Scholars 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 scholars 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 scholars interested in careers in these career clusters: Agriculture, Food, & Natural Resources and Science, Technology, Engineering & Mathematics. Serves as a prerequisite for Advanced Biotechnology.

BIOTECHNOLOGY (DE) - BLENDED - SCIENCE CREDIT
VSCIB106A0
Dual Credit through Madison College

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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 27.

ADVANCED BIOTECHNOLOGY (DE) - SCIENCE CREDIT
VSCI0206A0
Dual Credit through Madison College

Grades: 10-12 **Prerequisite:** Biology and Biotechnology
Credit: .5, Semester Course, Cross-listed with Science Department for science credit

This course offers scholars an opportunity to study the latest research and breakthroughs in the cutting-edge field of biotechnology. This is a laboratory course, and scholars 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, scholars 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 scholars 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 scholars interested in careers in these career clusters: Agriculture, Food, & Natural Resources and Science, Technology, Engineering, and Mathematics.

ADVANCED BIOTECHNOLOGY (DE) - SCIENCE CREDIT - BLENDED
VSCIB206A0
Dual Credit through Madison College

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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 27.

PLTW - PRINCIPLES OF BIOMEDICAL SCIENCE
VSCI0199A1 = SEM 1
VSCI0199B2 = SEM 2

(College Credit eligible upon successful completion of End of Course Exam)
Grades: 9-12
Credit: 1.0, Year-long Science elective credit

Scholars 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 scholars 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.

Scholars 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**

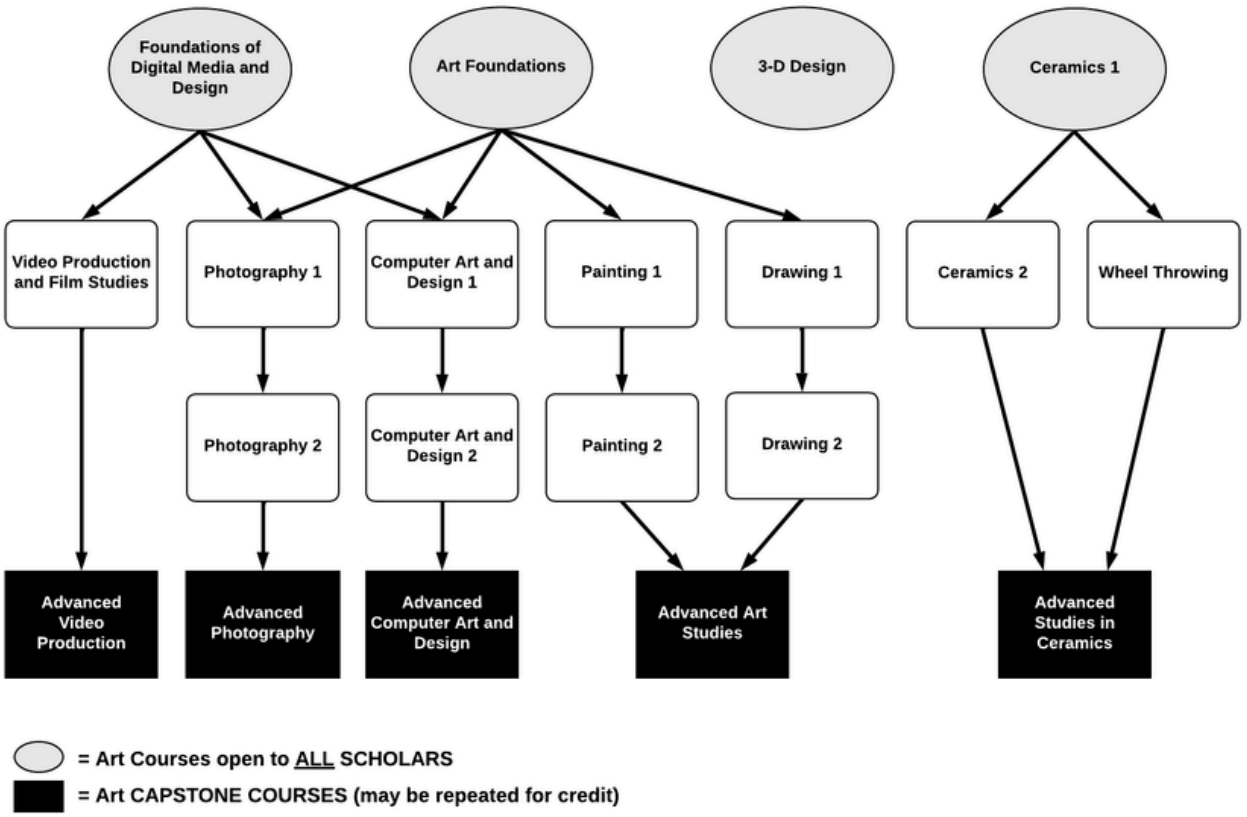
These rigorous one- or two-year programs include pathways for:
Animal Fundamentals, Animal Herd, Dairy Grazier, Small Animal Vet Tech, Plant Fundamentals, Crops, Floral/Greenhouse, Landscaping, Arborist, Environmental Systems - Water Resources, Agricultural Mechanic, Bioscience Lab Foundations, Bioscience Applications

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

ART

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

Art Department Course Pathways



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Art Foundations	VART0100A0	9-12	Entry-level course, no prerequisite	Semester
Foundations of Digital Media and Design	VART0154A0	9-12	Entry-level course, no prerequisite	Semester
Photography	VART0106A0	9-12	Art Foundations of Foundations of Digital Media and Design	Semester
Photography 2	VART0206A0	10-12	Photography 1	Semester
Advanced Photography	VART0306A0	10-12	Photography 2	Semester
Ceramics	VART0112A0	9-12	Entry-level course, no prerequisite	Semester
Ceramics 2	VART0212A0	9-12	Ceramics 1	Semester
Wheel Throwing	VART0255A0	9-12	Ceramics 1	Semester
Advanced Ceramics	VART0312A0	10-12	Ceramics 2 or Wheel Throwing	Semester
3-D Design	VART0160A0	9-12	Entry-level course, no prerequisite	Semester
Computer Art and Design	VART0124A0	9-12	Art Foundations of Foundations of Digital Media and Design	Semester
Computer Art and Design 2	VART0224A0	10-12	Computer Art and Design	Semester
Computer Art and Design - Advanced Study	VART0324A0	10-12	Computer Art and Design 2	Semester
Drawing	VART0130A0	9-12	Art Foundations	Semester
Drawing 2	VART0230A0	10-12	Drawing 1	Semester
Painting	VART0136A0	9-12	Art Foundations	Semester
Painting 2	VART0236A0	10-12	Painting 1	Semester
Advanced Art Studies	VART0318A0	10-12	Drawing 2 or Painting 2	Semester
Video Production and Film Studies	VART0254A0	9-12	Foundations of Digital Media and Design	Semester
Advanced Video Production	VART0354A0	10-12	Video Production and Film Studies	Semester

ART FOUNDATIONS
VART0100A0

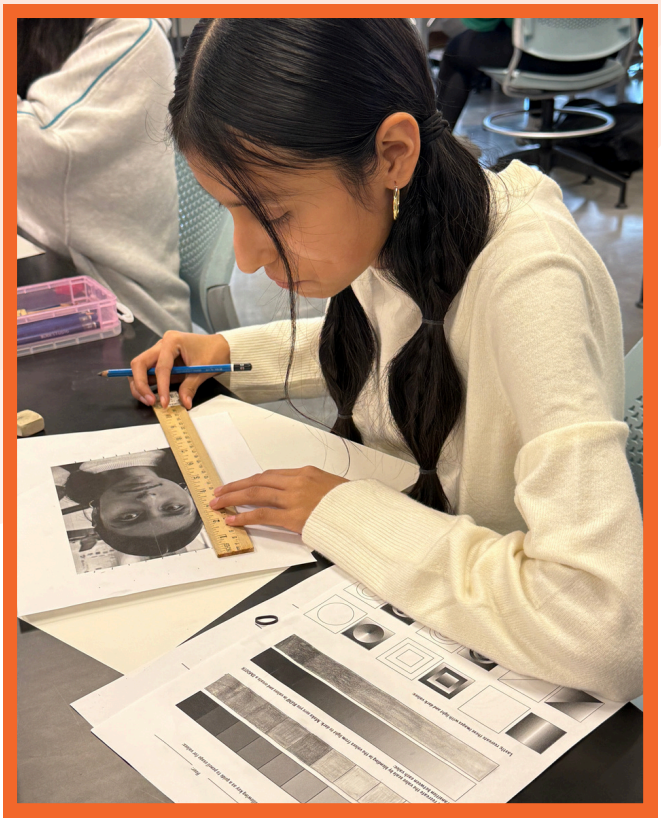
Grades: 9-12 **Prerequisite:** None
Credit: .5, Semester Course

This is a studio art class for scholars who want to explore and develop their artistic skills using various media and techniques. No previous art experience necessary! Scholars 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. Scholars 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 scholars who want to explore and develop their artistic skills using various media and techniques. No previous art experience necessary! Scholars 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. Scholars 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
VART0106A0

Grades: 9-12 **Prerequisite:** Art Foundations OR Foundations of Digital Media & Design
Credit: .5, Semester Course

Photography is a semester-long class for scholars who want to develop their design skills in effective image making. This course is recommended for scholars who want to expand their expertise in photography for everyday enjoyment or as a career. Scholars of all abilities 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 scholarly initiative and creativity and requires trustworthiness and problem-solving skills.

PHOTOGRAPHY 2
VART0206A0

Grades: 10-12 **Prerequisite:** Photography 1
Credit: .5, Semester Course

Photography 2 is a semester-long class for scholars who have already taken Photography and want to further develop their design skills in effective image making. This course is recommended for scholars 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.

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 scholars 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, scholars will design their own curriculum and contract to complete an independent portfolio of projects. Scholars 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. Scholars 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.

CERAMICS
VART0112A0

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

This class welcomes scholars to the clay world where both hand-built and wheel-thrown forms are created and glazed. Scholars 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. Scholars also learn to use electric fire glazing techniques. No prior experience with clay is required, but scholars should have a willingness to take risks, work hard, and solve problems. The 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

Scholars 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 scholars to use an art vocabulary and knowledge of design principles for discussion and critiquing. Scholars 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 scholars who 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 scholar having access to their own wheel for the duration of the semester. Scholars 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 scholar 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 scholars 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. Scholars learn how to make clay and glazes, load kilns, and participate in advanced studio maintenance. Scholars 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, scholars tackle large sculptural design problems and smaller, workshop-type assignments. We will study contemporary and historical artists to build a breadth of vocabulary and material processes. Scholars will learn how to incorporate positive/negative space into their work, use additive and subtractive sculpting and carving techniques, use mold-making to create scholar-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
VART0124A0

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 scholar choice.

COMPUTER ART AND DESIGN 2
VART0224A0

Grades: 10-12 **Prerequisite:** Computer Art & Design
Credit: .5, Semester Course

Primarily a process- and project-based course, Computer Art & Design 2 is for scholars 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 the scholar's choice. Scholars must be independent, trustworthy, and willing to take initiative.

COMPUTER ART AND DESIGN - ADVANCED STUDY
VART0324A0

Grades: 10-12 **Prerequisite:** Computer Art & Design 2
Credit: .5, Semester Course

This is an advanced graphic design course for scholars who are highly motivated, self-disciplined, and enthusiastic about completing numerous independent projects using a variety of Adobe Creative Cloud software and art styles. Scholars learn how to identify problems, create solutions, and manage time and technology while working in a community setting. Scholars 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 scholars in various capacities.

DRAWING
VART0130A0

Grades: 9-12 **Prerequisite:** Art Foundations
Credit: .5, Semester Course

Scholars of all ability levels who want to further develop their drawing skills with various techniques and media are welcome in this course. Scholars 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 scholars who are enrolled in or plan to enroll in painting.

DRAWING 2
VART0230A0 -

Grades: 10-12 **Prerequisite:** Drawing 1
Credit: .5, Semester Course

Offered for scholars 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
VART0136A0

Grades: 9-12 **Prerequisite:** Art Foundations
Credit: .5, Semester Course

Scholars 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. Scholars of all ability levels are welcome. Because this is a project- and process-based course, scholars must successfully manage time and materials in a community setting.

PAINTING 2
VART0236A0

Grades: 10-12 **Prerequisite:** Painting 1
Credit: .5, Semester Course

Offered for scholars 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 scholars interested in careers in the arts, teaching, professional design, and audio/video technology and communications, involvement in the arts equips scholars for success in a broader range of settings as well.

ADVANCED ART STUDIES
VART0318A0

Grades: 10-12 **Prerequisite:** Drawing 2 or Painting 2
Credit: .5, Semester Course

Advanced Art Studies presents the serious art scholar the opportunity to work independently and enhance knowledge and skills developed in previous art coursework. Scholars should be highly motivated, self-disciplined, and enthusiastic about completing numerous independent projects using a variety of art media and styles. Scholars learn how to identify problems, create solutions, and manage time and materials. Scholars 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 scholars interested in the various aspects of video production and filmmaking, including scripting, acting, directing, filming, and editing. Scholars work collaboratively to produce projects that may include elements of documentary filmmaking, public service announcements, live events, and short feature films. Activities are project-based and accompanied by study on the evolution of cinema, various film genres, famous directors, film production roles, film criticism, and award-winning screenplays. Scholars learn to use studio-quality video editing software, digital camcorders, and sound/lighting equipment. The class encourages scholar initiative and creativity and requires trustworthiness and problem-solving skills. This course is recommended for scholars 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 scholars with the passion, motivation, self-discipline, and technical skill to produce a portfolio of independent films. Together with the instructor, scholars design their own curriculum and contract to complete their own independent portfolio of projects. Scholars 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 scholars interested in these career pathways: Arts, Audio/Video Technology and Communications and Information Technology.

Scholars 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:

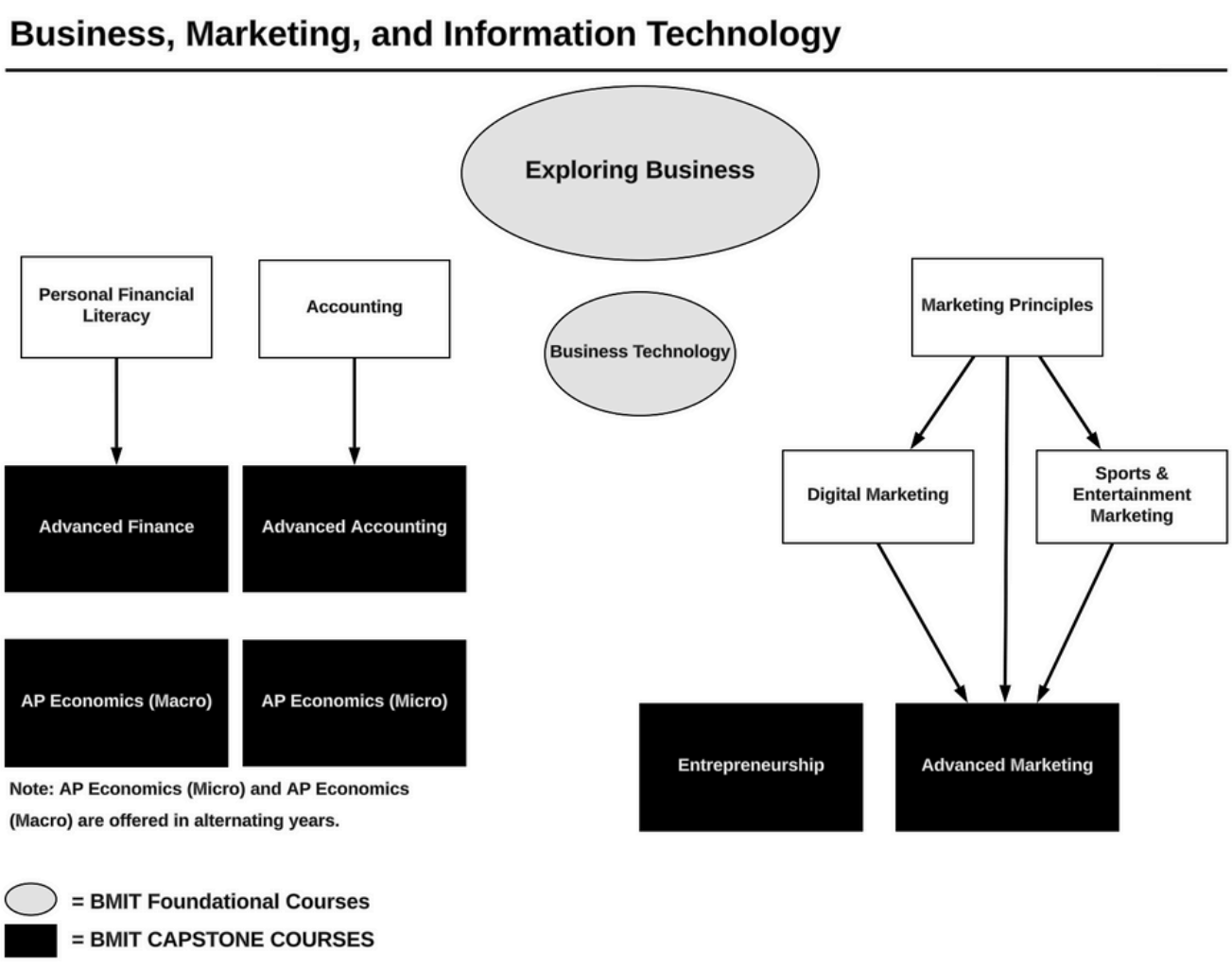
- **Arts, A/V technology & Communications**

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.

