



West High School

# COURSE CATALOG

2021-2022



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**Madison has a vision for all students – that they will not only graduate, but graduate with the skills and abilities necessary to be successful in college, career, and community.**

We want our students to master academic content, build creativity, confidence and cultural competence, gain a strong sense of self and interpersonal skills and have a growth mindset to help them continually develop the skills and abilities to be successful. This vision for Madison’s graduates was developed with input from more than 2500 staff, students, and community members. And it is through our students that this vision comes to life.

Our graduates display a diversity of strengths, interests, skills, and bright futures that exist for every child in MMSD. In each of our students, we see them for who they are and who they are becoming.



## Academic Advising and Post-Secondary Planning

We know that it seems like there is a lot to know - and a lot of decisions to make - about choosing courses, making decisions about academic programs, and planning for after high school. Although these decisions are ultimately yours to make (with consultation and support from your family), there are many, many people at your high school who are ready to help you be successful on your journey to graduation. Additionally, throughout your high school journey you will get opportunities to explore your options through hands-on exploration opportunities, through reflecting on your growth, through developing and updating a post high school action plan, and through using Xello--an online post-high school planning tool.

## Personalized Pathways

West High School is not enrolling students in Personalized Pathways for the 2021-22 school year. We'd be happy to assist students in the West attendance area explore the opportunities available at East, La Follette and Memorial high schools, and we can help you through the Pathways enrollment process, if desired.

## Choosing Courses and Creating My Schedule

### How many credits do I need to earn a diploma from MMSD?

Typically, students need somewhere between 22 and 26 credits to earn an MMSD diploma. If you transfer into MMSD from another school district during your high school years, the number of credits required to graduate from MMSD will be determined by your MMSD high school.

I Will Complete...	Credits needed for Graduation
9th - 12th grade at East, La Follette, West, or Memorial with a 7-period schedule	22 credits needed for graduation
10th - 12th grade having spent some time at East, West, or Memorial <b>and</b> some time at La Follette	24-26 credits needed for graduation
Will graduate from an MMSD high school but spent some of my time in 9th-12th grade at a school outside of MMSD	Credits needed vary

If you have additional questions, we encourage you to meet with your school counselor to understand the credit requirements that match your individual situation. Specific policy language about MMSD graduation requirements can be found in our Board of Education Procedures Documents under [Policy #3540: Graduation Requirements](#).

To support you in staying on track for graduation, we also have a requirement for the total number of credits you need in your schedule each year. Typically, students will need to have the following number of credits each year, for a 7-period day:

9th-11th grade: 6 credits  
12th grade: 5 credits

Exceptions to this must be approved by your school principal and the MMSD Board of Education.

### What specific courses do I need to take to earn my MMSD diploma?

See an overview of the graduation requirements on the next page. Most MMSD students will be required to meet these requirements in order to receive a diploma. In some instances, students with Individualized Education Plans or who are English Language Learners may have modified graduation requirements.





# Graduation Requirements

**22**<sup>\*</sup>  
credits

**4**

credits

English

- Including English 1 and English 2

**3**

credits

Math

**3**

credits

Science

**3**

credits

Social Studies

- Including US History and Modern US History  
- Pass the state Civics exam

**6**<sup>1/2</sup>

credits

Electives

- Including 1 credit of Humanities

**1**<sup>1/2</sup>

credits

Physical Education

**1**<sup>1/2</sup>

credits

Health

\*\*

Financial Literacy

For more information,  
visit [mmsd.org/grad-requirements](https://mmsd.org/grad-requirements)

\*La Follette class of 2021 and 22 may have different credit requirements due to the change from a block schedule. See your counselor for details.

\*\*Successful completion of a course that incorporates financial literacy is required. It does not need to be a standalone course.



For students who are...	English	Math	Science	Social Studies	Additional Requirements
In the graduating class of June 2021 and beyond	4 credits <i>Including successful completion of English 1 and English 2</i>	3 credits <i>Including successful completion of courses in algebraic and geometric concepts</i>	3 credits <i>Including successful completion of courses in biological <b>and</b> physical sciences</i>	3 credits <i>Including successful completion of US History and one semester of Modern US History</i>	1.5 credits Physical Education .5 credit Health Education  Civics Exam*  1 credit of Humanities (e.g., Art, Theater, Music, World Language, etc.)  .5 credit Financial Literacy

\*In addition to earning the specific credits identified, all graduating students must also complete a **state-administered civics examination**. Students who do not receive special education services must achieve a proficiency of 65% or higher to fulfill the requirement. Students who receive special education services must participate in, and complete, the examination to fulfill the requirement. The test is currently available in the following languages: English, Spanish, Hmong, Arabic, Chinese, French, Japanese, Khmer, Korean, Mandinka, Nepali, Vietnamese, Somali, Tibetan, Wolof, and American Sign Language (in collaboration with Wisconsin School for the Deaf).

A more detailed description of the graduation requirements outlined above is provided in the policy language in our Board of Education Procedures Documents under [Policy #3540: Graduation Requirements](#).

### Can I get Physical Education credit for participation in a high school sport?

If you complete three seasons of an MMSD Board approved sport, in good standing, you have the opportunity to apply for Physical Education Replacement Credit (PERC). Through PERC, students can request approval to substitute a half-credit of English, math, science or social studies (above and beyond graduation requirements in those areas) for a half-credit of PE. There are also eligibility requirements that must be met in order to receive credit: You must be an athlete in good standing for the full season of your sport, meet your academic eligibility requirements and not incur any suspensions during your season. The list of board approved sports can be found in our [Board of Education Procedures #3160 Interscholastic Athletics](#) and the policy language governing the PERC process can be found in our Board of Education [Procedures #3540: Graduation Requirements](#).

For more information and/or to get an application for PERC, please visit your high school athletic office or reach out to the contact listed on page 25.

### What if I took high school equivalent courses while I was in middle school?

If you took high school equivalent courses while in 7th or 8th grade and passed - these credits count towards your total graduation requirements in the subject area in which they were earned. These courses will be listed on your high school transcript and the credits earned should be reflected in the Credit Summary feature of your high school transcript. If you have questions about this, please check-in with your high school counselor. Board policy language guiding this practice can be found under [Policy #3541](#) in the MMSD Board of Education Procedures documents.





## Planning for After High School

**What about credit requirements for post-secondary education options like college, university, apprenticeship programs, etc.?**

Each college, university, and training program has a specific set of entrance requirements and unique standards for what it considers to be “appropriate high school coursework.” We strongly encourage you to begin exploring admissions requirements for post-secondary options of interest early in high school. Your high school counseling department has a variety of resources that can help you learn more about how to choose courses that help you keep your options open for after high school. One especially important way to support your exploration in this area is [Xello](#), an online post-high school exploration tool. As in middle school, you will also spend time in high school participating in Academic and Career Planning lessons and experiences with teachers and counselors to support you in exploring and preparing for your personal post-high school aspirations. You will be supported to develop a post-high school action plan to guide you in your planning.

Though every post-secondary program will have its own specific entry requirements, a few general suggestions are:

- Post-Secondary Institutions want to know you are ready for college-level challenges:
  - » Take rigorous classes, such as Honors, Advanced Placement, college-level courses or Advanced CTE classes.
  - » Find a good balance between rigorous courses and your extracurricular activities. Colleges like to see that a student is involved in their school community.
  - » Post-Secondary Institutions appreciate what they call “well-rounded” coursework.
  - » Elective courses in the arts, music, technical areas and languages support this well-roundedness.
  - » A number of selective colleges and universities require students to have at least **2 years of a world language** to be eligible for admission. The recommendation from colleges is that students should take two years of the same language while in high school. Some colleges may require more.
- Specific Programs may want to see more of certain types of courses, based on the program:
  - » Many apprenticeship programs want to see strong math, reading and writing preparation.
  - » Some programs - especially those with heavy science, engineering, or math focus - may want to see more math coursework than we require for graduation.
  - » Visual Arts, Music and Design programs often require submission of a portfolio and will want to see evidence of advanced coursework in the visual and/or performing arts.
- The more selective and competitive the post-secondary program, the more likely they will want to see four years in all core subject areas (i.e., English, math, science and social studies).
  - » UW-Madison and other highly selective college admissions staff recommend 4 years of English, math, social studies and science as well as three to four years of sequential world language study in one language.