BUSINESS, MARKETING, & INFORMATION TECHNOLOGY

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.



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Exploring Business	VBUS0105A0	9-12	None	Semester .5
Personal Financial Literacy	VBUS0101A0	10-12	None	Semester .5
Advanced Finance	VBUS0206A0	11-12	Personal Financial Literacy	Semester .5
Business Technology (DE - MATC)	VBUS0155A0	9-12	None	Semester .5
Marketing Principles (DE - MATC)	VBUS0108A0	10-12	None	Semester .5
Digital Marketing (DE - MATC)	VBUS0137A0	10-12	None	Semester .5
Sports & Entertainment Marketing	VBUS0162A0	10-12	None	Semester .5
Advanced Marketing (DE - MATC)	VBUS0170A1 - Sem1 VBUS0170B2 - Sem2	11-12	Marketing Principles	Year-long 1
AP Economics - Macro	VBUS0400A1 - Sem1 VBUS0400B2 - Sem2	9-12	None, college level course	Year-long 1
AP Economics - Micro	VBUS0406A1 - Sem1 VBUS0406B2 - Sem2	9-12	None, college level course	Year-long 1
Accounting	VBUS0301A1	10-12	None	Semester .5
Advanced Accounting	VBUS0301B2	11-12	Accounting	Semester .5
Entrepreneurship (DE - MATC)	VBUS0306A0	11-12	None	Semester .5

EXPLORING BUSINESS
VBUS0105A0

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

Exploring Business introduces you to the fast-moving world of business through creative projects, hands-on challenges, and real-world simulations. You'll get a taste of marketing, finance, business management, ethics, and communication as you design products, build mini marketing campaigns, solve workplace scenarios, and make smart money decisions. This class is all about discovering how businesses shape everyday life and how you can be part of it. This course prepares scholars for the ASK Fundamentals of Business Concepts industry certification exam. Whether you're curious about future career paths or just love learning by doing, this course gives you a fun, interactive launch into the world of business.

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.

ADVANCED FINANCE
VBUS0206A0

Grades: 11-12 **Prerequisite:** Personal Financial Literacy **Credit:** .5, Semester Course

Interested in investing, building wealth, or understanding how money really works? This course takes you beyond the basics to explore how financial decisions shape both personal success and business growth. In this course, scholars dive into advanced concepts of business finance, accounting, investing, and financial strategy. Using real-world data and hands-on projects, scholars will analyze financial statements, evaluate investment options, and model business outcomes using spreadsheets. This course prepares scholars for the ASK Concepts of Finance industry certification exam and builds critical skills in ethical decision-making, problem-solving, and financial communication. Ideal for scholars planning to study finance, accounting, business analytics, or management in college or pursue careers in the financial industry.

BUSINESS TECHNOLOGY (DE - MATC)
VBUS0155A0
Dual Credit through Madison College

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

This course builds scholars' skills in Microsoft Word, Excel, PowerPoint, and other Office applications used in today's business world. Through hands-on projects, scholars learn how technology supports communication, organization, and productivity in the workplace. By the end of the course, scholars will be prepared to earn the Microsoft Office Specialist (MOS) certification, demonstrating industry-recognized proficiency in Microsoft Office programs. This certification gives scholars a competitive edge for future education, employment, and leadership opportunities.

MARKETING PRINCIPLES (DE - MATC)
VBUS0108A0
Dual Credit through Madison College

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

Marketing Principles takes you deeper into the exciting world of marketing and shows you how companies turn ideas into products people can't wait to buy. In this hands-on, project-driven course, you'll create campaigns, analyze customer behavior, design brand assets, and develop marketing strategies that real businesses use every day. Through simulations, creative challenges, and real-world examples, you'll learn what makes a product stand out in today's competitive market. This course prepares scholars for the ASK Fundamental Marketing Concepts industry certification exam. If you're ready to build your marketing skills, think creatively, and bring big ideas to life, this class is your launchpad into the world of marketing.

DIGITAL MARKETING (DE - MATC)
VBUS0137A0
Dual Credit through Madison College

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, scholars 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
VBUS0162A0

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. Scholars will learn the fundamental principles and concepts identified with the sports and entertainment marketing industry through real-life scenarios and simulations. Scholars 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, scholars will develop logos, plan stadium or stage layouts, design and determine ticket prices, develop merchandise, and promote their team or concert.

ADVANCED MARKETING (DE - MATC)
VBUS0170A1
VBUS0170B2
Dual Credit through Madison College

Grades: 11-12 **Prerequisite:** Marketing Principles **Credit:** 1, Year Course

Advanced Marketing takes your marketing knowledge to the next level by combining deeper classroom learning with real-world retail experience in the school store. In this advanced, hands-on course, you'll apply the 7 Functions of Marketing through managing store operations, creating promotional campaigns, analyzing sales data, building merchandise displays, and developing strategies that directly impact your school community. Scholars gain career-ready skills in marketing, management, and selling while helping make the school store a vibrant hub of school culture. Whether you're dreaming of running a business or want meaningful real-world experience, Advanced Marketing puts you in the driver's seat.

AP ECONOMICS - MACRO
VBUS0400A1 = SEM 1
VBUS0400B2 = SEM 2 - AP

Grades: 9-12 **Prerequisite:** None, however, this is a college-level course and scholars 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 2027-28 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 scholars 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 scholars' 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. Scholars 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

Discover how money really moves in the world of business! In this course, you'll learn the fundamentals of accounting—the language every successful business speaks. You'll practice recording transactions, posting to ledgers, preparing financial statements, and analyzing business performance. Through interactive projects and real-world examples, you'll see how accurate financial information helps businesses make smart decisions. Whether you dream of running your own company, working in finance, or simply managing your own money better, accounting gives you the skills to understand and take control of financial success.

ADVANCED ACCOUNTING
VBUS0301B2

Grades: 11,12 **Prerequisite:** Accounting **Credit:** .5, Semester Course

Take your accounting skills to the next level with this college-level course designed for scholars ready to dive deeper into the world of business finance. You'll build on your foundational knowledge by analyzing complex transactions, preparing financial statements for various types of businesses, and exploring topics such as payroll, inventory, and financial reporting. Scholars will gain hands-on experience using QuickBooks and can earn industry-recognized QuickBooks certifications. This course also prepares scholars to take the Financial Accounting CLEP exam, offering the opportunity to earn college credit while still in high school. Perfect for scholars interested in business, finance, or accounting careers.

ENTREPRENEURSHIP (DE - MATC)
VBUS0306A0
Dual Credit through Madison College

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.

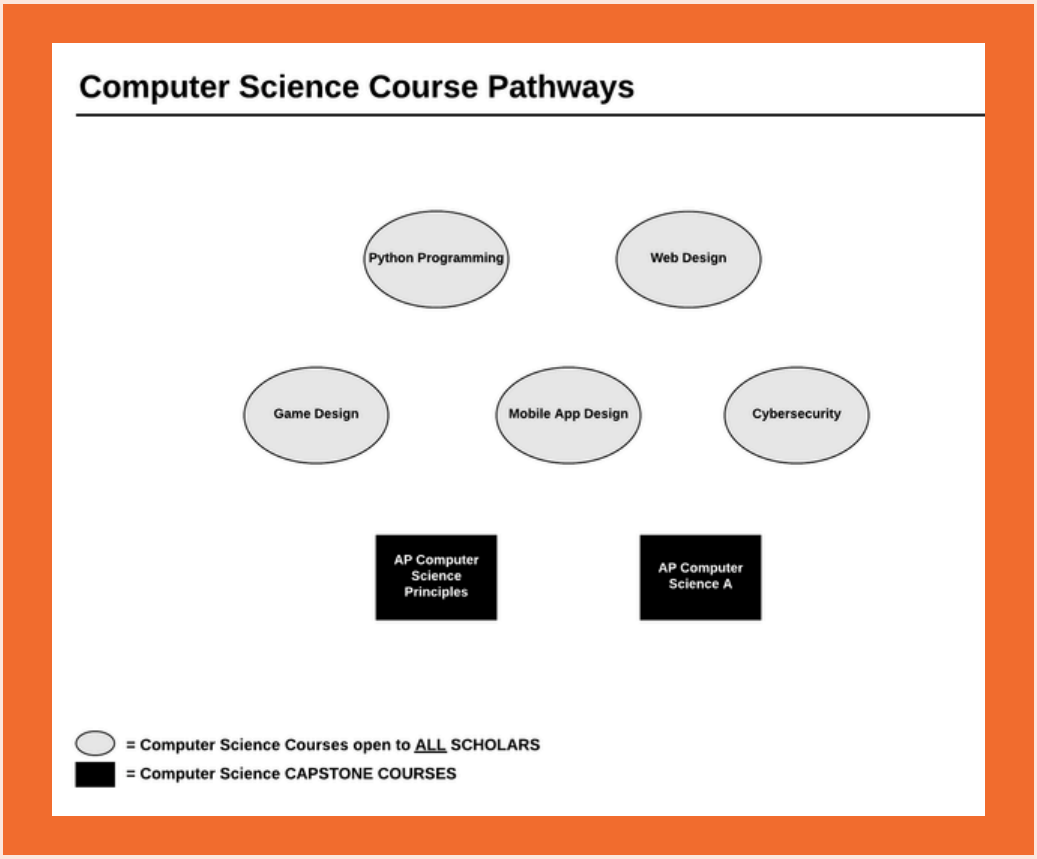
Scholars entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a **YOUTH APPRENTICESHIP** in one of the following program areas:

- **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 TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Game Design	VCES0206A0	9, 10, 11, 12	None	Semester .5
Mobile App Design	VCSE0212A0	9, 10, 11, 12	None	Semester .5
Cybersecurity	VCSE0218A0	9, 10, 11, 12	None	Semester .5
Web Design	VCSE0224A0	9, 10, 11, 12	None	Semester .5
Python Programming	VCSE0230A0	9, 10, 11, 12	None	Semester .5
AP Computer Science Principles	VCES0406A1 - Sem1 VCES0406B2 - Sem2	9, 10, 11, 12	None	Year-long 1
AP Computer Science A	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 scholars 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 scholars 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 scholars to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, scholars solve problems by understanding and closing these vulnerabilities. This course raises scholars' knowledge of and commitment to ethical computing behavior. It also aims to develop scholars' 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 scholars 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 scholar-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 scholars 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 scholars 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 scholars 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 scholars who plan to major in disciplines that require significant involvement with computer technology. Scholars 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. The course utilizes a college-level curriculum, and scholars are required to have strong computational thinking and study skills. This course is recommended for scholars interested in the Programming and Software Development Pathway of the Information Technology Career Cluster.

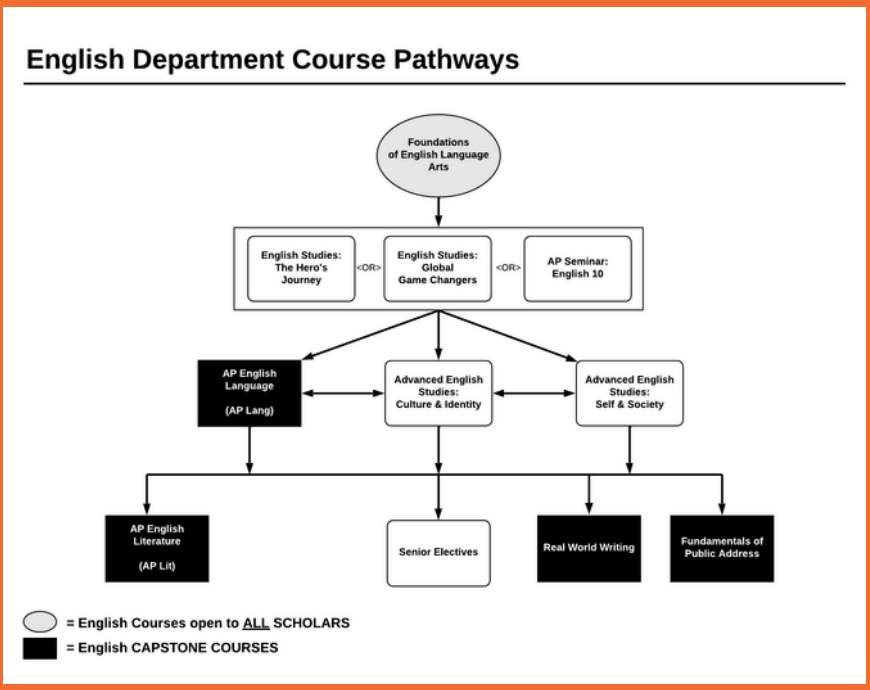
Scholars entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a **YOUTH APPRENTICESHIP** in one of the following program areas:

- **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



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

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Principles of Literacy	ENG0106A1 - Sem1 VENG0106B2 - Sem2	9-10	Consent of Literacy Coordinator	Semester .5
Foundations of Language Arts	VENG0101A1 - Sem1 VENG0101B2 - Sem2	9	None	Year-long 1
English Studies - The Hero's Journey	VENG0212A1 - Sem1 VENG0212B2 - Sem2	10	None	Year-long 1
English Studies - Global Game Changers	VENG0206A1 - Sem1 VENG0206B2 - Sem2	10	None	Year-long 1
AP Seminar English 10	VENG0231A1 VENG0231B2	10	None	Year-long, 1.0
Advanced English Studies - Self and Society	VENG0301A1 - Sem1 VENG0301B2 - Sem2	11	None	Year-long 1
Advanced English Studies - Culture and Identity	VENG0302A1 - Sem1 VENG 0302B2 - Sem2	11	None	Year-long 1
AP English - Language and Composition	VENG0406A1 - Sem1 VENG0406B2 - Sem2	11-12	None	Year-long 1
AP English - Literature and Composition	VENG0412A1 - SEM1 VENG0412B2 - SEM2	11, 12	None	Year-long 1
Page to Stage - The Art of Theatrical Adaptation	VENG0348A0	9-12	None	Semester .5

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Gender in Literature	VENG0354A0	11-12	Completion of concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
Art of Persuasion	VENG0318A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
Art of Persuasion - Blended	VENGB318A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
Creative Writing	VENG0330A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
Creative Writing - Blended	VENGB330A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
Fundamentals of Public Address (DE - UWGB)	VENG0360A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
Fundamentals of Public Address (DE - UWGB) Blended	VENGB360A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
Finding Your Authentic Voice	VENG0314A1 VENG0314B2	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Year-long, 1.0
Real World Writing (DE - MATC)	VENG0310A0	11-12	Completion or concurrent enrollment in either Advanced English Studies or AP English-Language and Composition	Semester .5
Nonfiction Writing Project (Newspaper)	VENG0330A1 VENG0330B2	10-12	None	Year Course 1.0
Yearbook Production	VENG0148A1 VENG0148B2	9-12	None	Year-long, 1.0
Intro to American Schools and Culture	VELL0100A1 VELL0100B2	9-12	Available to Newcomers to the United States Only	Year Course 1.0

PRINCIPLES OF LITERACY
VENG0106A1 = SEM 1
VENG0106B2 = 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 scholar growth in the areas of reading and writing. Scholars will approach and comprehend text at their instructional and grade levels, develop methods to learn and integrate vocabulary, and enhance general reading strategies. Scholars will build their skills through shared, guided, and independent reading.

FOUNDATIONS OF LANGUAGE ARTS
VENG0101A1 = SEM 1
VENG0101B2 = 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 the foundational skills that scholars will need for success in the rest of high school. Scholars 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 scholars a rich and complex look at universal themes and societal issues. Scholars write analytical essays, 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. *Scholars 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
VENG0212A1 = SEM 1
VENG0212B2 = 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. Scholars 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, scholars will also develop their vocabulary and grammar skills.

ENGLISH STUDIES - GLOBAL GAME CHANGERS
VENG0206A1 = SEM 1
VENG0206B2 = 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. Scholars 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. 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 scholars in cross-curricular conversations that explore the complexities of academic and real-world topics. Scholars practice reading and analyzing articles, research studies, and literary texts. Scholars 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. Scholars should expect to read a variety of fiction and non-fiction texts. Scholars will learn to research responsibly and adeptly and to utilize that information in their writing. Ultimately, the course aims to equip scholars 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
Scholars will move from a personalized to a global view of their world. Scholars 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, scholars will read and write personal narratives to help them explore their identity. In the Building Perspectives unit, scholars 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.
In the second semester, scholars will analyze individual choice novels to gain a greater understanding of their own values. Next, scholars will explore how our actions can impact others on a global scale through a novel study of Night. Finally, scholars 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, scholars 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 scholars to think about cultural identity alongside writers and other scholars whose work we will read, discuss, and write about. In addition, scholars 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 discrimination for others. Scholars will read a wide variety of fiction and nonfiction texts focusing on African-American, Latinx, Indigenous, and Asian American literature. Scholars 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, scholars 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
VENG0406A1 = SEM 1
VENG0406B2 = SEM 2

Grades: 11-12

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

Note: Scholars 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 scholars to analyze text for how the author used language to achieve purpose or effect. Scholars 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, scholars 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, scholars will be prepared to take AP English Literature and Composition or English Electives.

AP ENGLISH - LITERATURE AND COMPOSITION
VENG0412A1 = SEM 1
VENG0412B2 = SEM 2

Grades: 11, 12 **Prerequisites:** None
Credit: .5, Semester Course **Fees:** $110 AP test fee
Note: Scholars are more successful in AP Lit when they have taken AP Lang first.
Designed to come after AP English Language, this college-level class delves into analyzing fiction texts such as novels, plays, and poems in order to gain a better understanding of the wider human experience as expressed by literature. The literature reflects voices and perspectives from various walks of life as it explores the specific literary techniques and their effect on the work as a whole. Scholars will apply skills of active reading, large and small group discussion, and literary analysis learned in other classes. Scholars will also learn how to apply composition skills in order to persuasively express complex claims. This class is ideal for the scholar going into liberal arts or simply an avid reader of literary fiction who would enjoy diving deep into the "big ideas" of texts with their classmates. Scholars may earn college credit if they pass the AP exam.

PAGE TO STAGE - THE ART OF THEATRICAL ADAPTATION
VENG0348A0

Grades: 9-12 **Prerequisite:** None
Credit: .5, Semester Course
Page to Stage is designed for scholars interested in studying various literary and dramatic works as well as scholars 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. Scholars 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. Scholars 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
VENG0354A0

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, scholars will examine the roles that gender, gender identity, and romantic orientation play in how writers and their work are understood and received. Scholars 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. Scholars will seek to understand the ideas and values that define these societal roles while also learning to distinguish between the characteristics of said roles. Scholars will participate in group presentations, practice analytical writing, and read novels as well as various stories and essays. Scholars who enroll in this class should be able to read both fiction and nonfiction proficiently, be willing to actively participate in discussions, and be interested in learning more about the issue of gender and its portrayal in contemporary literature.

ART OF PERSUASION
VENG0318A0

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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 27.

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. Scholar 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 scholars 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.*

CREATIVE WRITING
VENG0330A0

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. 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 build writing skills. 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, nonfiction writing, and the work of scholar peers. Emphasis will be made on leaning from model texts, focused mini-analysis of texts, peer critiquing, revision techniques, participating in the writing process, the sharing of work and thought, and metacognitive thinking.

CREATIVE WRITING - BLENDED
VENGB330A0

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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 27.

FUNDAMENTALS OF PUBLIC ADDRESS (DE - UWGB)
VENG0360A0
Dual Credit available through UW-Green Bay

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. Scholars will be required to research and present several prepared, in-class speeches. At the end of this class, scholars 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, scholars 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 (DE - UWGB) - 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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 27.

REAL WORLD WRITING (DE - MATC)
VENG0310A0
Dual Credit with Madison College

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 scholars for post-secondary writing. This includes college/scholarship essays, a narrative essay, a comprehensive

research paper, self-reflections as well as many smaller pieces. Scholars 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 scholar 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.

NONFICTION WRITING PROJECT (NEWSPAPER)
VENG0330A1 = SEM 1
VENG0330B2 = SEM 2
Grades: 10-12 **Prerequisite:** None
Credit: 1, Year Course

Scholars who are passionate about writing, photojournalism, or graphic design; thrive in collaborative environments; work well with strict deadlines; communicate confidently with peers; and grow from both public and private feedback are encouraged to apply for this intensive, college-bound course. As the production team behind The Catalyst—Verona Area High School's scholar newspaper—journalism scholars will engage in every stage of publication: researching, interviewing, writing, photographing, editing, designing, and distributing each issue.

Because this is a co-curricular class, expectations extend beyond the school day. Scholars will sell advertisements, interview sources, edit peers' work, take and curate photographs, and use Adobe InDesign and related design tools to lay out newspaper pages. Layout sessions, in particular, may require a commitment of five or more hours after school during pre-scheduled meetings each month. All members of the staff will contribute multiple significant pieces of writing and/or visual storytelling throughout the year, each undergoing drafting, editing, and revision cycles.

This fast-paced, authentic newsroom experience is ideal for scholars interested in journalism, photojournalism, graphic design, teaching, editing, publishing, marketing, communications, and art or digital design. Scholars should be ready to challenge themselves, manage time effectively, and take pride in producing high-quality work for a real audience.

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 scholars interested in graphic design, photography, journalism, marketing and publishing. Course content includes selling and designing ads, creating layouts, interviewing scholars and staff, filming and photography, and writing articles for publication. Scholars must be reliable, organized, and independent. Outside-of-class homework and collaboration will be required. Scholars will use Josten's Yearbook Avenue software as well as Mac computers, scanners, and digital cameras. Smartphones will not be used as photography devices and are not required to participate.

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

FAMILY AND CONSUMER SCIENCE

Family & Consumer Sciences Pathways

Hospitality

- Culinary 1 → Culinary 2 → Culinary 3
- Baking and Pastries
- Professional Culinary Intro → Professional Culinary Advanced

Human Services

- Introduction to Educational Careers
- Child Development: Infant
- Working with Children (Semester) → Working with Children Advanced (Semester)

Design

- Housing and Interiors
- Textile and Fashion Design

Health Sciences

- Nursing Assistant (Fall or Spring)

= Family & Consumer Science Courses open to ALL SCHOLARS

= Family & Consumer Science CAPSTONE COURSES

*Grade level requirements may apply for some courses. See course prospectus descriptions for details.

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 scholars who complete Culinary 1, Culinary 2, Professional Culinary Introduction and Professional Culinary Advanced and pass both Year 1 and Year 2 Exams. Scholars must also document 400 hours of work experience in the food service industry. These courses provide relevant content for scholars interested in careers in the Hospitality & Tourism Career Cluster.

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Culinary 1 - Beginning Foods	VFCS0100A0	9-12	None	Semester .5
Culinary 2 - Advanced Foods	VFCS0200A0	9-12	Culinary 1	Semester .5
Professional Culinary Introduction	VFCS0401A0	10-12	Culinary 1 & 2	Semester .5
Professional Culinary Advanced	VFCS0501A0	10-12	Professional Culinary Intro	Semester .5
Culinary 3 - Foods Around the World	VFCS300A0	10-12	Culinary 1 & 2	Semester .5
Baking & Pastry Arts	VFCS0306A0	11-12	Culinary 1 & 2	Semester .5
Nursing Assistant - Fall (DE MATC) - or Nursing Assistant- Spring (DE - MATC)	VYOP0115A1 or VYOP0115A2	11-12	See Course Descriptions	Semester .5
Housing & Interiors	VFCS0218B0	11-12	None	Semester .5
Textile & Fashion Design	VFSC0219A0	9-12	None	Semester .5
Child Development - Infant	VFCS0213A0	9-12	None	Semester .5
Working with Children	VFCS0312A0	9-12	None	Semester .5
Working with Children - Advanced	VFCS0411A0	10-12	Working with Children	Semester .5
Introduction to Education Careers	VFCS0313A0	11-12	None	Semester .5

CULINARY 1 - BEGINNING FOODS
VFCS0100A0

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

Designed for scholars interested in studying basic kitchen skills, this entry-level course provides scholars with the opportunity to study cooking and baking terminology, the use and care of kitchen utensils, and menu planning & preparation. Coursework requires participation in labs and the completion of projects and tests. Scholars are encouraged to try new recipes at home. Scholars will be using the ServeSafe Food Handler curriculum covering topics like food safety, hygiene, cleanliness, safe workflow, workplace safety, and food service equipment. Weekly food labs will be an integral part of the course.

CULINARY 2 - ADVANCED FOODS
VFCS0200A0

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

Culinary 2 scholars will explore pies and pastries, cookies, breakfast foods, soups, sandwiches, and sauces. Scholars will utilize their Culinary 1 skills and further advance their culinary experiences in the lab. In addition, scholars will participate in class discussions and other activities designed for a more serious culinarian. Weekly food labs will be an integral part of the course and may also include catering school/community events.

CULINARY 3 - FOODS AROUND THE WORLD
VFCS0300A0

Grades: 10-12
Prerequisites: Culinary 1 & Culinary 2
Credit: .5, Semester Course

Culinary 3 is for the scholar 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. Scholars will utilize their skills in the classroom and culinary lab to continue to grow as a culinarian. Through research, food labs, and various projects, scholars 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 scholars interested in careers in the Hospitality & Tourism Career Cluster.

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. Scholars 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, and menu management. 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 scholars.

** If scholars 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, scholars 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 to focus on the skills needed for a career in the restaurant and foodservice industry. Scholars 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, and 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 possibly national competitions are possible opportunities for scholars.

*** If scholars 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, scholars 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.*

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. Some examples of lab experiences include; quick breads, yeast breads, cookies, pies and pastries, cakes and icing, custards, creams and sauces, and plated desserts.

NURSING ASSISTANT- FALL (DE - MATC) or NURSING ASSISTANT - SPRING (DE - MATC)
VYOP0115A1 or VYOP0115A2
Dual Enrollment with Madison College

Grade Level: 11, 12 **Prerequisites:** Must be age 16 and a junior or senior by course start date. All scholars 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 scholars take Medical Terminology or PLTW Biomedical Science pathway class(es) before enrolling in the Nursing Assistant course. ****Interested scholars 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. (Scholars 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 scholars 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, scholars will qualify to take the state certification exam. **The cost of this exam is approximately $120, and is the responsibility of the scholar.** Upon passing the state exam, scholars are placed on the WI Nursing Assistant state registry.

Note: Required clinical time will be scheduled outside of the normal school day. All Madison College policies, including the grading policy, will be followed.
Scholars 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, this class teaches scholars how the elements and principles of design are used in the housing industry. Topics include historical home styles, floor plan drafting, principles of design, furniture design, interior/exterior sketching, and careers in housing and interior design. Scholars will be tasked with bringing their designs to life with unit design challenges. This course provides relevant content for scholars 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 scholar interested in learning more about prenatal development and the developmental milestones of children, pre-conception through age one. Scholars 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 scholars interested in the “Education and Training” career cluster.

WORKING WITH CHILDREN
VFCS0311A0

Grades: 9-12 **Prerequisite:** None
Credit: .5, Semester Course
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 entire school year. VAHS will be offering a “Play Group” for community members to bring their 0-5-year-olds into Mrs.Stremlow’s classroom. The room will be transformed into a preschool/daycare setting to provide an authentic experience for the children and high school scholars alike. You will engage with the small children in free play, large motor activity time, and circle time. Working with Children is recommended for any scholar who loves kids and wants to learn more about how to actively and appropriately engage with them! Scholars may select this course for one or both semesters and can repeat multiple years. This course has an 80% attendance requirement.

WORKING WITH CHILDREN - ADVANCED
VFCS0411A0

Grades: 10-12 **Prerequisite**: Working with Children
Credit: .5, Semester Course
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 scholars' ability to work effectively with young children by exploring key areas such as nutrition, morning meetings, and individual skill development. This course will allow scholars to plan and implement their own activities while providing them with basic infant and toddler: physical, mental, emotional, and behavioral care skills. 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. Scholars may select this course for one or both semesters and can repeat multiple years. This course has an 80% attendance requirement.

INTRODUCTION TO EDUCATION CAREERS
VFCS0313A0

Grades: 11, 12 **Prerequisite:** None
Credit: .5, Semester Course

Are you considering a career in education? Do you have an 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, scholars will gain a better understanding of the world of education. Each scholar will gain hands-on experience through a practicum placement in an area of his/her choosing (daycare center, elementary classroom, high school classroom with scholars with IEPs, or with a school support team member). Scholars can expect to be a "scholar 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 scholars interested in the Educational and Training career cluster. Scholars may select this course for one or both semesters and can repeat it multiple years.

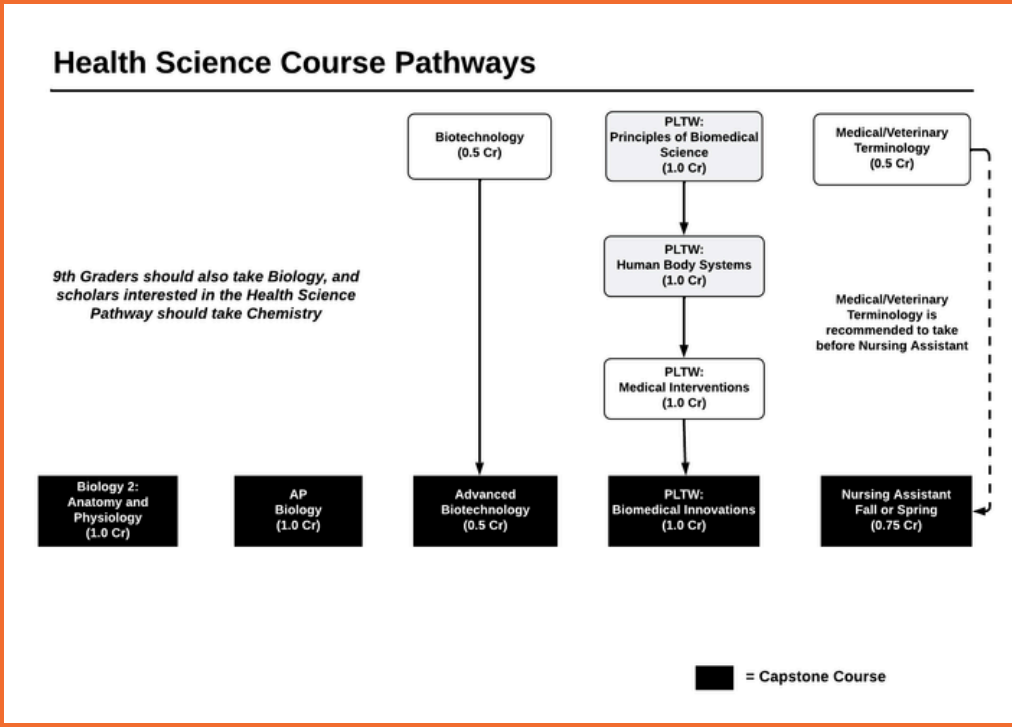
Scholars entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a **YOUTH APPRENTICESHIP** in one of the following program areas:

- **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.