**Two Thirds  
of MMSD Graduates  
Enroll in a 2 or 4 Year  
College**



## College Testing

Due to COVID-19, and many students not having access to take college entrance tests, many colleges and universities are no longer requiring students to submit ACT or SAT scores. They are calling their admissions requirement as “test optional”. This means that you may choose to share your test scores or not and that you will not be penalized by not sharing your scores. You

will want to research the postsecondary institutions that you are intending to apply to know if they are requiring these scores or not. If you do take the SAT or ACT, most four-year colleges and universities will accept either but students who are applying to more highly competitive schools, or are interested in applying to a wide range of scholarships, may want to consider taking both if their schools are not “test optional”. In addition, some competitive schools and programs will request that interested students take SAT subject tests to demonstrate mastery in a particular content area.

**Visit our College and Career Planning websites to learn more!**

[mmsd.org/college-planning](https://mmsd.org/college-planning)

[mmsd.org/career-planning](https://mmsd.org/career-planning)

You can take the ACT or SAT as many times as you want. For admissions purposes, most colleges and universities will use your highest score, if a score is required. 12th graders need to pay attention to the admissions timelines for your schools of interest so that you have taken the appropriate assessments and have had your scores submitted by the application deadline.

## ACT ([www.act.org](http://www.act.org))

American College Test - the ACT is a national college admissions test that consists of subject tests in English, mathematics, reading, and science. The ACT plus writing includes the four subject tests plus an additional writing assessment. ACT results are accepted by all four-year colleges and universities in the United States and are preferred by the UW system. All juniors are required to take the ACT at least once, during a district-administered assessment in spring. Students can re-take the ACT in their junior or senior year, if needed. For qualifying students, two fee waivers (that cover the cost of the test) are available for the ACT. Students may request that their scores be automatically shared with up to four postsecondary institutions at the time of testing. After registration students who test using a fee waiver can also request up to an additional 20 score reports for free.

Note that many colleges and universities are going “test optional” due to COVID-19. This means that you are no longer required to share ACT scores for admissions. Be sure to research your schools of choice to know if they are “test optional” or not.

## PSAT/NMSQT ([www.cb.org](http://www.cb.org))

Preliminary Scholastic Assessment Test/National Merit Scholarship Qualifying Test is a practice test for the SAT. This test is also used to determine National Merit semifinalists. The PSAT/NMQST is offered in mid-October and is open to 10th and 11th grade students. Students interested in being considered for National Merit status must take this exam in their junior year. National Merit is a scholarship program that identifies and recognizes academically high-performing students. Many National Merit finalists receive scholarship awards either through the National Merit Scholarship Corporation or the postsecondary institution they elect to attend.

## SAT & SAT Subject Tests ([www.cb.org](http://www.cb.org))

Scholastic Assessment Test - the SAT is a globally recognized college admission test that lets you show colleges some of what you know and how well you can apply that knowledge in the areas of reading, writing, and math. Most students take the SAT during their junior and/or senior year of high school. SAT subject tests are additional tests that are specific to particular subject areas such as math, science, English, history and languages. Fee waivers are available for qualifying students. Some post-secondary institutions may use SAT subject tests to support course placement decisions and/or admission decisions to specific postsecondary programs.





Note that many colleges and universities are moving to “test optional” due to COVID-19. This means that you are no longer required to share SAT scores for admissions. Be sure to research your schools of choice to know if they are “test optional” or not.

### ACT Preparation

All students have access to free ACT test preparation through the Method Test Prep program linked to their Xello account. Method Test Prep provides a range of test preparation resources ranging from brief sets of practice questions in each subject area up to timed full-length practice tests. Additional resources for test preparation can be found on the testing websites: ACT: [www.act.org](http://www.act.org) and SAT: [www.collegeboard.org](http://www.collegeboard.org)

### What if I hope to be a student athlete in college?

If you are interested in being part of a Division I, II, or III athletic team during your college or university career, you will need to be aware of the eligibility requirements outlined by the [National Collegiate Athletic Association](http://www.ncaa.org). The NCAA establishes very specific guidance about what high school courses you take, how well you do in them, (i.e., your GPA), and your performance on the ACT or SAT. For specific information about eligibility requirements for Division I, II, and III, we encourage you to review the information that can be found at <http://www.ncaa.org/student-athletes/future> and to consult with your school counselor. To make sure that you are keeping on track with preparing to be eligible, the NCAA also recommends the following actions:



9th Grade	10th Grade	11th Grade	12th Grade
<p>Meet with your high school counselor to share your interest in working towards Div I, II, or III athletic eligibility.</p> <p>Make sure to choose NCAA-approved courses as you schedule for 10th grade.</p>	<p>Register with the NCAA Eligibility Center at <a href="http://eligibilitycenter.org">eligibilitycenter.org</a>.</p> <p>Make sure to choose NCAA-approved courses as you schedule for 11th grade.</p>	<p>Check in with your counselor to make sure you will graduate on time with all required NCAA core courses.</p> <p>*Take the ACT or SAT and submit your scores to NCAA.</p> <p>Have your preliminary transcript sent to NCAA.</p>	<p>Finish your last NCAA core courses, earning a minimum of 2.3 GPA.</p> <p>*Take ACT or SAT again if necessary to achieve needed score(s).</p> <p>After April 1st - request final amateurism certification decision from the NCAA eligibility center.</p> <p>After graduation, ensure your final transcript is sent - with proof of graduation - to NCAA.</p>
<p>Monitor your academic performance to make sure you are meeting the grade point average and course completion expectations established by NCAA.</p>			

\*Students who initially enroll full time during the 2021-22 academic year and intend to play NCAA Division I or II athletics will not be required to take a standardized test to meet NCAA initial-eligibility requirements.



# Opportunities for Advanced Coursework and Early College Credit

As you choose courses, we also want to make sure you know about all of the opportunities that exist for advanced learning experiences so that you can take advantage of them during your four years of high school. Taking advanced coursework can support you in a variety of ways:



- The number-one predictor of **success on the ACT** is what courses a student takes. More rigorous courses directly correlate to higher ACT scores. We know that ACT scores open doors to college and scholarships.
- Universities look at the level of courses that students take. **Universities would rather see respectable grades in more challenging courses than a higher GPA with less challenging courses.**
- Advanced courses teach you how to **think and ask questions**. Essential skills that you need to do **college level work**.
- Students who take challenging courses often **earn college credit, reducing the expense** of the tuition bill in college.
- Students who take challenging courses in high school are **less likely to need remedial college courses, reducing that tuition bill again!**
- Students who challenge themselves are **more engaged in high school**.
- The AP Program offers a number of **AP Scholar Awards** to students for outstanding performance on AP Exams. If you qualify, colleges will recognize this achievement.
- These classes can **increase your chances for college-specific merit aid**. Approximately 31 percent of colleges and universities will consider a student's AP coursework when making decisions about which students will receive scholarships.
  - » Students who have AP classes on their transcript impress financial aid officers—this often translates into a student receiving more free money to pay for college. (<https://www.teenlife.com/blogs/benefits-ap-classes>)
- You will have **more flexibility in college**. With several basic classes out of the way, you may want to add a second major or minor, take more electives, or study abroad and still graduate in four years. If you have multiple interests, having taken AP courses and scoring high enough on your AP exam in high school can make it more feasible to add a minor or even a second major to your undergraduate academic plan. Part of the fun of college is exploring classes outside of your requirements. Having AP credits will also free you to take more elective courses, which can also help you zero in on a major sooner.

Your school counselor and/or content teacher is a great resource if you would like to know more about any of the opportunities described below. You will also receive information about all these opportunities during the scheduling workshops with your school counselor that take place at your school, typically in January, each year.

Additional information about each of these opportunities is also available on the Madison Metropolitan School District website. Webpage links and contact information for each type of opportunity is provided on the next page.