HEALTH SCIENCE



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Biotechnology (DE - MATC)	VSCI0106A0	10-12	Biology	Semester .5
Advanced Biotechnology (DE - MATC)	VSCI0206A0	10-12	Biology & Biotechnology	Semester .5
Medical/Veterinary Terminology (DE - MATC)	VAGR0306B0	10-12	None	Semester .5
Nursing Assistant - Fall (DE - MATC) OR **Nursing Assistant - Spring (DE - MATC)**	VMAT0140A1 - Sem1 VMAT0150B2 - Sem2	11-12	See Course Descriptions	Semester .5
PLTW - Principles of Biomedical Science	VSCI0199A1 - Sem1 VSCI0199B2 - Sem2	9-12	None	Year-long 1
PLTW - Human Body Systems	VSCI0299A1 - Sem1 VSCI0299B2 - Sem2	9-12	PLTW - Principles of Biomedical Science or teacher approval	Year-long 1
PLTW - Medical Interventions	VSCI0399A1 - Sem1 VSCI0399B2 - Sem2	10-12	PLTW - Human Body Systems or concurrent enrollmebt	Year-long 1
PLTW - Biomedical Innovations Capstone Course	VSCI0499A1 - Sem1 VSCI0499B2 - Sem2	12	See course description	Year-long 1

BIOTECHNOLOGY (DE - MATC)
VSCI0106A0
Dual Credit through Madison College

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 scholar.
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 scholars interested in entering technical, medical, law enforcement, and laboratory or biotechnology fields.

ADVANCED BIOTECHNOLOGY (DE - MATC)
VSCI0206A0
Dual Credit through Madison College

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 scholar.
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, scholars 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 scholars interested in furthering their experience designing and executing laboratory procedures.

MEDICAL/VETERINARY TERMINOLOGY
VAGR0306B0
Dual Credit with Madison College

Grades: 9-12 **Prerequisite**: None
Credit: .5, Semester Course
Learning and building a medical vocabulary is an asset for scholars who may be interested in animal science and health care careers, as well as for scholars who are interested in matters of good health and pet care. Scholars 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, scholars will develop skills to better understand physiology, anatomy, and human/animal biology topics in the field of health and veterinary science. This course provides relevant content for scholars interested in careers in the Health Science and Animal Science Career Cluster.

NURSING ASSISTANT - FALL (DE - MATC) or NURSING ASSISTANT - SPRING (DE - MATC)
VYOP0115A1 or VYOP0115A2
Dual Enrollment with Madison College

Grade Level: 11, 12 **Prerequisites:** Must be age 16 and a junior or senior by course start date. All scholars 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 scholars take Medical Terminology or PLTW Biomedical Science pathway class(es) before enrolling in the Nursing Assistant course. ****Interested scholars 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. (Scholars 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 scholars 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, scholars will qualify to take the state certification exam. **The cost of this exam is approximately $120, and is the responsibility of the scholar.** Upon passing the state exam, scholars are placed on the WI Nursing Assistant state registry.

Note: Required clinical time will be scheduled outside of the normal school day.All Madison College policies, including the grading policy, will be followed.
Scholars are responsible to provide their own transportation to and from the clinical site.

PLTW - PRINCIPLES OF BIOMEDICAL SCIENCE
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.

Scholars 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 scholars 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
VSCI0299A1 = SEM 1
VSCI0299B2 = 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 is eligible upon successful completion of the End of Course Exam. This course will be offered at VAHS. Scholars examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Scholars 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, scholars 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.

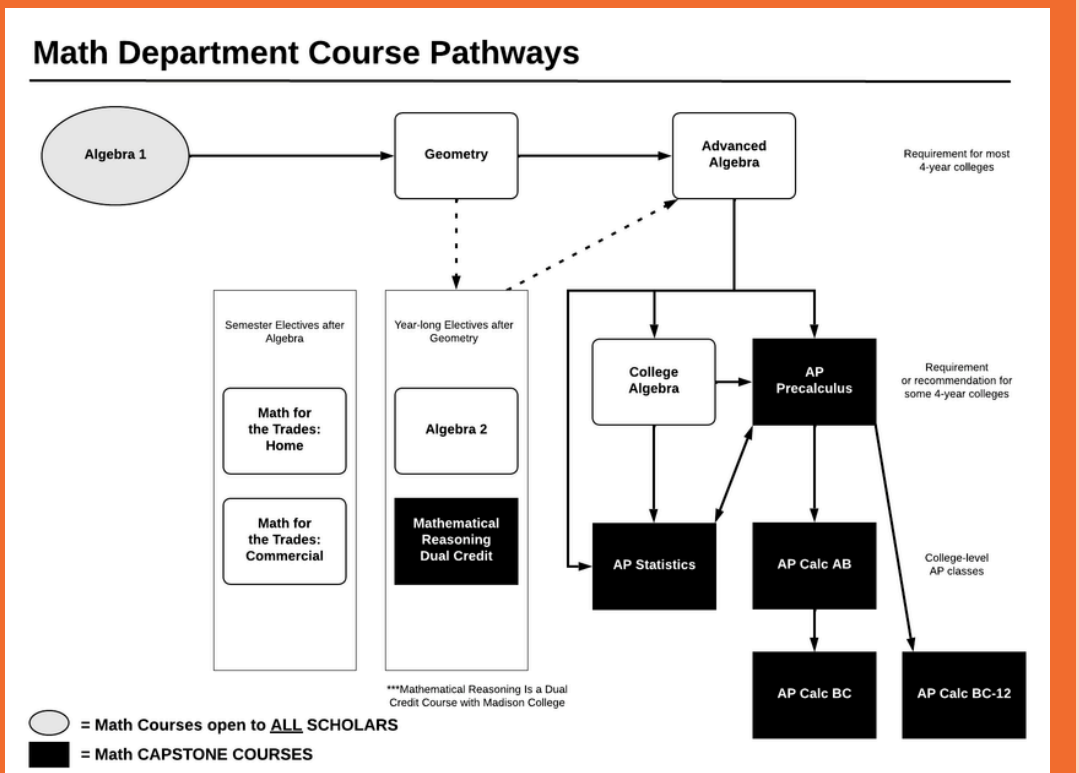
PLTW - MEDICAL INTERVENTIONS
VSCI0399A1 = SEM 1
VSCI0399B2 = SEM 2

Grades: 10-12
Prerequisite: Completion of or concurrent enrollment in Human Body Systems.
Credit: 1.0, Year-long Science elective credit
College Credit is eligible upon successful completion of the End of Course Exam.
Scholars 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 scholars 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, scholars are exposed to a 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 - BIOMEDICAL INNOVATIONS Capstone Course
VSCI0499A1 = SEM 1
VSCI0499B2 = SEM 2

Grades: 12 Senior Standing Only
Prerequisite: Completion of or concurrent enrollment in PBS, HBS, and MI, or consent of Global Academy Advisor.
Credit: 1.0, Year-long Science elective credit
In this capstone course, scholars apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Scholars 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, scholars are expected to present their work to an adult audience that may include representatives from local businesses and healthcare.

MATH



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Math Tutorial	VMAT0106A0	9-10	Teacher Placement	Semester .5
Math for the Trades - Home	VMAT0161A1	10-12	Algebra 1	Semester .5
Math for the Trades - Commercial	VMAT0171B2	10-12	Algebra 1	Semester .5
Algebra 1	VMAT0140A1 - Sem1 VMAT0150B2 - Sem2	9-12	None	Year-long 1
Geometry	VMAT0200A1 - Sem1 VMAT0210B2 - Sem2	9-12	Algebra 1	Year-long 1
Algebra 2	VMAT0300A1 - Sem1 VMAT0310B2 - Sem2	9-12	Algebra 1 and Geometry	Year-long 1
Mathematical Reasoning (DE - MATC)	VMAT0250A1 - Sem 1 VMAT0250B2 - Sem 2	11-12	Algebra 1 and Geometry	Year-long 1

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

4-Year 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 (or higher). AP Statistics usually does not count as the 4th core math class but it can count for college credit. Math for the Trades, Statistics, Mathematical Reasoning and Personal Financial Literacy do not count as core math classes for 4-year college admission.

MATH TUTORIAL
VMAT0106A0

Grades: 9-10 **Prerequisites:** Teacher Placement
Credit: .5, Semester
Math Tutorial is designed for scholars identified as needing academic support in Algebra 1. While this class is optional, scholars must be invited to participate. Scholars 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. Scholars will be offered instruction that offers applicable mathematics for technical and trades-related careers. In addition, scholars 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, and 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 drawings 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. Scholars will be offered instruction that offers applicable mathematics for technical and trades-related careers. In addition, scholars 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, year-long 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 right triangle trigonometry.

Geometry B is the second semester of a traditional year-long 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 (DE - MATC)
VMAT0250A1= SEM 1
VMAT0250B2 = SEM 2
Dual Credit with Madison College

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 and is a required course for many Associate Degree Programs at Madison College. All college scholars, 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. Scholars will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts.

Scholars who enroll in Mathematical Reasoning should know that this course may not count as a core math credit for admission to some 4-year colleges (including Direct Admit).

Madison College Credit Option: In addition to the 1.0 VAHS credit, scholars 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 scholar).

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 year-long high school 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 year-long class similar to a university-level college algebra class. It provides further study of advanced algebra concepts for scholars who need more preparation for Precalculus and AP Statistics. Scholars 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 scholars 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 scholars, 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, scholars study college-level statistics. The class examines descriptive statistics, experimental design, sampling distributions, probability, and statistical inference. Intended for college-bound scholars, 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, scholars learn topics such as functions, limits, continuity, differential calculus, and integral calculus. Intended for college-bound scholars, those who successfully pass the AP test may receive college credit for Calculus 1.

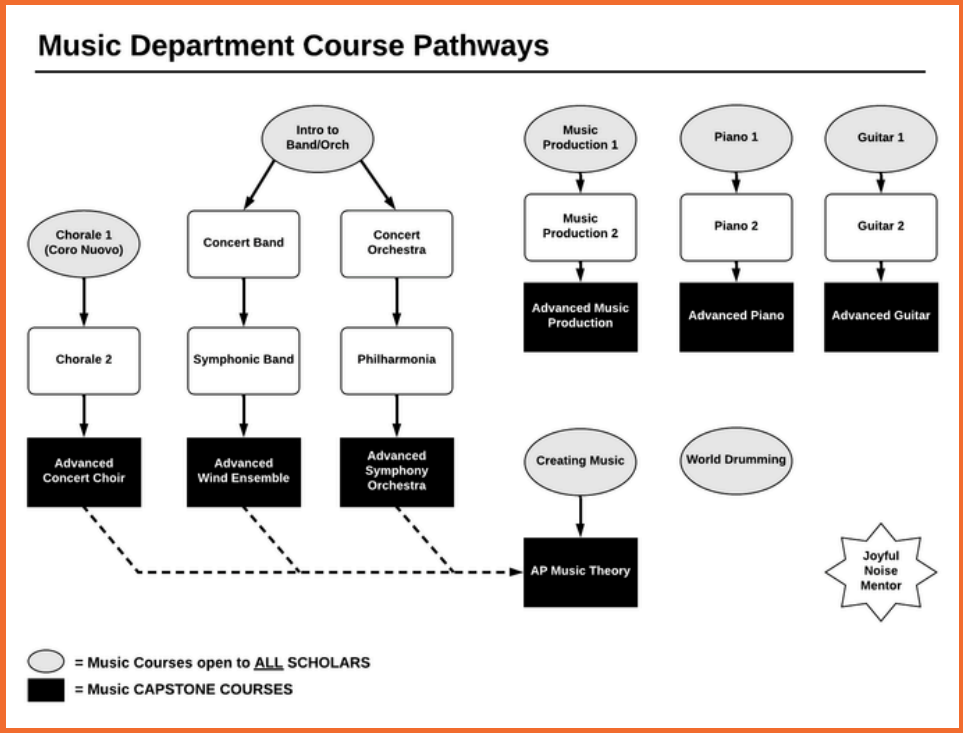
AP CALCULUS BC
VMAT0600A1 = SEM 1
VMAT0600B2 = SEM 2
Grades: 12 **Prerequisites:** AP Calculus AB
Credit: 1.0, Year Course **Requirements:** Graphing calculator (TI 84 plus recommended)
Fees: $110 AP test fee
This year-long class covers the second of three semesters of college-level calculus. Typical Calculus 2 topics not included in the AP Calculus BC curriculum will also be covered in this class. Intended for college-bound scholars, 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 scholars to learn Calculus 1 and Calculus 2 in one year. The content of Calculus BC is designed to qualify the scholar for placement into Calculus 3. Intended for college-bound scholars, those who successfully pass the AP test may receive college credit.

MUSIC



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

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Guitar 1	VMUS0100A0	9-12	None	Semester .5
Guitar 2	VMUS0200A0	9-12	Guitar 1	Semester .5
Advanced Guitar	VMUS0300A0	10-12	Guitar 2	Semester .5
Piano 1	VMUS0106A0	9-12	None	Semester .5
Piano 2	VMUS02060A0	9-12	Piano 1	Semester .5
Advanced Piano	VMUS0306A0	10-12	Piano 2	Semester .5
Creating Music	VMUS0112A0	9-12	None	Semester .5
AP Music Theory	VMUS0406A1	11-12	See course description	Semester .5
Music Production 1	VMUS0118A0	9-12	None	Semester .5
Music Production 2	VMUS0218A0	9-12	Music Production 1	Semester .5
Advanced Music Production	VMUS0418A0	10-12	Music Production 2	Semester .5
IS Joyful Noise	VMUS0418A0	9-12	Special Education Approval	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 scholars are expected to participate in daily rehearsals and performances. All band scholars perform in several evening concerts each year, and all band scholars have the opportunity to participate in optional performing opportunities such as Solo & Ensemble, Jazz Band, and Pep Band at regular season home football games. Scholars 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 scholars are expected to participate in daily rehearsals and performances. All band scholars perform in several evening concerts each year, and all band scholars have the opportunity to participate in optional performing opportunities such as Solo & Ensemble, Jazz Band, and Pep Band at regular season home football games. Scholars 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 scholars by audition only.
Credit: 1.0, Year Course

Wind Ensemble is an advanced-level band open by audition only to scholars in grades 10-12. Scholars 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, scholars make personal connections and explore the human experience through music. As a performance-based class, Wind Ensemble scholars are expected to participate in daily rehearsals and performances, including small ensembles and full orchestra concerts. All band scholars perform in several evening concerts each year, and all band scholars 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, scholars 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 scholars 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 scholars 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. Scholars 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, scholars 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 scholars by audition only.
Credit: 1.0, Year Course
This year-long auditioned ensemble, comprised of 10th-12th grade scholars, 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 scholar reach their full potential. Scholars engage in sectional group work, classroom discussions, and learning about composers to deepen their understanding. By studying themes and texts, scholars make personal connections and explore the human experience through music.

CONCERT ORCHESTRA
VMUS0148A1 = SEM 1
VMUS0148B2 = SEM 2

Grades: 9 **Prerequisite:** 8th grade orchestra or equivalent experience.
Credit: 1.0, Year Course
This course is designed for 9th - 12th-grade scholars 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 scholars 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. Scholars are expected to study their parts and practice their instruments outside of class, as well as participate in small group instruction during A+ periods.

PHILHARMONIC 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 scholars with prior experience in an orchestra as part of the sequence of VAHS orchestra classes. This is a performance-based class that requires scholars to participate fully in rehearsals and perform at several required performances throughout the year. Scholars 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 scholars by audition only.
Credit: 1.0, Year Course

Symphony Orchestra is an advanced orchestra, open to scholars in grades 9-12 by audition only. Scholars 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. Scholars are encouraged to take private lessons. Scholars 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 scholars 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. Scholars 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, scholars will also learn rehearsal skills, the elements of music, and how to read music.

WORLD DRUMMING
VMUS0160A0

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

Scholars 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 with rich music cultures. Through hand drumming, scholars 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
VMUS0900A0

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, scholars mentor and support their peers, fostering a love for music and creative expression in a collaborative environment. Through active music-making, scholars 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 dancing. Aligned with Wisconsin DPI Music Standards, the curriculum ensures meaningful, relevant learning outcomes.

GUITAR 1
VMUS0100A0

Grades: 9-12 **Prerequisite:** None
Credit: .5, Semester Course
Designed for scholars 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 scholar growth as a musician and performer. Scholars 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
VMUS0200A0

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. Scholars will be expected to participate, make recordings, and give performances in class.

ADVANCED GUITAR
VMUS0300A0

Grades: 10-12 **Prerequisite:** Guitar 2
Credit: .5, Semester Course, may be repeated for credit
This course is designed to provide scholars who have successfully completed Guitar 1 and 2 the opportunity to continue to study guitar performance. Scholars' 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
VMUS0106A0

Grades: 9-12 **Prerequisite:** None
Credit: .5 Semester Course
This course introduces scholars 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. Scholars will practice reading music notation on the staff, working with treble and bass clefs, and studying major scales and basic chord structures. Each scholar progresses at their own pace, developing personalized piano skills and working on beginner repertoire, including well-known melodies played with both hands. Scholars will gain hands-on experience with both acoustic and electric pianos, exploring various musical styles and genres.

PIANO 2
VMUS0206A0

Grades: 9-12 **Prerequisite:** Piano 1
Credit: .5 Semester Course
This course is designed for scholars aiming to achieve independence in piano skills. Building on foundational techniques, scholars 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. Scholars 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 scholars 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 scholars 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. Scholars 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 scholars the fundamentals of the language of music and how to apply those fundamentals to create music. Scholars will receive instruction in music theory and music composition and gain hands-on experience with computers and music-creating software. Scholars study form, melody, harmony, rhythm, timbre, texture, and expression in order to effectively create original compositions in a variety of genres. Scholars 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 scholar with substantial prior performing experience and study in a performing ensemble (band, choir, orchestra) or private study (piano, voice, etc.), this course will prepare scholars 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. Scholars will complete an analysis of a significant work of “classical” music and will create an original composition demonstrating concepts covered in the course. All scholars who register for this course are strongly encouraged to take the AP Music Theory exam.

MUSIC PRODUCTION 1
VMUS0118A0

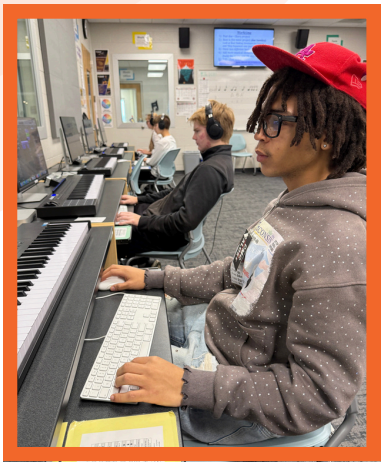
Grades: 9-12 **Prerequisite:** None
Credit: .5, Semester Course

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

Joyful Noise
VMUS0418A0

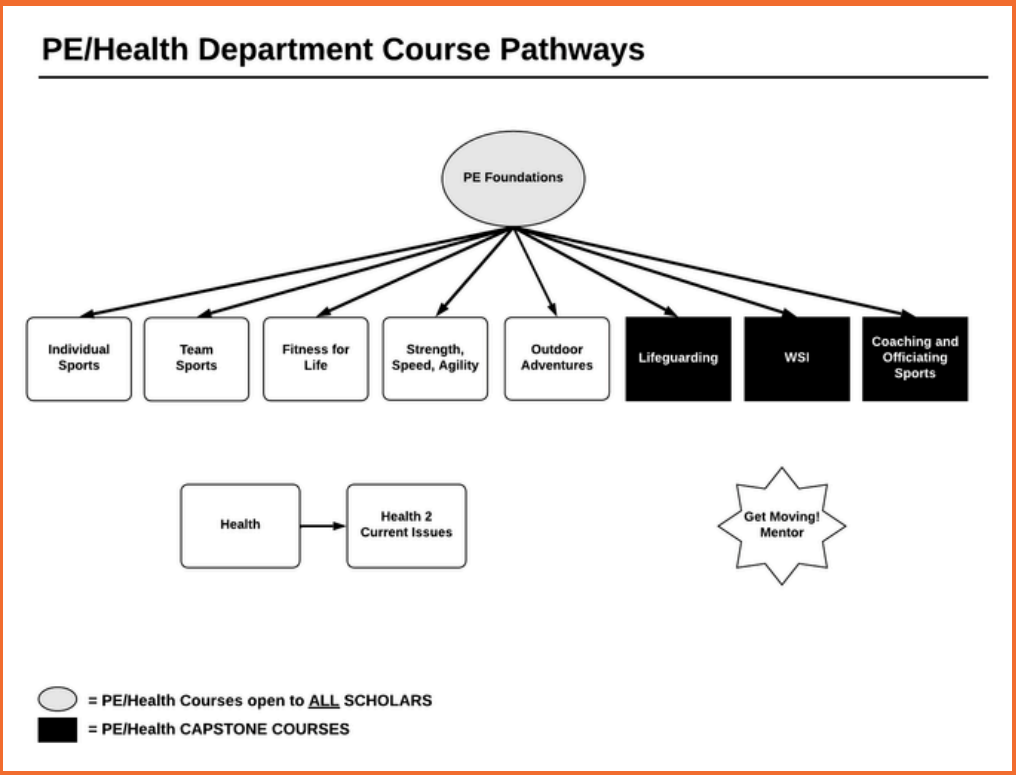
Grades: 9-12 **Prerequisite:** Approval from Special Education Administration
Credit: .5, Semester Course

Designed for scholars with an IEP who follow the Essential Elements, the alternate academic achievement standards are aligned with the Wisconsin Academic Standards. This is a four-year course that uses multisensory activities—including singing, listening, creative expression, sign language, hand instruments, drumming, composing, playing boomwhackers, dance, and more—to help scholars actively engage in creating, responding to, and performing music. Along the way, they build leadership skills through music by collaborating, taking initiative, and supporting one another's growth.

This course transforms music education into an exciting journey of collaboration, self-discovery, leadership, and artistic growth, ensuring every scholar finds their voice and contributes to a joyful musical community.

** Approval from Special Education Administration is required to register for this course

PHYSICAL EDUCATION/ HEALTH



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Physical Education Foundations	VPHY0100A0	9-10	None	Semester .5
Outdoor Adventures	VPHY0242A0	10-12	PE Foundations	Semester .5
Individual Sports	VPHY0218A0	10-12	PE Foundations	Semester .5
Team Sports	VPHY0224A0	10-12	PE Foundations	Semester .5
Fitness for Life	VPHY0200A0	9-12	None	Semester .5
Strength, Speed, and Agility	VPHY0212A0	9-12	None	Semester .5
Lifeguard Training and CPR for Professional Rescuers	VPHY0236A0	9-12	Must be 15 by end of course	Semester .5
Water Safety Instructor Training	VPHY0306A0	10-12	Must be 16 by end of course	Semester .5
Coaching & Officiating Sports	VPHY0230A0	10-12	PE Foundations	Semester .5
Health Education	VHTH0200A0	10-12	None	Semester .5
Health Education - Blended	VHTH0201A0	11-12	None	Semester .5
Health 2 Current Issues	VHTH0300A0	11-12	Health Education or Health Education - Blended	Semester .5
IS Get Moving	VPHY0930A0	9-12	Special Education Approval	Semester.5
Get Moving! Mentorship	VPHY0920A0	10-12	Application	Semester .5

PHYSICAL EDUCATION FOUNDATIONS
VPHY0100A0

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 scholar may encounter. This course will also examine healthy choices, internet safety, and lifetime strength & fitness plans.

OUTDOOR ADVENTURES
VPHY0242A0

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 scholars 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 scholars 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
VPHY0218A0

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 scholars 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 scholars 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 scholars 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. Scholars 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, scholars 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 scholars 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. Scholars 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, scholars 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. Scholars 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 (scholar 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 scholars to teach swimming lessons to people of all ages and abilities. Scholars will learn to break swimming skills into drills with progressions. Class management, water safety, technique analysis, and lesson/unit development are practiced in scholar teaching sessions. Scholars 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 scholars to coach their own team or officiate up to the middle school level. It will also provide opportunities for scholars 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. Scholars can also become a licensed referee through the WIAA (Wisconsin Interscholastic Athletic Association) with a waived fee. This class will be based strongly on scholar 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
VHTH0201A0

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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 scholars' own pace. Class will meet in person about 75% of the time and asynchronous the other 25% of the time. Scholars will either be off-campus or in a designated space doing work during the asynchronous times. Scholars who 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.

HEALTH 2 - CURRENT ISSUES
VHTH0300A0

Grades: 10-12 **Prerequisites:** Completion of Health Education or Blended Health Education
Credit: .5, Semester Course
Note: Only Elective Health Credit
This advanced-level course challenges scholars to think critically about what it means to lead a healthy, fulfilling life in today's world. Scholars will explore a wide range of health-related topics with emphasis placed on current issues in health and their impact at both the individual and community levels. By the end of the course, scholars will gain not only advanced health knowledge but also the skills and confidence to make informed decisions, respect diverse perspectives, and contribute positively to their communities.

IS Get Moving
VPHY0930A0

Grades: 9-12 **Prerequisite:** Approval from Special Education Administration
Credit: .5, Semester Course

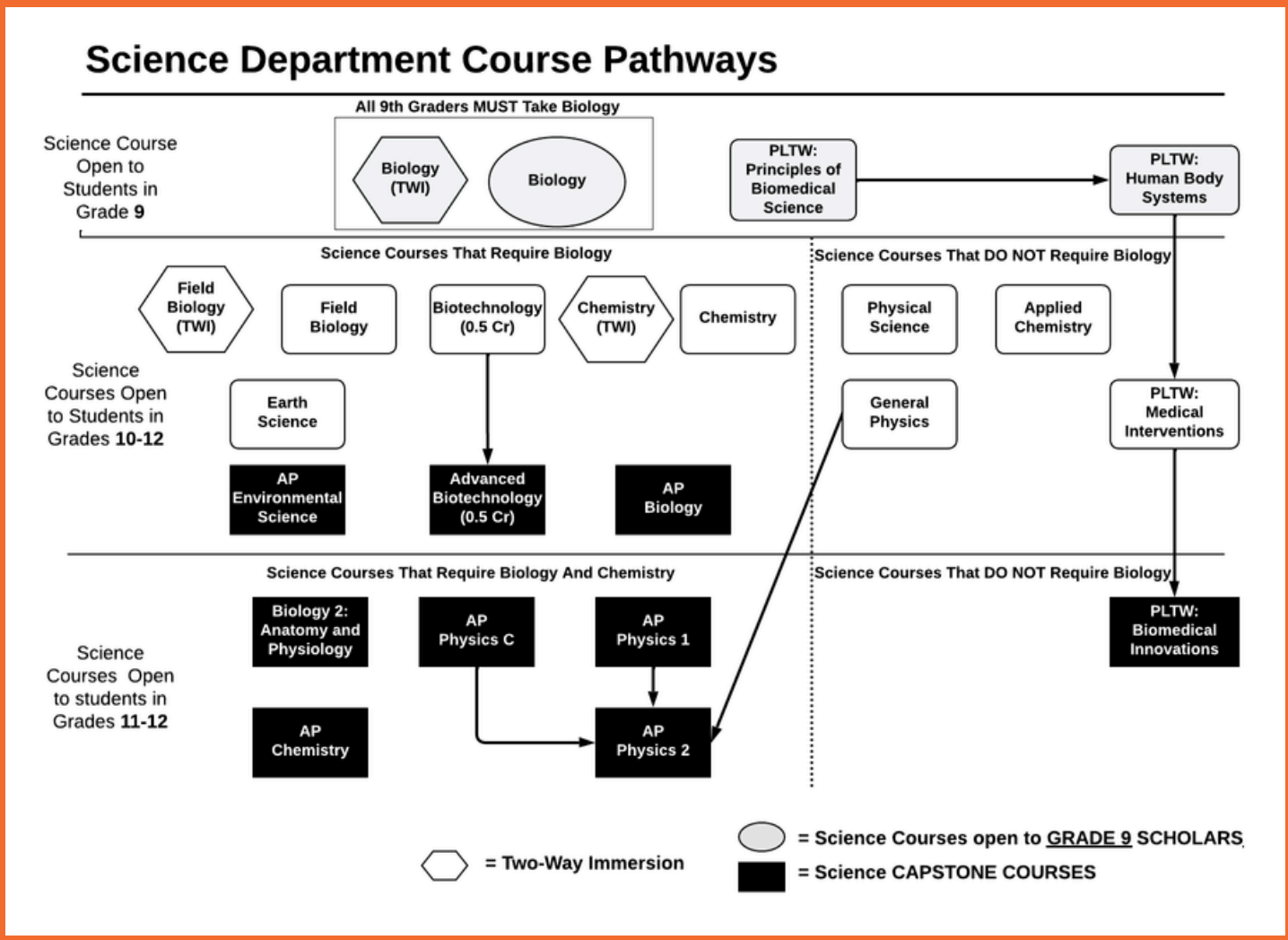
Designed for scholars who have an IEP and follow the Essential Elements, the alternate academic achievement standards that are aligned to the Wisconsin Academic Standards. This is an introductory course that gives scholars an opportunity to explore sports, fitness, and activity through physical movement. We participate in nearly every traditional sport and adapt rules, equipment, or space to meet the needs of our scholars. Approval from Special Education Administration is required to register for this course.

GET MOVING!- MENTORSHIP
VPHY0920A0

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)
Scholars will assist the special needs scholars with daily physical education class activities. This course can be repeated multiple times. Scholars will learn strategies for working with scholars in an inclusive environment and demonstrate knowledge of working with scholars with various disabilities. This course was formerly known as Adapted PE Mentorship. Scholars 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.

SCIENCE

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.



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

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

BIOLOGY
VSCI0100A1 = Sem 1
VSCI0100B2 = 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. Scholars will learn from regular assignments, lectures, reading, and labs in order to acquire an essential background for a variety of careers, such as those in the medical fields, forestry, biotechnology, wildlife management, zoology, botany, and horticulture.

Scholars 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 scholar ownership over their learning by putting them and their questions in the driver's seat. Scholars will be determining relatedness among lions based on actual genetic evidence. Scholars will be figuring out where lions live based on their genes. Scholars will track poachers from the DNA evidence in smuggled ivory. Scholars will be extracting seeds from (simulated) elephant poop to see how these animals disperse seeds and shape the landscape. Scholars 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 scholars in making sense of the natural world through the use of authentic data while integrating different areas of science 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 scholars genuinely excel at a much higher level because of their deeper understanding.

BIOLOGY - (SPANISH) TWI SCHOLARS/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. Scholars 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 (DE - MATC)
VSCI0106A0
Dual Credit through Madison College
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 scholar.
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 scholars interested in entering technical, medical, law enforcement, and laboratory or biotechnology fields.

ADVANCED BIOTECHNOLOGY (DE - MATC)
VSCI0206A0
Dual credit through Madison College

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

BIOTECHNOLOGY (DE - MATC) - BLENDED
VSCIB106A0
Dual Credit through Madison College

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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 27.

ADVANCED BIOTECHNOLOGY (DE - MATC) - BLENDED
VSCIB206A0
Dual Credit through Madison College

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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 (DE - UWGB)
VSCI0102A1
VSCI0102B2
Dual Credit available through UW-Green Bay

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 scholars 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 scholars 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 scholars 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. Scholars should expect extensive daily reading assignments, regular quizzes, lab preparation, analysis, and discussion. This class is appropriate for scholars 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 scholars 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. Scholars will analyze the biology of the habitats and ecosystems present in the VASD School Forest, wetland, forest, and prairie.