Type of Advanced Coursework	What is it? & Why take it?	How do I choose this type of course? Who can I contact for more information?
Advanced & Honors	<p>Honors courses provide opportunities for learners to explore course material at a broader, deeper and more complex level than the standard course.</p> <p>Advanced courses typically offer students who have taken introductory-level courses to deepen their knowledge and skill. The number-one predictor of success on the ACT is what courses a student takes. More rigorous courses directly correlate to higher ACT scores. ACT scores are generally one component of the college application and/or scholarship process.</p> <p>We encourage all students to find the right level of challenge and academic “stretch” that keeps them connected to, and interested in, their experiences as a learner. All students are encouraged to enroll in advanced courses in at least one department of interest to them while in high school, as students who challenge themselves are more engaged in high school.</p> <p>Many colleges and universities offer college level credit if you place into a higher level of a World Language, which is accessible by taking an advanced level World Language course.</p>	<p>Advanced or Honors courses are offered at your high school and you can select them when you choose your courses each year using Xello. These courses are open to all students and can be a benefit to take as students who challenge themselves are more engaged in high school.</p> <p>If you are wondering whether an Honors or Advanced course would be the right fit for you, we encourage you to speak with your current teachers as well as students who have taken the course(s) you are considering, as well as to consult with your school counselor and family.</p>
Earned Honors	<p>Some 9th and 10th grade courses at each high school offer Earned Honors opportunities. To earn honors in these courses, students must earn a C or better in the course and have an average of 3.2 or higher on predetermined performance assessments. Students do not need to predetermine if they would like to pursue the honors option.</p>	<p>Contact your school counselor for more information and to determine which courses are offered for Earned Honors.</p>





Type of Advanced Coursework	What is it? & Why take it?	How do I choose this type of course? Who can I contact for more information?
Advanced Placement (AP) Courses	<p>AP courses use college-level curriculum and assessments. They help you be more prepared for college-level work by introducing you to the pace and challenge of a college-level class. Any student may enroll in an Advanced Placement course.</p> <p>At the end of an AP course you can choose to take the AP exam. <b>Many colleges and universities award college credit (or let you access more advanced college courses) if you earn a high score (3, 4 or 5) on the AP exam.</b></p> <p>Madison Virtual Campus (MVC) can provide fully online access to AP courses if scheduling issues exist or availability of the course at your school is limited. Enrollment in an AP class at another MMSD high school may be possible through the use of Virtual Learning Space (VLS) equipment.</p>	<p>AP courses are offered at your high school and you can select them when you choose your courses (using Xello) in the spring.</p> <p>For more information:  <a href="https://assessment.madison.k12.wi.us/advanced-placement-information">https://assessment.madison.k12.wi.us/advanced-placement-information</a></p> <p>For more information regarding Madison Virtual Campus or Virtual Learning Space access to AP classes, talk to your school counselor.</p> <p>See school-specific contact information on page 25.</p>
Dual Transcribed Credit (DTC) Courses	<p>Dual Transcribed Credit Courses use college-level curriculum and assessments and help you experience the rigor and pace of college-level material. You will earn high school credit for a DTC course and, <b>if you complete the course with a “C” grade or better, you also receive college credit on a college transcript.</b></p> <p>Many of these college credits are transferable to other colleges and universities.</p>	<p>Dual Transcribed Credit courses are offered at your high school.</p> <p><b>Ask your counselor for a list of current offerings.</b></p> <p>DTC courses are marked “DTC” in the course guide and on your transcripts.</p>
Project Lead the Way Courses	<p>Project Lead the Way (PLTW) courses are challenging, engaging, hands-on classroom experiences. PLTW courses in Engineering and Biomedical Sciences are offered.</p> <p>Students who successfully complete the nationally developed end-of-course assessment may be eligible for college credit through the Milwaukee School of Engineering (MSOE) or other colleges and universities. With transcribed credit, many colleges and universities will award college credits toward your program or major.</p>	<p>PLTW courses are offered at your high school.</p> <p>PLTW courses are marked “PLTW” in the course guide and on your transcripts.</p>

Chart continues on next page



Type of Advanced Coursework	What is it? & Why take it?	How do I choose this type of course? Who can I contact for more information?
<p><a href="#">Youth Apprenticeship (YA) Program</a></p> <p>Technical Coursework and <a href="#">Work-based Learning</a></p>	<p>Youth Apprenticeship courses are for 11th and 12th graders. The YA program combines academic and technical preparation with hands-on job experience. There are 12 state approved YA career cluster areas.</p> <p>YA students take technical-related coursework at either their high school or through a technical college/university and also spend time each semester in a workplace.</p> <p>College YA courses earn both high school and college credit. Work hours (during school year or summer) also earn high school credit.</p>	<p>There is an application process for Youth Apprenticeship courses. Typically, students will start this process in their 10th grade year, prior to making their junior year schedule.</p> <p>You can work with your school counselor to connect to the YA application process.</p> <p><a href="https://cte.madison.k12.wi.us/youth-apprenticeship">https://cte.madison.k12.wi.us/youth-apprenticeship</a></p>
<p>Start College Now and Early College Credit Program</p>	<p>The <b>Start College Now (SCN)</b> program provides juniors and seniors (11th and 12th graders) with the opportunity to take approved courses at Wisconsin Technical Colleges during the fall or spring semester.</p> <p>The <b>Early College Credit Program (ECCP)</b> allows juniors and seniors (11th and 12th graders) the opportunity to take approved courses at Wisconsin public (University of Wisconsin) and private universities.</p> <p>Course tuition and fees are at no cost to the student, provided MMSD's board of education determines that the course is eligible for high school credit and is not comparable to a course currently offered in any of the MMSD high schools or programs. Students are eligible to take up to 18 credits, and no more than 2 courses at a time, over the course of their junior and senior years.</p> <p>Students who successfully complete their college courses earn both high school and college credit.</p>	<p>There is an application process for both of the Early College Credit Options.</p> <p>Students can apply for summer courses only through ECCP; application deadline is <b>February 1st</b>.</p> <p>Students interested in a Fall course must apply by <b>March 1st</b> of the prior spring.</p> <p>Students interested in a Spring course must apply by <b>October 1st</b> of the prior Fall.</p> <p>Completed applications should be given to your school counselor who will submit them for you.</p> <p>Your school counselor will also help you explore how best to plan the rest of your high school schedule to accommodate your courses.</p> <p><a href="https://cte.madison.k12.wi.us/early-college-credit-options">https://cte.madison.k12.wi.us/early-college-credit-options</a></p> <p>Jen Wegner  <a href="mailto:jwegner@madison.k12.wi.us">jwegner@madison.k12.wi.us</a>  608-663-5229</p>



## Personalizing Your Learning Experience & Earning High School Credit

As an MMSD student you have access to a variety of educational experiences that happen both within and outside of your high school classroom. Some of these opportunities won't show up in your high school course catalog but can help enhance or extend the experiences you are having in your classes. These experiences include courses offered through our online learning platform (Madison Virtual Campus), self-designed independent study projects, experiential and work-based learning opportunities and unique district-wide course offerings. They offer you more choices and greater opportunity to personalize your learning experience during high school.

Typically, these experiences:

- Have a sign-up or application process and specific requirements that must be met to earn high school credit.
- Require additional learning and preparation time, outside of your school day.

A brief description of each of these programs is provided below. We encourage you to talk with your parents, teachers and school counselor to learn more about whether or not one of these options might be a good match for you based on your interests, skills, and goals.

Type of Experience	What is it? How does it work?	How do I earn credit?
Volunteer/Work-Based, Experiential Learning Experiences	<p>Volunteer/Work-Based, Experiential Learning Experiences, including job-shadowing, internships, supervised, paid (or unpaid) employment, and apprenticeships offer a great opportunity to earn valuable knowledge and skills outside of the high school classrooms.</p> <p>Students who engage in district-approved volunteer or work-based, experiential learning opportunities and complete the program requirements may earn up to 5 elective credits, and apply these credits to fulfill graduation requirements.</p> <p>Credits are earned based on hours of experience with 45 hours = .25 credits, 90 hours = .5 credits, etc.</p> <p>Students who have graduated from eighth grade are eligible to earn experiential elective work/volunteer credit the summer before their freshman year begins</p> <p>The specific guidelines for earning credit are provided in MMSD's <a href="#">Board of Education Policy #3150</a></p>	<p>Your counselor can help you understand how to set-up a work-based, experiential learning opportunity that is credit eligible and/or how to apply for credit for an existing part-time job that you currently already have.</p> <p>More information about Work-Based Experiential Learning can also be accessed from:</p> <p>Jen Wegner  <a href="mailto:jwegner@madison.k12.wi.us">jwegner@madison.k12.wi.us</a>  608-663-5229</p>





Type of Experience	What is it? How does it work?	How do I earn credit?
Foundations of Leadership (FOL)	<p>An experiential, social justice and leadership development course based on the experiences of youth of color and LGBTQ+ youth. (Delivered in partnership with GSAFE). Course experiences include project-based learning, collaborative group work, discussions and community involvement.</p> <p>Students from all high schools are eligible to apply or be nominated as rising 9th graders or as 10th graders - <a href="https://forms.gle/YXQLBjnubUiB4R3N6">Application/Nomination form</a> (<a href="https://forms.gle/YXQLBjnubUiB4R3N6">https://forms.gle/YXQLBjnubUiB4R3N6</a>)</p> <p>Participants meet on Mondays from 3:15-4:45 at the Red Gym (UW-Madison campus). Transportation provided.</p> <p>To hear why FOL students choose this course, watch our video: <a href="https://youtu.be/OZ0swdi6M0Q">https://youtu.be/OZ0swdi6M0Q</a></p>	<p>Students can earn .25 elective credits per semester. Credits are earned through attendance, self-assessments &amp; projects. For more information about FOL, contact:</p> <p>Amanda Jamae, Advanced Learning, <a href="mailto:amjamae@madison.k12.wi.us">amjamae@madison.k12.wi.us</a> Enrollment; Transportation</p> <p>Ali Muldrow, GSAFE Co-Director, <a href="mailto:ali@gsafewi.org">ali@gsafewi.org</a> Course Instructor</p> <p>Sherie Hohs, LGBTQ+ Lead, <a href="mailto:shohs@madison.k12.wi.us">shohs@madison.k12.wi.us</a> Recruitment</p> <p>For more information on FOL, go to GSAFE's website: <a href="https://sites.google.com/madison.k12.wi.us/lgbtqia/students/foundations-of-leadership-course">https://sites.google.com/madison.k12.wi.us/lgbtqia/students/foundations-of-leadership-course</a></p>
Independent Study	<p>Independent Study provides an opportunity to earn credit for a self-designed, independently completed project.</p> <p>If you are interested in designing an Independent Study project, you will need to:</p> <ol style="list-style-type: none"> <li>1. Develop your project idea and document it in an Independent Study Contract application</li> <li>2. Find a teacher or other certified staff member who is willing to be your project advisor.</li> <li>3. Submit your proposal at your school and see if it gets approved for credit by your building principal.</li> </ol> <p>If you are interested in Independent Study we encourage you to meet with your school counselor to learn more about the process (including application deadlines) and to obtain a copy of the application.</p>	<p>Once you submit your Independent Study Contract your project will be reviewed by school staff. If it is approved by your school, you will be eligible for credit once you have provided evidence that you have successfully met the learning goals that you identified in your project proposal.</p> <p>Credit is provided based on project hours: 45 hours = .25 credit 90 hours = .50 credit</p> <p>Students can earn:</p> <ul style="list-style-type: none"> <li>• up to 1 credit in Independent Study within a given year,</li> <li>• up to 1 credit in Independent Study in a given subject area,</li> <li>• and can apply up to 2 credits towards meeting graduation requirements</li> </ul> <p>Specific board policy language regarding Independent Study can be found in our <a href="#">Policy #4029</a>.</p>



Type of Experience	What is it? How does it work?	How do I earn credit?
Madison Virtual Campus (MVC) Online Courses	<p>MVC is a district-wide program that provides access to online courses for MMSD students. MVC helps meet student needs for staying on track to graduation, accessing courses not offered at their school, and taking courses they otherwise cannot fit into their current schedule. MVC students will work with an online coach at their school and an online WI licensed teacher for their content course.</p> <p>Courses available to MMSD students are listed in the MVC Course Catalog (<a href="https://curriculum.madison.k12.wi.us/mvc-online-courses">https://curriculum.madison.k12.wi.us/mvc-online-courses</a>). Courses include core, Advanced Placement and electives.</p>	<p>If you are interested in MVC, contact your school counselor to learn more about the application process. Spots in MVC are limited and priority is typically given to students closest to graduation and/or students who have other compelling needs. (<a href="https://goo.gl/hkKp3W">https://goo.gl/hkKp3W</a>)</p> <p>More information about MVC can be found on our district website: <a href="https://secondary.madison.k12.wi.us/mvc">https://secondary.madison.k12.wi.us/mvc</a></p> <p>See school-specific contact information on page 25.</p>
Early College STEM Academy	<p>The Early College STEM (Science, Technology, Engineering, Math) Academy is a partnership between the Madison school district and Madison College. The Academy is designed to expand access to college courses in science, technology, engineering and math and to increase opportunities for students to earn college credit in high school at no cost to them or their families.</p>	<p>High school sophomores, who meet eligibility requirements receive an invitation to apply for the Academy. A committee reviews applications, interviews applicants and then selects students who will be invited to enroll in the program. Students enrolled in the program will attend 11th and 12th grade at Madison College, learning in classes taught by Madison College instructors, as well as Madison school district teachers.</p> <p>For more information see your School Counselor.</p>



# Flexible Course Opportunities

## Are you...

- Looking for a way to **access a course** you want to take, but currently can't in your schedule?
- Interested in **accelerating** to earn your credits needed for graduation?
- Open to being **flexible** with your learning?
- A good **time manager** or wanting to work on those skills?
- Looking for **something a little different** during your day, or extra?
- Motivated to learn in a **technology-driven** environment?



## Details

In addition to fully online courses available through Madison Virtual Campus (MVC), you also have several other virtual opportunities for courses next year.

## Benefits

- Meet a graduation requirement
- Creative scheduling options available (Free up a class period during your school day, or take an additional credit)
- Possibility to accelerate and get ahead in your credits for graduation

## A Note About Virtual Learning Space (VLS) courses:

Each comprehensive high school has access to a Virtual Learning Space (VLS) telepresence system that can be used to connect classrooms together if schedules align. The virtual connection allows groups of students and a teacher to participate in a class together at the same time, while located at different buildings. Students will be physically present at their own school and will meet with their teacher and other classmates virtually. There may be online content to support learning. Learn more about taking a class over a system like our VLS on this website: <http://tinyurl.com/MMSDVLS>. Talk to your school counselor if you are interested in taking a class at another MMSD high school through VLS access. There are several planned offerings noted in the "Flexible Course" section in this catalog, and other connections may be possible.

## Advanced Placement German (VLS)

In the AP German Language and Culture course, students continue to develop and refine their German proficiency in interpersonal, interpretive, and presentational communication. The course is comparable to a third year college course. The class is conducted exclusively in German. Authentic German written texts and audio sources are used to enhance students' reading and listening comprehension. Through the continual integration of listening, speaking, reading and writing skills, students review and refine their grammatical and vocabulary knowledge and develop an enhanced cultural understanding of German-speaking countries in contemporary and historical contexts. The course develops students' awareness and appreciation of German culture, social practices, and perspectives. Assessment of student proficiency is based on the rubrics used to assess student performance on the AP German Language & Culture Exam. This is a Virtual Learning Space (VLS) course.

## Blended Personal Finance course

This blended learning course is part online and part face-to-face. It will be delivered through two face-to-face meetings (TBD by school) and through flexible online modules that allow you to work on your own time (5-10 hours per week) while gaining valuable life skills and knowledge. Personal Finance is one of the most useful classes you can take in order to prepare for your future! It is proven that poor financial decisions can lead to an accumulated debt spiral that will prevent you from saving and planning for a secure financial future. Learn







about careers and college, financial decision making and goal setting, budgeting, saving and investing, credit, insurance, and more!

### **Online Health Education**

This online course is recommended for 10th graders to satisfy the 0.5 credit graduation requirement for Health Education. This course is designed to provide opportunities to practice the necessary skills to become health literate individuals through application of knowledge, developing attitudes and skills to make positive decisions, and taking action to promote and protect one's health and the health of others. This course will be taught by a Health Education teacher within the student's school building to support learning. The course will be completed through online modules, which can be completed at any time in one's daily schedule. Students may also have the potential to meet face-to-face with classmates and the teacher during the semester (TBD by school). The recommended time spent in the course is 5-10 hours per week. This is not a Madison Virtual Campus course.

### **Online Physical Education**

This online course is recommended for 10th through 12th graders to satisfy 0.5 Physical Education credits of the total 1.5 credits required for graduation. The course is designed to

provide students with opportunities to deepen their physical literacy by applying knowledge and skills of various fitness and activity concepts and principles. Students will have opportunities to self-reflect and set goals to take steps to maintain an active and healthy lifestyle. There will be a regular amount of physical activity required to fulfill the course expectations, typically to be tracked/completed on a weekly basis. This course will be taught by a Physical Education teacher within the student's school building to support learning. The course will be completed through online modules, which can be completed at any time in one's daily schedule. Students may also have the potential to meet face-to-face with classmates and the teacher during the semester (TBD by school). The recommended time spent in the course is 5-10 hours per week. If you have taken a Madison Virtual Campus Phy Ed class before, you may not be eligible for this class.

### **Ho-Chunk Language**

Through partnership with the Ho-Chunk Nation, MMSD is able to offer Ho-Chunk through the Facilitated Language Study (FLS) course. In schools where FLS is not offered, students may be able to access the course virtually, depending upon capacity, scheduling, student interest and/or availability of resources.

FLS is a non-traditional language study class where students use a variety of materials and resources to learn a chosen language and cultural elements related to the places where the language is spoken. The teacher-facilitator instructs the groups in critical language learning methods and students participate in language learning activities, working individually as well as cooperatively in small language cohorts. Native and non-native-speaking tutors provide oral practice. The first year of this course covers introductory curriculum in the chosen language as well as language learning techniques. Subsequent years continue study in the chosen language.