FIELD BIOLOGY SPANISH TWI SCHOLARS/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 scholars 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. Scholars 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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 27.

AP ENVIRONMENTAL SCIENCE
VSCI0336A1 = SEM 1
VSCI0336B2 = 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 scholars planning to take the Advanced Placement examination for college credit. This course is designed to provide scholars 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. Scholars 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 scholars 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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 27.

EARTH SCIENCE
VSCI0230A1 = SEM 1
VSCI0230B2 = SEM 2

Grades: 10-12 **Prerequisites:** Biology
Credit: 1.0, Year Earth Science Course

Earth Science is a course for scholars 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. Scholars, 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 scholars 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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 27.

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 scholars 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 scholars 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, scholars will be challenged in building a strong base of 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, scholars should expect a highly hands-on, interactive experience where group collaboration and personal accountability will be instrumental to success. This class is meant for scholars with STEM and non-STEM career aspirations who 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 scholars 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, scholars 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 scholars to hone abstract thinking and problem-solving skills by asking scholars to set up and solve math problems independently. Scholars will have multiple lab experiences and be required to write reports and take notes, which, along with tests, will comprise the scholar's grade. Scholars 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 SCHOLARS/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 scholars to hone abstract thinking and problem-solving skills by asking scholars to set up and solve math problems independently. Scholars will have multiple lab experiences and be required to write reports and take notes, which, along with tests, will comprise the scholar's grade. Scholars 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

VSCI0312A1 = SEM 1
VSCI0312B2 = 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 scholars. Scholars should expect to spend time taking notes, completing lab write-ups, and doing homework assignments. Canvas is used to provide resources, assignments, and communication with scholars. No scientific calculator is required.

GENERAL PHYSICS

VSCI0218A1 = SEM 1
VSCI0218B2 = 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 scholars, the General Physics curriculum develops problem-solving and analytical thinking skills as scholars 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. Scholars will build skills through laboratory experiments, lectures, and demonstrations. Skills necessary to be successful in this class include good time management, a willingness to complete the assignments, a desire to learn, and developing good problem-solving skills. General Physics is useful in medical, engineering, sports, construction, musical, and optical careers.

AP PHYSICS 1
VSCI0318A1 = SEM 1
VSCI0318B2 = 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 scholars 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 scholar 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, scholars need strong basic algebra skills. In particular, scholars should know how to graph and solve linear, quadratic, and inverse functions. Scholars should be comfortable computing the area of trapezoids and circles. Scholars should be able to compute the volume of spheres, rectangular prisms, and cylinders. This class is appropriate for scholars interested in entering technical, medical, or engineering careers, or for a liberal arts college scholar interested in earning credit for an algebra-based physics course to satisfy the physical science credit for a B.A. or B.S. degree.

AP PHYSICS 2
VSCI0418A1 = SEM 1
VSCI0418B2 = 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. Scholars 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 scholars interested in entering technical, medical, or engineering careers, or for a liberal arts college scholar 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 scholars 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 scholar 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, scholars need strong pre-calculus skills. In particular, scholars 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 the area of trapezoids and circles
- compute volume of spheres, rectangular prisms, and cylinders

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

PLTW - PRINCIPLES OF BIOMEDICAL SCIENCE
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.

Scholars 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 scholars 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
VSCI0299A1 = SEM 1
VSCI0299B2 = 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 is eligible upon successful completion of End of Course Exam. This course will be offered at VAHS. Scholars examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Scholars 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, scholars 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
VSCI0399A1 = SEM 1
VSCI0399B2 = 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, scholars will either be off-campus or in a designated space doing work. Scholars who choose this class should be self-motivated learners and able to manage their time.

Scholars 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 scholars 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, scholars are exposed to a 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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 27.

PLTW - BIOMEDICAL INNOVATIONS Capstone Course
VSCI0499A1 = SEM 1
VSCI0499B2 = SEM 2
Grades: 12 Senior Standing Only
Prerequisite: Completion of or concurrent enrollment in PBS, HBS, and MI or consent of Global Academy Advisor.
Credit: 1.0, Year-long Science elective credit
In this capstone course, scholars apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Scholars 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, scholars 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 in 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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 27.

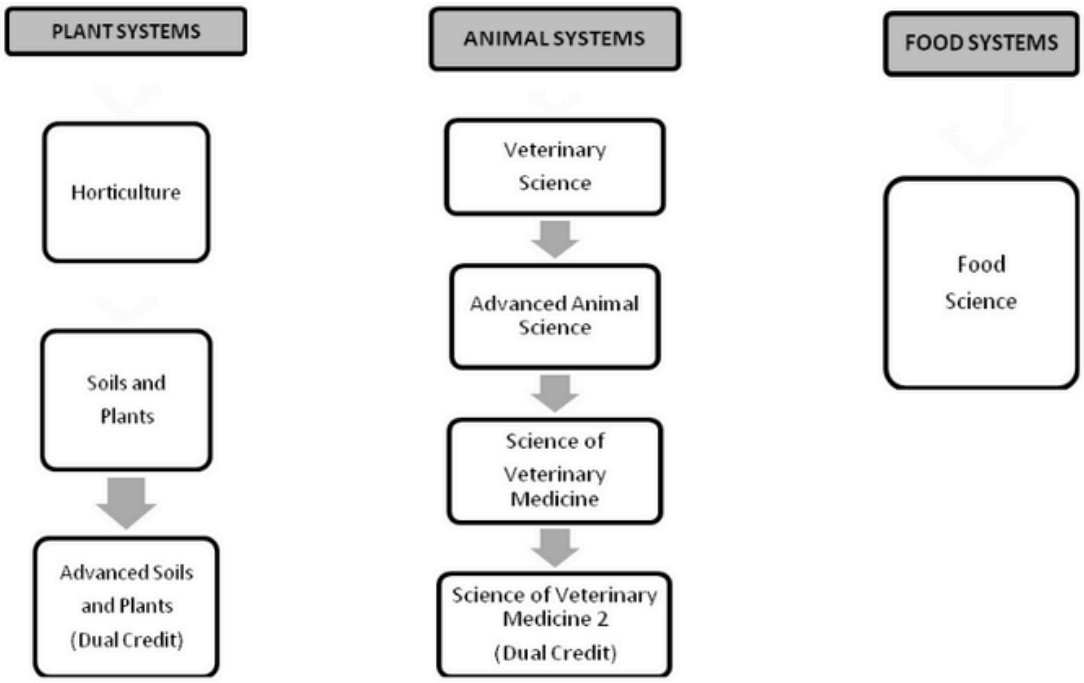
Scholars entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a **YOUTH APPRENTICESHIP** in one of the following program areas:

- **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.

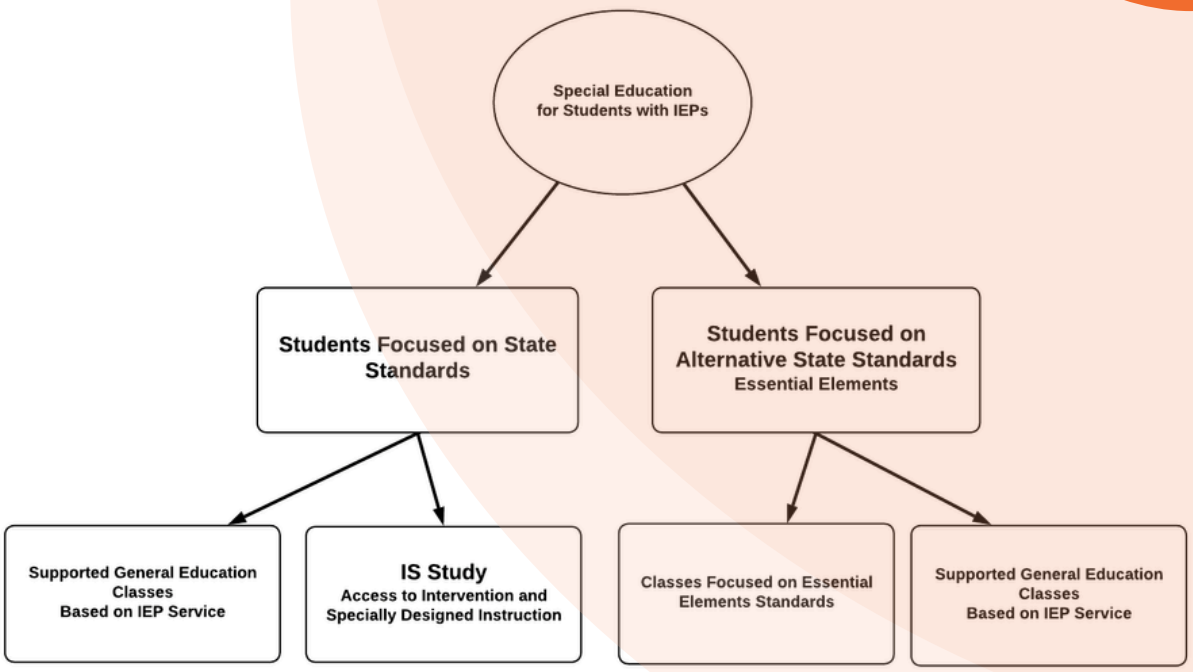
Agriculture Courses that Count for Science Credit



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

Special Education Department Pathways



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

Access Valued

Success

Capable

Belonging Inclusive

COURSE TITLE	COURSE NUMBER	GRADES
IS Study Support	VSPE0101A1 - Sem 1 VSPE0101A2 - Sem 2	9, 10, 11, 12
English 1 for Essential Elements	VSPE0131A1 - Sem 1 VSPE0131B2 - Sem 2	9, 10, 11, 12
English 2 for Essential Elements	VSPE0132A1 - Sem 1 VSPE0132B2 - Sem 2	9, 10, 11, 12
Foundations of Reading	VSPE0102A1- Sem 1 VSPE0102B2- Sem 2	9, 10, 11, 12
Social Studies 1 for Essential Elements	VSPE0141A1 - Sem 1 VSPE0141B2 - Sem 2	9, 10. 11, 12
Social Studies 2 for Essential Elements	VSPE0146A1 - Sem 1 VSPE0146B2 - Sem 2	9, 10, 11, 12
Math 1 for Essential Elements	VSPE0202A1 - Sem 1 VSPE0202B2 - Sem 2	9, 10, 11, 12
Math 2 for Essential Elements	VSPE0207A1 - Sem 1 VSPE0207B2 - Sem 2	9, 10, 11, 12
Foundations of Math	VSPE0103A1 - Sem 1 VSPE0103B2 - Sem 2	9, 10, 11, 12
IS Health Education	VSPE0300A0	9, 10, 11, 12
Working and Living Independently	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 scholars 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. Scholars 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 scholar 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 scholars 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. Scholars will develop strategic word recognition and language comprehension skills through a comprehensive curriculum designed to propel readers toward grade-level proficiency. Scholars 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 scholars 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 scholars to succeed in school and community environments. This course fosters an understanding of social, historical, and civic concepts, supporting scholars' 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 scholars 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 scholars succeed in school and community environments. The course fosters an understanding of social, historical, and civic concepts, supporting scholars' 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 scholars 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. Scholars 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 scholars' 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 scholars 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 scholars will use in everyday life, including money identification, adding and subtracting money, budgeting, and understanding the difference between wants and needs. Scholars 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, scholars 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 scholars 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 scholars for success in Algebra 1. Scholars 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.

Achiever Resilient
Strong Growth
Honor Differences

IS HEALTH EDUCATION
VSPE0300A0

Grades: 9, 11 **Prerequisites:** None
Credit: .5, Half Year Course
Designed for scholars 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
VSPE0800A0

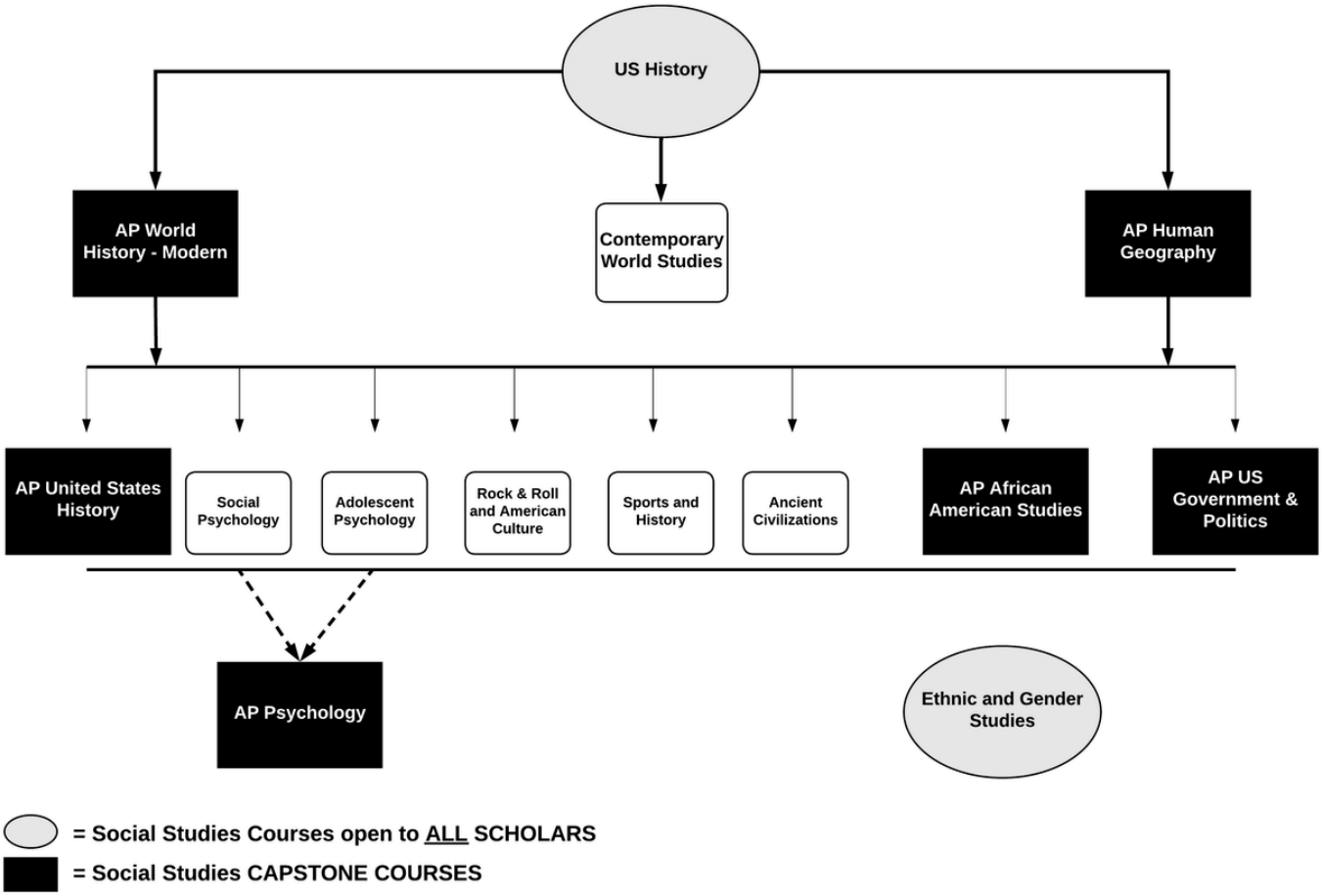
Grades: 9, 10, 11, 12 **Prerequisites:** See below*
Credit: 1.0, Year Course
This course is designed for high school scholars with IEPs to build essential skills for independence and successful transition into adulthood. Scholars will learn practical life skills such as budgeting, cooking, time management, and personal safety, alongside workplace skills like communication, teamwork, and task management. Through hands-on activities and school-based experiences, scholars will gain confidence in managing day-to-day responsibilities and exploring career interests. The course fosters independence, self-advocacy, and problem-solving skills, empowering scholars to make informed decisions about their personal and professional lives.
*The scholar must be in special education, and the course enrollment needs to be discussed between the teacher and the scholar's special education case manager.