If interested, please contact your school's World Language department chair or Claudine Clark, World language teacher Leader at [cclark@madison.k12.wi.us](mailto:cclark@madison.k12.wi.us)

### **Want to know more?**

Talk to your school counselor to look at possibilities.



## Additional Programs and Learning Opportunities

### Advancement Via Individual Determination (AVID)

#### What is AVID/TOPS?

AVID/TOPS is a college readiness system, in partnership with Boys & Girls Clubs of Dane County, that includes an elective course for students in grades 7-12. The AVID/TOPS targets students of color, low-income students, and first-generation college students in the academic middle with a GPA between 2.0 and 3.5. In the elective course, students keep the same AVID teacher and AVID/TOPS throughout high school. The elective course focuses on organizational strategies, study skills, critical thinking, tutorial support, and career and college awareness. On Mondays and Wednesdays, AVID/TOPS learn the important skills, habits and knowledge that will make them successful in high school and college. On Tuesdays and Thursdays, college-age tutors work with small groups of AVID/TOPS students to help them better understand their classwork. On Fridays, AVID/TOPS students visit colleges, listen to motivational speakers and engage in fun activities that will prepare them for college success. AVID/TOPS students visit over 10 colleges in 4 years. In addition, AVID/TOPS students have the opportunities for paid summer job internships, community mentors and a paid career exploration experience. What's more, every AVID/TOPS student gets college coaching from the beginning of their senior year and continuing until college graduation.



#### Does AVID/TOPS work?

Yes! Years of [AVID/TOPS Data](#) prove AVID/TOPS helps students succeed in high school and college. AVID/TOPS has been evaluated by researchers at the University of Wisconsin-Madison and they consistently found that AVID/TOPS significantly and positively impacts student achievement.

1. 100% of students in the AVID Elective Class graduate in 4 years
2. The AVID/TOPS class increases students' GPAs
3. AVID/TOPS students take more Advanced Placement (AP) and Honors courses and they earn higher grades in these courses.
4. Students in the AVID Elective class are more likely to enroll in college and more likely to graduate from college.

#### Why does AVID/TOPS work?

AVID/TOPS is a fully integrated partnership between MMSD and the Boys & Girls Club of Dane County that provides students in the AVID Elective Class with opportunities to succeed in the classroom and explore career and community activities that will prepare them for their future. Students in the AVID/TOPS elective class are more successful because of four key program supports.

1. AVID/TOPS places students in a rigorous curriculum and gives them the support to achieve.
2. AVID/TOPS teaches students specific strategies to succeed in high school and get into a good college.
3. Students stay with their AVID/TOPS peers for four years providing for a community of positive and motivated peers and supportive adults.
4. AVID/TOPS students are surrounded by a team of adults who advocate for every student's success.

#### What is the AVID/TOPS application and selection process?

AVID/TOPS targets students in the academic middle (GPAs between 2.0-3.5 and middle to high tests scores) with the desire to go to college and the willingness to work hard. Typically, they will be the first in their families to attend college, and come from groups traditionally underrepresented in higher education. These are students who are capable of completing a rigorous curriculum but would benefit from structured support. In the fall semester, high schools will invite all 8th grade students, who fit the target criteria to apply for the AVID/TOPS 9th grade elective class.



**Note: students who participate in AVID in middle school must also apply to participate in high school.** Once invited, interested students must 1) complete an AVID/TOPS application, 2) submit a teacher recommendation, and 3) interview with high school AVID/TOPS Site Team members. Then each high school AVID/TOPS Site Team will select the students who can enroll in the 9th grade AVID/TOPS elective course. **Students who are not initially selected to be in the 9th grade AVID/TOPS elective class may still join AVID/TOPS until the first semester of their junior year, so long as they fit the criteria.** Students interested in joining AVID/TOPS after the first semester of 9th grade should contact the AVID Coordinator at their high school.

## Sample Schedule - AVID

Here's what a sample schedule would look like while taking the AVID elective course.

Traditional 9 <sup>th</sup> Grade		AVID 9 <sup>th</sup> Grade	
ENGLISH 1	English 1 stand alone honors or earned honors (1.0)	ENGLISH 1	English 1 stand alone honors or earned honors (1.0)
SCIENCE	Biology stand alone honors or earned honors (1.0)	SCIENCE	Biology stand alone honors or earned honors (1.0)
SOCIAL STUDIES	U.S. History stand alone honors or earned honors (1.0)	SOCIAL STUDIES	U.S. History stand alone honors or earned honors (1.0)
MATHEMATICS		MATHEMATICS	
PHYSICAL EDUCATION	ELECTIVE	PHYSICAL EDUCATION	ELECTIVE
ELECTIVE		AVID ELECTIVE COURSE	
ELECTIVE		ELECTIVE	

## AVID Coordinator Contact List by School

School	AVID Coordinator	Phone number	Email address
East High School	Kate Brien	(608) 204-1673	<a href="mailto:kbrien@madison.k12.wi.us">kbrien@madison.k12.wi.us</a>
La Follette High School	Lindsay Simonson	(608) 204-3731	<a href="mailto:ldsimonson@madison.k12.wi.us">ldsimonson@madison.k12.wi.us</a>
La Follette High School	Anne Hank Braga	(608) 204-3588	<a href="mailto:amhank@madison.k12.wi.us">amhank@madison.k12.wi.us</a>
Memorial High School	Johanna Golden	(608) 663-6261	<a href="mailto:jgolden@madison.k12.wi.us">jgolden@madison.k12.wi.us</a>
West High School	Danielle Borneman	(608) 204-4988	<a href="mailto:dborneman@madison.k12.wi.us">dborneman@madison.k12.wi.us</a>





## Dual Language Immersion

Dual Language Immersion (DLI) programs offer MMSD students the opportunity of becoming bilingual, biliterate and to develop multicultural skills and dispositions while accessing grade-level content area standards. For the 2020-2021 SY, high school continuation courses are offered at East High School (9th-10th), La Follette High School (9th-12th), Memorial High School (9th), and West High (9th, 10th, and 11th).

What are DLI courses? As part of the district's Dual Language Immersion high school continuation program, the following classes are offered:

- Spanish Language Arts 1 & 2 (9th and 10th grade)
- Spanish Literature and Language Arts 1 Advanced Placement (11th grade)
- Spanish Literature and Language Arts 2 Advanced Placement (12th grade)
- US History in Spanish (9th grade)
- World History in Spanish (10th grade)
- Ethnic Studies (or alternate course at some high schools) in Spanish
- Latin American Studies (or alternate course at some high schools) in Spanish

## Sample Schedule - Dual-Language Immersion (DLI)

Here's what a sample schedule would look like for a student in DLI.

Traditional 9 <sup>th</sup> Grade		DLI 9 <sup>th</sup> Grade	
ENGLISH 1	English 1 stand alone honors or earned honors (1.0)	ENGLISH 1	English 1 stand alone honors or earned honors (1.0)
SCIENCE	Biology stand alone honors or earned honors (1.0)	SCIENCE	Biology stand alone honors or earned honors (1.0)
SOCIAL STUDIES	U.S. History stand alone honors or earned honors (1.0)	SOCIAL STUDIES	U.S. History (DLI) in Spanish (1.0)
MATHEMATICS		MATHEMATICS	
PHYSICAL EDUCATION	ELECTIVE	PHYSICAL EDUCATION	ELECTIVE
ELECTIVE		SPANISH LANGUAGE ARTS (World Language)	
ELECTIVE		ELECTIVE	



## Wisconsin Global Scholars Program & Seal of Biliteracy

If you have particular interests in global studies and world languages, there are two opportunities that you can pursue that allow you to engage more deeply in this interest area and earn special recognition for your efforts.

Global Scholars Program (GSP)	Seal of Biliteracy (SBL)
<p>The GSP recognizes students who have demonstrated knowledge of the world, awareness of diverse cultures and perspectives, and strong communication and collaboration skills.</p> <p>Interested students engage in additional learning experiences, including reading books and exploring media of choice with a multicultural or global focus, completing a community service project, participating in extracurricular events, and preparing a final reflection on your experience as a global scholar.</p>	<p>The Wisconsin Seal of Biliteracy is awarded to graduating high school students in districts with a Department of Public Instruction-approved program, who have demonstrated achievement in bilingualism, biliteracy and multicultural competence in two or more languages (English and a partner language) by successfully participating in the development of the languages through our schools, their families and the community.</p> <p>The Seal of Biliteracy honors the incredible benefit that comes from striving to become multilingual and recognizes the important role that multilingualism can play in supporting culturally competent graduates.</p>
<p>Students interested in the program submit a statement of intent form to their school's GSP coordinator and then work with their instructors to complete and share their portfolio of experiences.</p> <p>Students who successfully complete their portfolio are awarded the distinction of Wisconsin Global Scholar by the Wisconsin Department of Public Instruction. More information can be found at:  <a href="http://www.globalwisconsin.org/the-policy">http://www.globalwisconsin.org/the-policy</a>  <a href="https://dpi.wi.gov/international-education/achievement-certificate">https://dpi.wi.gov/international-education/achievement-certificate</a></p>	<p>Students interested in the program should contact their school's Seal of Biliteracy coordinator and then work with their instructors to complete and share their portfolio of experiences.</p> <p>Students who successfully complete their portfolio are awarded the Wisconsin Seal of Biliteracy by the Wisconsin Department of Public Instruction.</p> <p>In addition, more information can be found at:  <a href="https://assessment.madison.k12.wi.us/seal-biliteracy">https://assessment.madison.k12.wi.us/seal-biliteracy</a>  <a href="https://dpi.wi.gov/english-learners/wi-seal-of-biliteracy">https://dpi.wi.gov/english-learners/wi-seal-of-biliteracy</a></p>



## GSP and SBL Contact Information by School

School	Coordinator(s)	Phone	Email
East High School	Kelsey Aouane (GSP and SBL)	School: (608)204-1790	kfaouane@madison.k12.wi.us
	Spencer Hesse (GSP and SBL)	School: (608)204-1833	sdhesse@madison.k12.wi.us
La Follette High School	Kristin Montgomery (GSP and SBL)	Google Voice: (608)352-9088	kkmontgomery@madison.k12.wi.us
	Andrew Schwei (GSP and SBL)	Google Voice: (608)572-7228	atschwei@madison.k12.wi.us
	Tony Jennaro (DLI Coordinator)	Google Voice: (608)571-4873 School: (608)204-3588	awjennaro@madison.k12.wi.us
Memorial High School	Jenni Zupan (GSP)	School: (608)663-5990	jzupan@madison.k12.wi.us
	Jamie Sparks (GSP)	School: (608)663-5990	jespearks@madison.k12.wi.us
	Christina Skrede (SBL)	School: (608)663-5990	cmskrede@madison.k12.wi.us
West High School	Elizabeth Gosling (GSP and SBL)	Google Voice: (608)620-3236 School: (608)204-3511	emgosling@madison.k12.wi.us
	Deana Zorko (GSP and SBL)	School: (608)204-3511 Google Voice: (608)515-8896	dzorko@madison.k12.wi.us
	Faith Hoenecke (DLI Coordinator)	School: (608)204-3511 Google Voice: (608)492-4332	fahoenecke@madison.k12.wi.us





# Course Request Process & Course Change Procedures

## How will I select my courses?

Each year, (typically in January) you will have the opportunity to select courses for the following school year: During course selection you will receive information about the various courses that are available to you from both school counselors and teachers. You will have the opportunity to consult with your teachers, your family, and your school counselor in order to make choices that support you in exploring your interests, complete graduation requirements and build the knowledge and skills needed to support your personal post-secondary plans. Other resources that will support you in your decision making include your Academic and Career Plan experiences and the postsecondary exploration and planning tools in your Xello account. We recommend that you review your transcript (accessible through your Infinite Campus account or from your school counselor) each semester to ensure that your academic record is accurate and up-to-date. Your transcript can also help you to identify what credits still need to be completed as you progress towards meeting all of your graduation requirements. If you have any questions about required coursework, we encourage you and a key adult to make an appointment with your school counselor at any time.

## Who will help me select my courses?

Your school counselor, teachers and family may assist you in selecting the courses that will best align with your interests, skills and postsecondary goals. It is always recommended to review your selected courses with these adults.

## Changing a Course Request

It is important to select your courses wisely in January, you may make adjustments to your course requests throughout the spring by speaking to your school counselor. All changes should be made before the school year ends.

Schedule changes will only be made during fall enrollment if:

- A student did not pass a class that was required and/or the student's schedule does not meet grade level or graduation requirements.
- A student did not pass a class that was a prerequisite for another class.
- A student's Early College Credit or Start College Now course or other approved MMSD course conflicts with the student's schedule.
- Summer School course work necessitates a change in the student's schedule.

## Adding/Dropping a Course

Each school has specific procedures for adding and dropping courses once the school year has begun. However, a student who is carrying more than the required number of credits may request to drop a class for a study hall anytime within the first seven weeks of the semester (7-period day) provided the student still carries the minimum number of credits and appropriate courses needed to stay on track for graduation.

## Finishing an "Incomplete"

The "I" (Incomplete) grade in a course at the end of a semester implies that the student will have an opportunity to complete the course for credit. To change a semester grade of "I" to a passing grade, the student must successfully complete the course within a nine-week period at the beginning of the next semester. Any student who does not make up work within the nine-week period will automatically receive "F" for the course unless granted an extension by SLC principal. Upon student completion of work, the teacher will complete a Grade Change form and submit it to the appropriate office.

Note: If an athlete receives an Incomplete, they become instantly ineligible. They only have 10 days to make up the work, and then eligibility will be regained.



## Applying for Early Graduation

Juniors and Seniors interested in the possibility of early graduation - that is, finishing graduation requirements, and earning your diploma, prior to your expected graduation date you will want to share this interest with your school counselor. Your counselor will want to arrange a meeting with you and your parents or guardians to discuss your interest and make sure that you and your family have all the information that you need to make the best decision. **If you decide to pursue early graduation, you and your family will need to complete a request form and have it approved by your school.** Then, your counselor will help you to map out a plan for completing your graduation requirements at a more accelerated pace.

Any student who graduates in January of their senior year is eligible for all awards, privileges and distinctions given to the graduating class. As with any graduate, it is ultimately an early graduate's responsibility to become aware of and apply for these honors and to coordinate with the neighborhood secretary regarding graduation materials and activities.

## Important Contacts

PERC Contact: Alicia Pelton [akpelton@madison.k12.wi.us](mailto:akpelton@madison.k12.wi.us) 608-204-3060

AP Coordinator: Joanna Williams [jbwilliams2@madison.k12.wi.us](mailto:jbwilliams2@madison.k12.wi.us) 608-204-4129

MVC Contact: Jane Glynn [jlglynn@madison.k12.wi.us](mailto:jlglynn@madison.k12.wi.us) 608-204-4135

<b>Kelly Anderle</b> (608) 960-8208 (call/text) kaanderle@madison.k12.wi.us  <i>students may also request a zoom or call at <a href="https://kaanderle.youcanbook.me">kaanderle.youcanbook.me</a></i>	<b>Sky Chandler</b> (608) 509-4887 (call/text) slchandler@madison.k12.wi.us  <i>call/text/email if you'd like to set up a phone/zoom call, or email with questions</i>	<b>Karen Coombs</b> (608) 514-1928 (call/text) kecoombs@madison.k12.wi.us  <i>call/text/email if you'd like to set up a phone/zoom call</i>
<b>Amanda Dyer</b> (608) 571-7881 (not checked frequently) acdye@madison.k12.wi.us  <i>email contact preferred &amp; will be most timely for a response</i>	<b>Jane Glynn</b> (608) 571-5231 (call/text) jlglynn@madison.k12.wi.us  <i>email contact preferred &amp; will be most timely for a response</i>	<b>Lisa Lehman</b> (608) 571-4557 (call/text) lalehman@madison.k12.wi.us  <i>students may also request a zoom or call at <a href="https://lalehman.youcanbook.me">lalehman.youcanbook.me</a></i>
<b>Cynthia Nordmeyer</b> (608) 620-5935 (call/text) cwnordmeyer@madison.k12.wi.us  <i>Visit <a href="https://cwnordmeyer.youcanbook.me">cwnordmeyer.youcanbook.me</a> to book an appointment during my office hours (M, T, F: 9:00-11:00; Thursdays 11:00-1:00)</i>	<b>Joanna Williams</b> (608) 620-3770 (call/text) jbwilliams2@madison.k12.wi.us	
<b>Registrar &amp; Administrative Assistant</b>  <b>Felissia Jackson</b> Office: 608-204-3073 Fax: 608-204-0530 fjackson@madison.k12.wi.us		



# Index of Academic Course Offerings

**NOTE ON FEES:**

**Course fees may be subject to change. Requests for fee waivers** are included in the August online enrollment process under the socioeconomic status section. Requests will be reviewed by the building principal or authorized school district personnel.