Honor Differences

Connection **Unique**

SOCIAL STUDIES

Social Studies Course Pathways



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

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Rock and Roll Society and American Culture	VSOC0342A0	11, 12	None	Semester .5
Sports & History	VSOC0348A0	11, 12	None	Semester .5
Sports & History - Blended	VSOCB348A0	11, 12	None	Semester .5
AP Psychology	VSOC0430A1 - Sem1 VSOC0430B2 - Sem2	12	Adolescent and/or Social Psychology	Year-long 1
AP US History	VSOC0412A1 - Sem1 VSOC0412B2 - Sem2	11, 12	9th and 10th grade social studies	Year-long 1
AP World History - Modern	VSOC0420A1 - Sem1 VSOC0420B2 - Sem2	10-12	9th grade social studies	Year-long 1
AP African American Studies	VSOC0425A1 - Sem 1 VSOC0425B2 - Sem 2	11, 12	None	Year-long 1
AP Human Geography	VSOC0400A1 - Sem1 VSOC0400B2 - Sem2	10-12	9th Grade Social Studies	Year-long 1
AP United States Government and Politics	VSOC410A1 - Sem1 VSOC410B2 - Sem2	11-12	None	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 scholars 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 scholars to synthesize knowledge to provide a more complex understanding of history. While learning social studies skills and content, scholars 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 scholars 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 scholars to examine the rights and freedoms that shape societies. Scholars 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, scholars 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 scholars in multicultural American curriculum, supporting cross-cultural communication. The main goal is to develop the critical consciousness of our scholars 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 scholars in exploring their own identities and understanding the identities of others. Ethnic and Gender Studies courses have a positive impact on all scholars. Scholars 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 27.

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 the 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. Scholars 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 scholar choice projects. The course is engaging and allows scholars to learn in many different ways.

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 scholars who are interested in applying psychology to situations in their everyday life. This course will help scholars understand the relationship between their emotional lives and their stress & coping patterns. Scholars 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 scholar. Lastly, scholars 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 27.

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 the study of historical texts and lyric analysis. The course will explore themes of "Youth Culture," "Demographic Shifts", "Economic Impact of Rock," and "Technological Innovations in Music." Scholars 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 scholar choice-driven. There will also be interviews with people in the music industry, so scholars may explore possible careers in the music industry.

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 scholars will participate in the designated benchmark assessments for this course. This blended learning course integrates traditional face-to-face learning with the scholar'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 27.

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 scholar further into the systematic and scientific study of behavioral and mental processes. Scholars 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 scholar progress. Topics are mature in nature and are taught with the college-level scholar 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 (scholars 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 scholars 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 scholars to take the AP US History exam in May; scholars who do well on the AP test can typically earn 3-6 college credits.

AP WORLD HISTORY - MODERN
VSOC0420A1 = SEM 1
VSOC0420B2 = SEM B

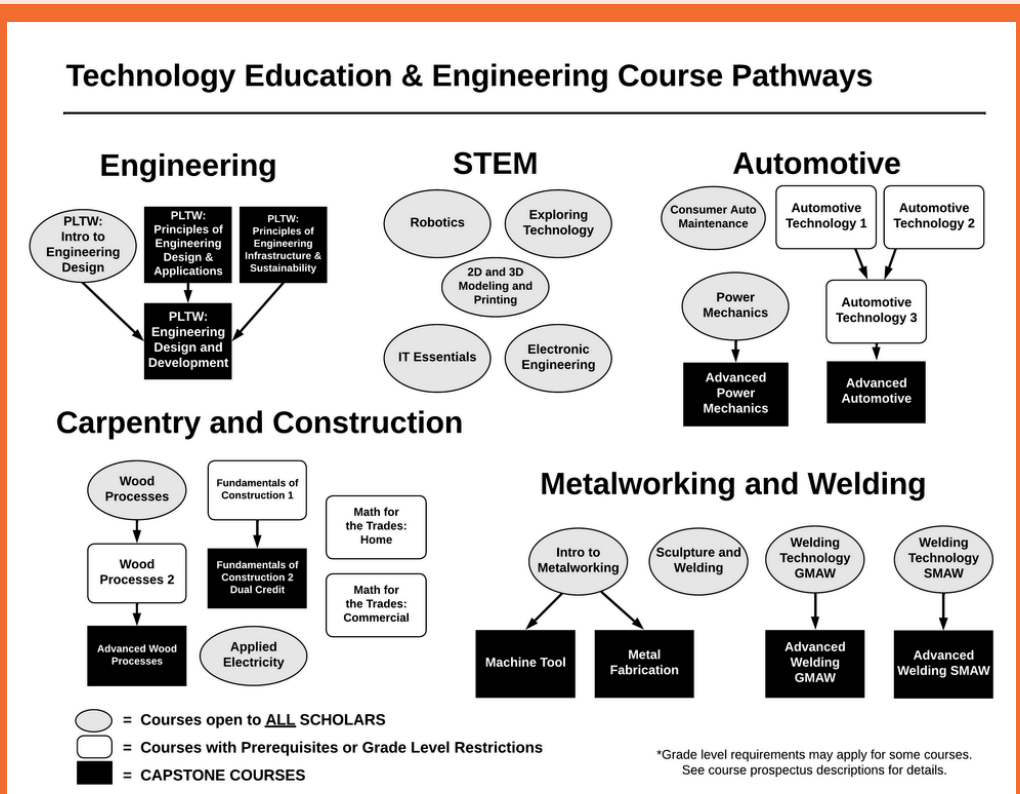
Grades: 10*-12 (*Scholars interested in taking this class as a 10th grader should speak to their teachers or the AP teacher to help inform their decision.)
Prerequisites: This class involves college-level reading and successful completion of 9th grade Social Studies
Credit: 1.0, Year Course
AP World History is designed to prepare scholars for college-level history classes. It covers the time period from 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. Scholars will work on higher-order thinking, analytical reading, effective discussion, and argumentative writing throughout the year.

AP AFRICAN AMERICAN STUDIES
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; scholars 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 Scholar Project.

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. (Scholars 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 scholars to the systematic study of the earth and its inhabitants. Scholars 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 makes it a good foundational course for a variety of academic pursuits. Scholars 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 scholars an understanding of the foundations of government, civil rights, and how to disrupt systems of inequity through civic engagement. Scholars 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 scholars will have the knowledge and skills needed to engage with their political system and earn college credit. Note: During election years, scholars will follow and analyze political campaigns to analyze political ideologies, beliefs, and participation.

TECHNOLOGY EDUCATION AND ENGINEERING



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Math for the Trades - Home	VMAT0160A1	10-12	Algebra - Part 2	Semester .5
Math for the Trades - Commercial	VMAT0170B2	10-12	Algebra - Part 2	Semester .5
Exploring Technology	VTEE0100A0	9-12	None	Semester .5
Wood Processes	VTEE0106A0	9-12	None	Semester .5
Wood Processes 2	VTEE0206A0	9-12	Wood Processes 1	Semester .5
Advanced Wood Processes	VTEE0306A0	10-12	Wood Processes 1 and 2	Semester .5
IT Essentials	VTEE0312A0	9-12	None	Semester .5
Electronic Engineering	VTEE0124A0	9-12	None	Semester .5
Applied Electricity	VTEE0112A0	9-12	None	Semester .5
2D and 3D Modeling and Printing	VTEE0121A0	9-12	None	Semester .5
Introduction to Metalworking	VTEE0110A0	9-12	None	Semester .5
Metal Fabrication (DE - MATC)	VTEE0158A0	10-12	Intro to Metalworking	Semester .5
Machine Tool (DE - MATC)	VTEE0152A1 - Sem1 VTEE0152A2 - Sem2	11, 12	Intro to Metalworking	Year-long 1
Consumer Auto Maintenance	VTEE0146A0	9-12	None	Semester .5

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Automotive Technology I (DE - MATC)	VTEE0246A0	10-12	None	Semester .5
Automotive Technology II	VTEE0346A0	10-12	None	Semester .5
Automotive Technology III (DE - MATC)	VTEE0446A1 - Sem1 VTEE0446B2 - Sem2	11, 12	Automotive Technology I or II	Year-long 1
Advanced Automotive	VTEE0546A1 - Sem 1 VTEE0546B2 - Sem 2	12	Auto 3	Year-long 1
Power Mechanics	VTEE0242A0	9-12	None	Semester .5
Advanced Power Mechanics	VTEE0342A0	11, 12	Power Mechanics	Semester .5
Sculpture/Welding	VTEE0248A0	9-12	None	Semester .5
Welding Technology SMAW	VTEE0131A0	9-12	None	Semester .5
Welding Technology GMAW	VTEE0132A0	9-12	None	Semester .5
Advanced Welding SMAW (DE - MATC)	VTEE0231A1 - Sem 1 VTEE0231B2 - Sem 2	11-12	Welding Technology SMAW	Year-long 1
Advanced Welding GMAW (DE - MATC)	VTEE0232A1 - Sem 1 VTEE0232B2 - Sem 2	11-12	Welding Technology GMAW	Year-long 1
Robotics	VTEE0136A1	9-12	None	Semester .5
Fundamentals of Construction 1 (DE - MATC)	VTEE0237A0	10-12	None	Semester .5
Fundamentals of Construction 2 (DE - MATC)	VTEE0337A0	10-12	None	Semester .5
PLTW - Intro to Eng & Design (DE - MATC)	VTEE0199A0	9-12	None	Semester .5
PLTW - Principles of Engineering - Design & Applications	VTEE0298A1	10-12	None	Semester .5
PLTW - Principles of Engineering - Infrastructure & Sustainability	VTEE0298B2	10-12	None	Semester .5
PLTW - Engineering Design & Development	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. Scholars will be offered instruction that offers applicable mathematics for technical and trades-related careers. In addition, scholars 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, and 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 drawings 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. Scholars will be offered instruction that offers applicable mathematics for technical and trades-related careers. In addition, scholars 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, scholars 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. Scholars 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
VTEE0106A0

Grades: 9-12 **Prerequisites:** None
Credit: .5, Semester Course
Wood Processes will introduce scholars to the various woodworking machines, processes, and materials used in the woodworking industry. Scholars 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 scholars interested in taking future woodworking and building construction courses. Examples of first projects scholars will create include: Cutting boards, Signs, Clocks, and Stools. After scholars 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 scholars entering the Architecture and Construction career cluster.

WOOD PROCESSES 2
VTEE0206A0

Grades: 9-12 **Prerequisite:** Wood Processes 1
Credit: .5, Semester
This course will provide scholars with a review of technical woodworking information and the operation of traditional woodworking equipment covered in Wood Processes. Scholars 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. Scholars' first project will be a nightstand, followed by an instructor-approved individual project of their choice. This course gives scholars the opportunity to earn an industry-recognized Sawblade Certificate from the Woodworking Career Alliance.

ADVANCED WOOD PROCESSES
VTEE0306A0
(Madison College Credit available to Juniors and Seniors opting in)

Grades: 10-12 **Prerequisite:** Wood Processes 1 and 2
Credit: .5, Semester Course
Fees: Scholars are responsible for all material costs
Designed for scholars with a passion for the woodworking trade, the course presents the opportunity for the self-motivated scholar to advance their woodworking skills. In this course, scholars will plan and create instructor-approved projects. Scholars are required to complete their own projects and also assist Woods 1 and 2 scholars. This course gives scholars 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
VTEE0312A0

Grades: 9-12 **Prerequisites:** None **Credit:** .5, Semester Course
IT Essentials covers the fundamentals of computer hardware and software as well as advanced concepts. Scholars who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Scholars 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. Scholars will also have the opportunity to earn dual credit with Madison College with a grade of “C” or better. Scholars will be using an online textbook, computer resources, and hands-on activities. This course is suited for scholars entering the Information Technology career cluster.

ELECTRONIC ENGINEERING
VTEE0124A0

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

Scholars 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 that scholars will be comfortable in understanding the use of this technology, and 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. Scholars will be using textbooks, 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. Scholars 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.

2D AND 3D MODELING AND PRINTING
VTEE0121A0

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

This course introduces scholars to the world of design through both two-dimensional (2D) and three-dimensional (3D) digital tools. Scholars will develop essential design skills using industry-standard CAD (Computer-Aided Design) software to create detailed drawings, models, and renderings. Projects will include 2D sketching and layout design, 3D modeling of objects and spaces, and hands-on experience with 3D printing to bring designs to life. In addition, scholars will explore, learning how to plan, visualize, and transform living spaces using modern design software. Emphasis will be placed on creativity, problem-solving, spatial awareness, and real-world design applications. This course is highly recommended for scholars interested in architecture or engineering.

INTRODUCTION TO METALWORKING
VTEE0110A0

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

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

METAL FABRICATION (DE - MATC)
VTEE0158A0
Dual Credit through Madison College

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

In Metal Fabrication, scholars will be introduced to the fundamentals of metal cutting and forming. Scholars 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 (DE - MATC)
Dual Credit through Madison College
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

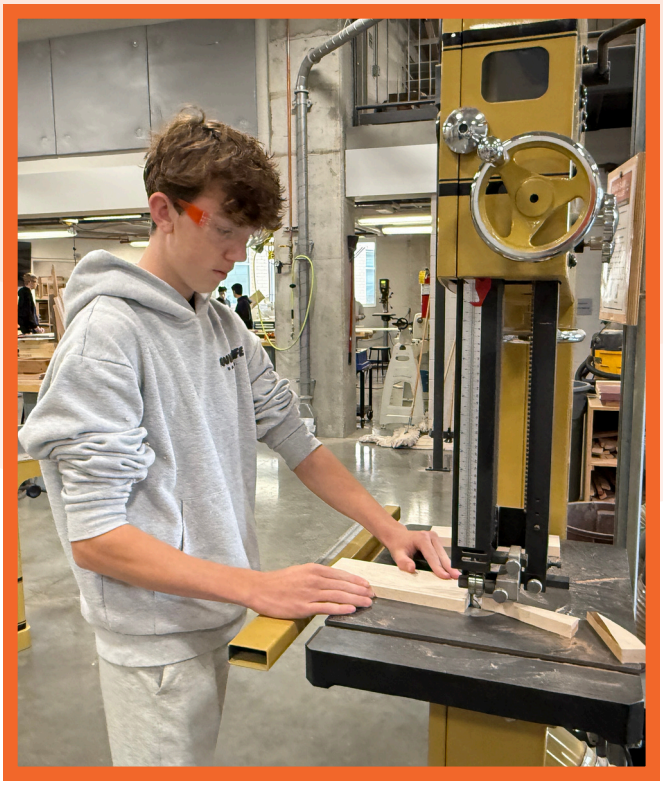
Grades: 9-12 **Prerequisites:** None **Credit:** .5, Semester Course

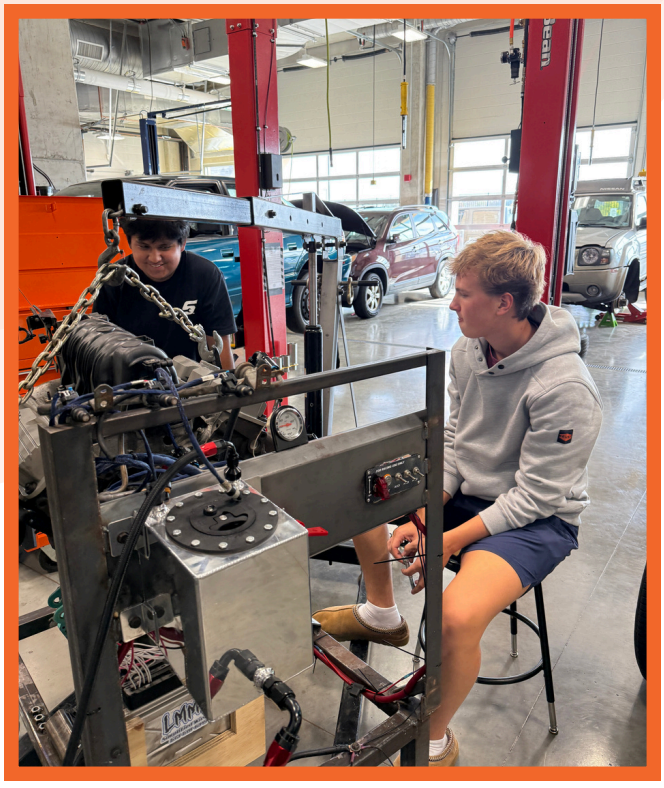
This course is intended to provide you with the knowledge to make economic decisions and take preventative measures to enhance the overall satisfaction of being an automotive consumer. The class discussions and lab activities provide the fundamental knowledge and experience in owning and maintaining 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 scholars going into the Agriculture, Food and Natural Resources and Transportation, Distribution and Logistics career clusters.