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## ACADEMIC SKILLS

ACADEMIC SKILLS	Credit	Fee	Course Number	Grade Levels			
				09	10	11	12
Resource Hall (1 <sup>st</sup> semester)	0		STUDY1	x	x		
Resource Hall (2 <sup>nd</sup> semester)	0		STUDY2	x	x		
Study Hall (1 <sup>st</sup> semester)	0		STUDY3			x	x
Study Hall (2 <sup>nd</sup> semester)	0		STUDY4			x	x

### **Resource Hall**

STUDY1/STUDY2

Grades 9-10

Students may opt to enroll in Resource Hall for either one or both semesters. All students who are not scheduled for a class during the school day are assigned to a study hall. Resource Hall provides a quiet study area in room 2026, as well as access to the following tutorial services: West High Cross Grade Peer Tutorial Program, the Literacy Center, and Schools of Hope Tutorial Program. Attendance is mandatory, and quiet study is the expectation.

### **Study Hall (Commons)**

STUDY3/STUDY4

Grades 11-12

Students may opt to enroll in Study Hall (formerly known as Commons) for either one or both semesters. All students who are not scheduled for a class during the school day are assigned to a study hall. Students in 11<sup>th</sup> and 12<sup>th</sup> grade will be assigned to the West Commons, room 103. Study tables are available for group work, as well as individual seating. All students have access to the West High School Cross Grade Peer Tutorial Program, the Literacy Center, and the Schools of Hope Tutorial Program in room 2026. Attendance is mandatory, and quiet study/socializing is accepted.



## ALTERNATIVE CREDIT OPPORTUNITIES

(Sign up for these in the Fall – Student Assistant Form (Class, Office or LMC Asst.) due by the end of the 2<sup>nd</sup> week of each semester if taking for credit; no deadline if taking for community service)

ACTIVE CREDIT OPPORTUNITIES	Credit	Fee	Course Number	Grade Levels			
				09	10	11	12
Class Assistant (Application required)	CS* or .25/sem		GEN1010		x	x	x
Office Assistant (Application required)	CS* or .25/sem		GEN1030	x	x	x	x
LMC Assistant (Application required)	CS* or .25/sem		GEN1050			x	x
Independent Study (Application required)	.5/sem		GEN9900			x	x
Work Experience (see Counselor)	.5/sem		WRK1010			x	x
Peer Tutor	.25/sem		GEN1070	x	x	x	x
Peer Support	.5/yr		GEN1095	x	x	x	x
*CS = Community Service							

**Class Assistant** (Application required)      GEN1010      .25 Cr or CS      Elective 10-12

Students are selected by the course instructor or may apply to instructor to assist in the classroom. Duties include: helping set up demonstrations, working on laboratory experiments, and assisting students with laboratory or class work. Assistants are expected to be available a minimum of 5 periods per week.

Application is due by the end of the 2<sup>nd</sup> week of the semester if taking for credit; no deadline if taking for community service.

**Office Assistant** (Application required)      GEN1030      .25 Cr or CS      Elective 9-12

Assistants work in offices or in the student services center. They receive 1/4 credit per semester. Their responsibilities depend on the needs of the particular office but include delivering messages, distributing mail, assisting with records of absences and program changes, answering the telephone, etc. Other duties are assigned by the secretary as help is needed. Application is due by the end of the 2<sup>nd</sup> week of the semester if taking for credit; no deadline if taking for community service

**LMC Assistant** (Application required)      GEN1050      .25 Cr or CS      Elective 9-12

Interested students should speak with the librarian. The librarian will determine final selection. Student assistants work with the LMC staff on a variety of tasks. Assistants are expected to be available a minimum of 5 periods per week. Application is due by the end of the 2<sup>nd</sup> week of the semester if taking for credit; no deadline if taking for community service.

**Independent Study**

GEN9900

.5 Cr

Elective 11-12

*\*Application form required and approval by West High Independent Study Committee.*

The Independent Study Program at West High School provides opportunities for students to engage in learning activities which are above and beyond those found in the regular curriculum. Such study extends opportunities for individual students to work under the supervision of a faculty member on projects that lend both depth and breadth to the student's education. **\*\*Application forms are available in the Highland SLC Office (Rm 2011) and need to be submitted for consideration by the end of the second week of each semester.**

**Work Experience**

WRK1010

.5 Cr

Elective 11-12

Students who engage in district-approved volunteer or work-based, experiential learning opportunities and complete the program requirements may earn up to 5 elective credits, and apply these credits to fulfill graduation requirements. Credits are earned based on hours of experience with 45 hours = .25 credits, 90 hours = .5 credits, etc. Students must secure their own jobs.

**Peer Tutor**

GEN1070

.25 Cr

Elective 9-12

The Cross-Grade Peer Tutorial Program is a service-oriented program for those students who wish to volunteer as tutors. This program is designed to give academic support to students who may need instructional help beyond what is available in the regular classroom. Assistance is offered to any motivated student (freshman through senior) in a variety of subjects. Interested students should select, to tutor, the subject(s) in which they feel the greatest confidence. Tutors are usually recruited and accepted through a teacher's recommendation. Credit depends on the commitment and dependability of the tutor. Enrollment does not guarantee credit since a working relationship has to be established with another student. This should **NOT** be used to fulfill close graduation requirements. Students should sign up in the Cross-Grade Peer Tutorial Room (Room 2026) after school starts in the fall.

**Peer Support**

GEN1095

.5 Cr/Yr

Grades 9-12

Peer Support is a service-oriented class for students who have an interest in helping classmates with special needs. Students will learn how to include peers socially and academically to develop shared learning and new relationships. Students will increase their comfort in supporting peers with significant disabilities by learning more about disabilities, making schoolwork doable, and communication and motivation strategies. Students will be able to ask questions, share concerns, and get feedback on their peer relationships. Benefits of participating in this class include developing new advocacy and support skills, deepening your commitment to inclusion, learning more about yourself, improving your attitudes and expectations related to people with disabilities and forging new friendships.

# ART

ART	Credit	Fee	Course Number	Grade Levels			
				09	10	11	12
Drawing 1	.5/sem	\$20	ART2125	x	x	x	x
Drawing 2	.5/sem	\$20	ART2085	x	x	x	x
2-D & 3-D Design	.5/sem	\$20	ART2035	x	x	x	x
2-D Techniques Advanced 1	.5/sem	\$30	ART2045		x	x	x
2-D Techniques Advanced 2	.5/sem	\$30	ART2055		x	x	x
Ceramics & Sculpture 1	.5/sem	\$20	ART4015		x	x	x
Ceramics & Sculpture 2	.5/sem	\$30	ART4025		x	x	x
Ceramics & Sculpture 3	.5/sem	\$30	ART4035			x	x
Ceramics & Sculpture 4	.5/sem	\$30	ART4045			x	x
Computer Art: Animation	.5/sem	\$20	ART6085		x	x	x
Art Metals & Glass 1	.5/sem	\$60	ART5055		x	x	x
Art Metals & Glass 2	.5/sem	\$60	ART5065		x	x	x
Art Metals & Glass 3	.5/sem	\$60	ART5075			x	x
Art Metals & Glass 4	.5/sem	\$60	ART5085			x	x
Yearbook Design and Publishing	1.0/yr		ART1060			x	x
Computer Art-Illustration 1	.5/sem	\$15	ART6105	x	x	x	x
Computer Art-Illustration 2	.5/sem	\$15	ART6115	x	x	x	x
Computer Art-Illustration 3	.5/sem	\$15	ART6125		x	x	x
Photography 1	.5/sem	\$20	ART6015	x	x	x	x
Photography 2	.5/sem	\$20	ART6025	x	x	x	x
Photography 3	.5/sem	\$30	ART6035		x	x	x
Photography 4	.5/sem	\$30	ART6185		x	x	x
Portfolio Development	.5/sem	\$30	ART9035			x	x
Art Seminar	.5/sem	\$30	ART9055			x	x

**All art courses are meant to be taken sequentially to ensure student success through the building of essential methods and skills. Students, parents/guardians, administrators and counselors should talk to the course instructor to determine if bypassing a level is appropriate.**

**Drawing 1** ART2125 .5 Cr Elective 9-12 \$20

This introductory drawing course is designed to further develop student skills and creative thought processes through an in-depth study of various mediums and techniques. Students will create a wide variety of drawings using various mediums and learn fundamentals like shading, still-life, portraiture, human anatomy, contour, shading, two-point perspective, grid and life drawing. Student experiences will include exploration of elements of art and principles of design, history and cultural applications, contemporary artists, careers, the art of critique, and art appreciation.