AUTOMOTIVE TECHNOLOGY I (DE - MATC)
VTEE0246A0
Dual Credit through Madison College

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

This class is for scholars 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 scholars will learn about the components of the system, how it works, and why it works. Then, scholars will get an opportunity to repair/rebuild the system on an actual vehicle. Scholars should enjoy problem-solving, attention to detail, and have a strong interest in mechanics. Recommended for scholars 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 scholars 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 scholars will learn about the components of the system, how it works, and why it works. Then, scholars will get an opportunity to repair/rebuild the system on an actual vehicle. Scholars should enjoy problem-solving, attention to detail, and have a strong interest in mechanics. Recommended for scholars 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 (DE - MATC)
VTEE0446A1 - SEM 1
VTEE0446B2 - SEM 2
Dual Credit through Madison College

Grades: 11,12
Prerequisites: Automotive Technology I or Automotive Technology II
Credit: 1.0, Year Course
Advanced Automotive is designed to provide scholars 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 scholars 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 scholars 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: 9-12 **Prerequisites:** None **Credit:** .5, Semester Course
This is a hands-on class for scholars who want to know how power equipment works. Prior knowledge or experience is not necessary. During class, scholars work on gas engines, taking them apart and reassembling them to work better than new! In the process, scholars gain knowledge and familiarity with a variety of tools. This class is useful for all scholars 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
VTEE0248A0

Grades: 11,12 **Prerequisite:** Power Mechanics **Credit:** .5, Semester Course

This class is for scholars 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, scholars must be motivated to work independently and in small groups. Scholars should enjoy solving problems and have a respect for detail as well as a strong interest in mechanics. Recommended for scholars 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
VTEE0248A0

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

This sculpture class teaches the fundamentals of 3D design and introduces scholars to welding and basic woodworking skills. This is a class for scholars 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. Scholars will also explore art and craft in America as it relates to wood and metalworking. This course is recommended for scholars 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 scholars interested in careers in the arts, teaching, professional design, and audio/video technology and communications, involvement in the arts equips scholars for success in a broader range of settings as well.

WELDING TECHNOLOGY SMAW
VTEE0131A0

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

This SMAW(Stick) welding course introduces scholars to the fundamentals of Shielded Metal Arc Welding. Scholars 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
VTEE0132A0

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

This MIG (Wire Feed) welding course is designed to provide scholars with a comprehensive understanding of MIG welding processes, techniques, and safety practices. Scholars 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 (DE - MATC)
VTEE0231A1 = Sem 1
VTEE0231B2 = Sem 2
Dual Credit through Madison College
Grades: 11-12 **Prerequisite:** Welding Technology SMAW **Credit:** 1, Year Course
Scholars 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 (DE - MATC)
VTEE0232A1 = Sem 1
VTEE0232B2 = Sem 2
Dual Credit through Madison College
Grades: 11-12 **Prerequisites:** Welding Technology GMAW **Credit:** 1, Year Course
Scholars 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 by 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 lectures, 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 the American Welding Society (AWS) Structural Steel Welding Code visual inspection criteria.

ROBOTICS
VTEE0136A1
Grades: 9-12 **Prerequisites:** None
Credit: .5, Semester Course
Scholars will build and program a robot to compete in a robotics tournament. Scholars will work together to apply real-world science, technology, engineering, and math concepts and develop problem-solving, organizational, and team-building skills. Scholars 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 scholars interested in engineering and in the following career cluster: Science, Technology, Engineering & Mathematics.

FUNDAMENTALS OF CONSTRUCTION 1 (DE - MATC)
VTEE0237A0
Dual Credit through Madison College
Grades: 10-12 **Prerequisites:** None
Credit: .5, Semester Course, semesters do not have to be taken in 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. Scholars 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 (DE - MATC)
VTEE0337A0
Dual Credit through Madison College

Grades: 10-12 **Prerequisites:** none
Credit: .5, Semester Course, semesters do not have to be taken in the same year
This course provides an introduction to the identification, safe use, and care of hand and portable power tools used primarily in 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:

- Scholar 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 scholars 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 scholars 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 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 scholars to apply all the skills and knowledge learned in previous Project Lead The Way courses. The use of 3D design software helps scholars design solutions to the problem their team has chosen. This course also engages scholars in time management and teamwork skills, a valuable asset to scholars in the future. This course is designed for 11th and 12th grade scholars.

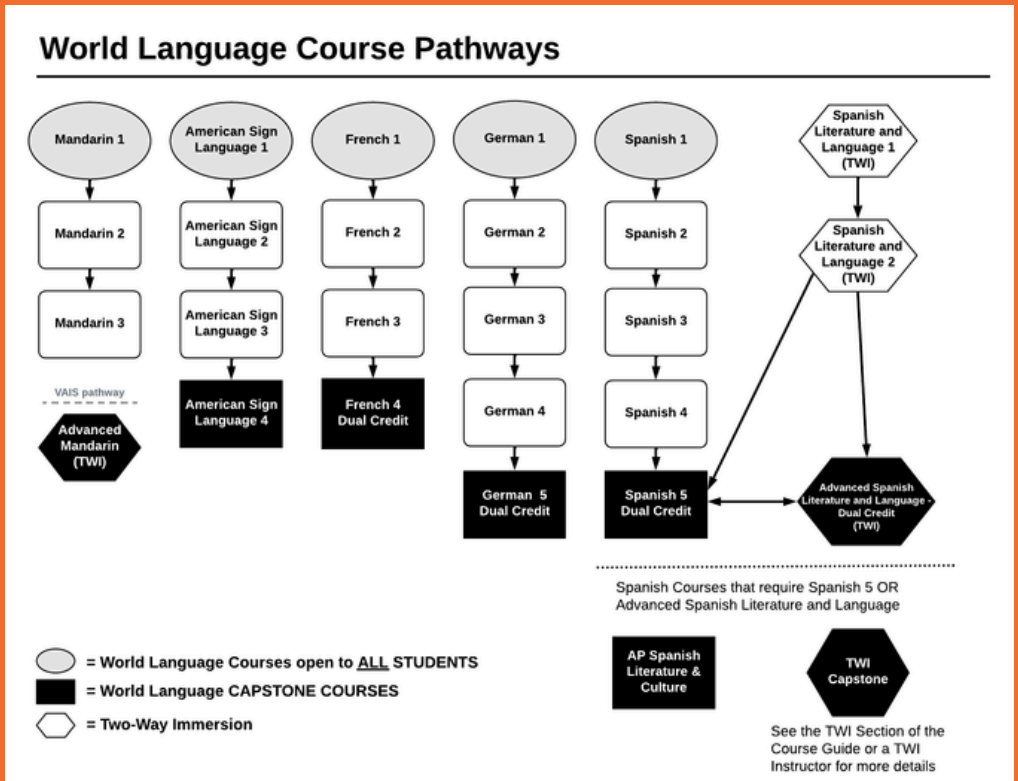
Scholars entering 11th and/or 12th grade who are interested in occupational class work that combines academic and technical studies with mentored, on-the-job training at a local business can apply for a **YOUTH APPRENTICESHIP** in one of the following program areas:

- **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



COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
French 1	VWOR0101A1 - Sem1 VWOR0101B2 - Sem2	9	None	Year-long 1
French 2	VWOR0201A1 - Sem1 VWOR0201B2 - Sem2	10	French 1	Year-long 1
French 3	VWOR0301A1 - Sem1 VWOR0301B2 - Sem2	10-12	French 2	Year-long 1
French 4 (DE - UWGB)	VWOR0401A1 - Sem1 VWOR0401B2 - Sem2	11, 12	French 3	Year-long 1
German 1	VWOR0102A1 - Sem1 VWOR0102B2 - Sem2	9-12	None	Year-long 1
German 2	VWOR0202A1 - SEM1 VWOR0202B2 - SEM2	9, 10	German 1	Year-long 1
German 3	VWOR0302A1 - SEM1 VWOR0302B2 - SEM2	10-12	German 2	Year-long 1
German 4	VWOR0402A1 - SEM1 VWOR0402B2 - SEM2	11-12	German 3	Year-long 1
German 5 (DE - UWGB)	VWOR0502A1 - SEM1 VWOR0502B2 - SEM2	12	German 4	Year-long 1

COURSE TITLE	COURSE NUMBER	GRADES	PRE-REQUISITES	COURSE LENGTH
Mandarin 1	VWOR0105A1 - SEM1 VWOR0105B2 - SEM2	9-12	None	Year-long 1
Mandarin 2	VWOR0305A1 - SEM1 VWOR0305B2 - SEM2	10-12	Mandarin 1	Year-long 1
Mandarin 3	VWOR0405A1 - SEM1 VWOR0405B2 - SEM2	11-12	Mandarin 2	Year-long 1
Advanced Mandarin	VWOR0205A1 - SEM1 VWOR0205B2 - SEM2	9-12	Completion of coursework at VAIS or equivalent program	Year-long 1
Spanish 1	VWOR0100A1 - SEM1 VWOR0100B2 - SEM2	9	None	Year-long 1
Spanish 2	VWOR0200A1 - SEM1 VWOR0200B2 - SEM2	9, 10	Spanish 1	Year-long 1
Spanish 3	VWOR0300A1 - SEM1 VOWR0300B2 - SEM2	10-12	Spanish 2	Year-long 1
Spanish 4	VWOR0400A1 - SEM1 VWOR0400B2 - SEM2	11, 12	Spanish 3	Year-long 1
Spanish 5 (DE - UWGB)	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
Spanish Literature and Language 1	VWORS110A1 - SEM1 VWORS110B1 - SEM2	9	Participation in middle school TWI program in VASD or elsewhere or heritage speaker.	Year-long 1
Spanish Literature and Language 2	VWORS210A1 - SEM1 VWORS210B1 - SEM2	10	Spanish Literature and Language 1	Year-long 1
Advanced Spanish Literature and Language (DE - UWGB)	VWOR310A1 - SEM1 VWOR310B2 - SEM2	11, 12	SLL 2 or Spanish 5. scholars 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
AP Spanish Literature and Culture	VWOR0506A1 - SEM1 VWOR0506B2 - SEM2	12	Advanced Spanish Literature and Language	Year-long 1
TWI Capstone	VWORS410A0	12	Advanced Spanish Literature and Lang OR Spanish 5 - Dual Credit. Must also take AP Spanish Lit and Culture	Semester

FRENCH

FRENCH 1
VWOR0101A1 = SEM 1
VWOR0101B2 = SEM 2
Grades: 9 predominantly, but open to all
Prerequisites: None **Credit:** 1.0, Year Course
French 1 is an introductory language class. No previous French experience is necessary. Scholars 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 scholars 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. Scholars 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, scholars will continue to build basic language skills and add new vocabulary. Emphasis is on building effective communication skills in French, and scholars 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. Scholars 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, scholars 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. Scholars will typically contribute once a week to a French-language writing journal in response to teacher prompts. Scholars will participate in Free Voluntary Reading in the target language. Scholars 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. Scholars 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 (DE - UWGB)
VWOR0401A1 = SEM 1
VWOR0401B2 = SEM 2
Dual Credit available through UW-Green Bay

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 scholars 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. Scholars will typically contribute once a week to a French-language writing journal in response to teacher prompts. Scholars 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 scholars are expected to speak French daily. Scholars 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 scholars 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. Scholars 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 to all **Prerequisites:** None
Credit: 1.0, Year Course
German 1 is an introductory language class, where no previous German experience is necessary*. Scholars 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 scholars to build the necessary skills to comprehend and produce the German language in the summative assessments given at the end of each unit. Scholars with an interest in the German-speaking countries, language, and culture will enjoy this course. This class serves as a prerequisite for German 2.
*Scholars 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 to all
Prerequisites: German 1
Credit: 1.0, Year Course
German 2 scholars 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 scholars to build the necessary skills to comprehend and produce the German language in the summative assessments given at the end of each unit. Scholars 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 scholars 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 scholars to build the necessary skills to comprehend and produce the German language in the summative assessments given at the end of each unit. Scholars 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 scholars 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 scholars 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, scholars will listen to/read and discuss a radio play about a small family living in Hamburg, Germany. Throughout the radio play, scholars 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 scholars to build the necessary skills to comprehend and produce the German language in the summative assessments given at the end of each unit. Scholars with an interest in the German-speaking countries, language, and culture will enjoy this course. This class serves as a prerequisite for German 5. Scholars 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 (DE - UWGB)
VWOR0502A1 = SEM 1
VWOR0502B2 = SEM 2
Dual credit available through UW-Green Bay

Grades: 12 **Prerequisites:** German 4 **Credit:** 1.0, Year Course
Fees: $315 only if taken for dual credit.

German 5 scholars 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 scholars to build the necessary skills to comprehend and produce the German language in the summative assessments given at the end of each unit. Scholars with an interest in the German-speaking countries, language, and culture will enjoy this course. Scholars 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 scholar who is interested in learning Mandarin as a world language. Scholars 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, scholars 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, scholars will continue building upon the 4 basic skills, yet this year, interested scholars 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 with 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 scholars 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 scholars' listening, comprehension, speaking, writing, and reading skills. Much of the class is in Spanish. Scholars will be graded on projects, quizzes, and tests, as well as accurate completion of homework and constructive participation, and speaking Spanish in class. For scholars 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: scholars 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, scholars will continue to learn basic language skills and add new vocabulary. Scholars' listening, comprehension, speaking, writing, and reading skills will develop through units on family, celebration, travel, daily routine, shopping, legends, and Spanish culture. Spanish 2 introduces scholars to increasingly complicated grammatical lessons. Almost all readings, lessons, and discussions will be conducted in Spanish. Due to the immersive nature of this course, scholars 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
VOWR0300B2 = SEM 2
Grades: 10-12
Prerequisites: Spanish 2
Credit: 1.0, Year Course
Spanish 3 is an advanced course taught almost exclusively in Spanish. Scholars 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 scholars complete units on legends, community, 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 scholars 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 scholars planning to continue their study of Spanish at a postsecondary institution. Fourth-year scholars 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 scholars 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. Scholars 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 (DE - UWGB)
VWOR0500A1 = SEM 1
VWOR0500B2 = SEM 2
Dual Credit available through UW-Green Bay

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 scholars 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 scholars planning on continuing their study of Spanish at a postsecondary institution, Spanish 5 strengthens and extends scholars' 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 scholars are required to speak Spanish in class. In taking this class, scholars 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 SCHOLARS/HERITAGE SPEAKERS
VWORS110A1 = SEM 1
VWORS110B1 = SEM 2

Grades: 9
Prerequisites: Participation in middle school program in VASD or elsewhere or heritage speaker
Credit: 1.0, Year-long course
In this course, scholars will be exposed to literature and current issues in the Spanish-speaking world. Scholars 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, scholars 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 scholars enrolled in the district's two-way immersion program and is conducted entirely in Spanish. Other scholars 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 SCHOLARS/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, scholars further develop their Spanish literacy skills and understanding from the Common Core State Standards and ACTFL World Readiness for Language Learning Standards. Scholars 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 scholar language proficiency and prepare scholars for the AP Spanish Language and Culture course.

ADVANCED SPANISH LITERATURE & LANGUAGE (DE - UWGB)
VWOR310A1 - SEM 1
VWOR310B2 - SEM 2
Dual credit available through UW-Green Bay

Grades: 11-12
Prerequisites: Spanish Literature & Language 2 with instructor recommendation, or Spanish 5. Scholars 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 scholars 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 scholars 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 scholars are required to speak Spanish in class. Scholars 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 scholars with a learning experience equivalent to that of an introductory college course in literature written in Spanish. The course introduces scholars 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 scholars 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. Scholars 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.