*Meets Requirement for Global Scholars Program (GSP).*

<b><u>Drawing 2</u></b>	ART2085	.5 Cr	Elective 9-12	\$20
This course builds on skills and concepts learned in Drawing 1. This course allows you to refine and expand skills learned in Drawing I while offering new experiences and challenges. Opportunities will be given for students to sharpen their drawing skills and creativity while generating images from their experiences. Experiences will include study of elements of art and principles of design, history, cultural applications, contemporary artists, careers, the art of critique, student work portfolio and art appreciation.				
<b><u>2-D &amp; 3-D Design</u></b>	ART2035	.5 Cr	Elective 9-12	\$20
This foundation course provides an opportunity for students to learn about materials, skills, and concepts used in creating two- and three-dimensional artworks. A wide range of materials, tools, and techniques will be used in this course. Students will explore observational drawing strategies, color theory, form, and construction. Art history and gallery studies are also integrated into art making units. Visual journals are kept as a way to document and develop personal style and interests. This course provides an excellent foundation for those students wishing to pursue Ceramics/Sculpture or Art Metal/Glass. <i>Meets Requirement for Global Scholars Program (GSP).</i>				
<b><u>2-D Techniques Advanced 1</u></b>	ART2045	.5 Cr	Elective 10-12	\$30
This course continues to focus on advanced 2D techniques. Water-based oils, charcoal, conte, specialized drawing pens, and pastels are just a few of the medias offered. Students are encouraged to think creatively and develop their own personal style through their growth and development. <i>Meets Requirement for Global Scholars Program (GSP).</i>				
<b><u>2-D Techniques Advanced 2</u></b>	ART2055	.5 Cr	Elective 10-12	\$30
Advanced 2D Techniques 2 is a continuation and further development of skills and techniques learned in Advanced 2D Techniques 1. Students are given more personal responsibility for the creation of their artwork with an emphasis on building conceptual and technical skills.				
<b><u>Ceramics &amp; Sculpture 1</u></b>	ART4015	.5 Cr	Elective 10-12	\$20
The study of the ceramic arts provides opportunities to explore the expressive side of sculpture and the design and functional aspects of pottery. A variety of ceramic sculpture techniques will be taught and used by the student to creatively solve artistic problems presented in class. Training on the pottery wheel will focus on foundational pottery forms. Students will utilize finishing techniques and processes with attention to craftsmanship. Experiences will include elements and principles of design, history, cultural applications, contemporary artists, careers, the art of critique, and art appreciation. Students interested in solving three-dimensional artistic challenges which involve inventive thinking and direct involvement with a highly versatile material should consider this course. <i>Meets Requirement for Global Scholars Program (GSP).</i>				
<b><u>Ceramics &amp; Sculpture 2</u></b>	ART4025	.5 Cr	Elective 10-12	\$30
This course will build on the experiences, knowledge and techniques presented in Ceramics and Sculpture I. Students will have the opportunity to focus on wheel-thrown or hand-built ceramics as they work through a series of design problems. Students are encouraged to develop their inventive thinking, creativity and craftsmanship through vigorous involvement with the media to emphasize exploration of form, texture, and surface decoration while fostering personal expression and the development of a unique artistic style. An expanded investigation of ceramics will include historical, cultural and career elements while examining contemporary trends and artists.				
<b><u>Ceramics &amp; Sculpture 3</u></b>	ART4035	.5 Cr	Elective 11-12	\$30
This course will build on the experiences and techniques introduced in Ceramics & Sculpture 2. Students will have the opportunity to focus on either wheel-thrown or hand-built ceramics and will be encouraged to develop a personal style with their work. More extensive investigations into advanced ceramic forming techniques, firing processes, and glaze chemistry will be covered. Students enrolling in this course should have a strong and consistent work ethic and a willingness to complete assignments that demonstrate growth in the				



ability to conceptualize, problem solve, and appropriately apply glaze and surface decoration to enhance and embellish their forms. Students will also be required to assist with basic studio maintenance including: clay recycling and mixing, glaze formulation, kiln loading and unloading. Students will have the opportunity to experience a variety of firing processes including cone 10 wood firings at MMSD's MSCR/Hoyt facility.

<b><u>Ceramics &amp; Sculpture 4</u></b>	ART4045	.5 Cr	Elective 11-12	\$30
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This class is for the advanced ceramics student who has a strong and consistent work ethic, advanced skill in numerous clay-forming, decorating, and glazing techniques, and the ability to be productive while working independently. Students will continue to develop their wheel and/or hand-built ceramic skills as they research artists and ideas to provide direction for their own work. Some theme-based projects and exhibitions along with regular individual and group critiques will provide direction for student artists. Students will also be required to assist with basic studio maintenance including: clay recycling and mixing, glaze formulation, kiln loading and unloading. Students will have the opportunity to experience a variety of firing processes including cone 10 wood firings at MMSD's MSCR/Hoyt facility.

<b><u>Computer Art: Animation</u></b>	ART6085	.5 Cr	Elective 10-12	\$20
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Animation provides a unique and challenging set of artistic learning experiences involving drawing, movement and sound. First quarter focuses on learning the Adobe Animate software and many of its capabilities. Second quarter focuses on learning the essential steps involved in animation design and production: character and environment design; character movement; camera placement and movement; soundwork; storyboarding; lip syncing and more. Animations will be constructed in Adobe Animate with sound work performed in Adobe Audition and Audacity.

<b><u>Art Metals &amp; Glass 1</u></b>	ART5055	.5 Cr	Elective 10-12	\$60
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This course will provide students with an introductory experience in the design and fabrication of jewelry and sculpture in metal and glass. Emphasis is placed on design and construction of well-crafted, original work using a variety of tools and processes including but not limited to: sawing, filing, piercing, soldering, cold joining, texturing, annealing, polishing, and glass mosaics. Basic studio skills such as proper care of tools and equipment, studio safety procedures, and working vocabulary associated with techniques will be emphasized. Guest artists are included along with trips to local galleries and regional museums and shows.

<b><u>Art Metals &amp; Glass 2</u></b>	ART5065	.5 Cr	Elective 10-12	\$60
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This course will provide students with a continuing experience in the design and fabrication of jewelry and sculpture in metal and glass. Students will receive instruction in new techniques such as Tiffany glass techniques (stained glass), fused glass, cabochon stone setting, surface treatments, multi-joint soldering, links and chains, as well as other advanced techniques. An increasing emphasis will be placed on original design and craftsmanship as well as the science behind a variety of metals and processes.

<b><u>Art Metals &amp; Glass 3</u></b>	ART5075	.5 Cr	Elective 11-12	\$60
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This course will provide students with a continuing experience in the design and fabrication of jewelry and sculpture in metal and glass. Through individual and small group demonstrations and critiques, students are shown many new techniques for their metal and glass work. This course emphasizes construction of utilitarian forms as well as sculpture and jewelry. Students will create hollow forms and learn techniques such as: raising, forging, textures, and lost-wax casting. Advanced design skills and originality will be emphasized as students design a "series" of pieces. Students will be encouraged to find their own style and area of focus in metal or glass and create a series of projects around that focus.

<b><u>Art Metals &amp; Glass 4</u></b>	ART5085	.5 Cr	Elective 11-12	\$60
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This class is for the advanced metal and glass student who is self-motivated and has the potential to be productive working with an Individual Contract Based Curriculum. This course is designed to further develop skills through a more in-depth study of art metal and glass processes and techniques. Some theme-based projects and exhibitions, along with regular individual and group critiques, will provide direction for student

artists. Students will have the opportunity to create a piece of work for the Scholastic Art Awards competition which challenges design and technical skills. Individual work, vision, and personal style will be emphasized, and careers in metals and glass fields will be explored. Students will have the opportunity to develop a portfolio for admission into college, or into becoming an entrepreneur. Advanced students are required to assist with basic studio maintenance.

### **Yearbook Design and Publishing**

ART1060

1.0 Cr

Elective 11-12

This course is a one-credit course driven by student decision-making along with a rigorous curriculum to learn industry standard software packages, production processes, and deadline achievement. The focus is producing a quality yearbook for the student body. Students learn to write concise body copy and captions as well as to operate various desktop publishing software packages. Color theory, photographic composition, layout and design concepts, and image use will be taught and used in the process of the creation of the yearbook. In addition, students are introduced to marketing and advertising principles to make their published work a success. This course is great for those students who work well independently and within a team environment. Each student will be influential in many decisions made about the creation and design of the yearbook. *May be repeated for credit.*

### **Computer Art-Illustration 1**

ART6105

.5 Cr

Elective 9-12

\$15

This is an introductory course for students of all levels who are interested in illustration and graphic design. Students will explore the elements and principles of art and design by creating art on the computers in the Art Dept. Mac Lab. Students will study observational drawing, symbolic communication in logo design, portraiture, and poster design. Students will be using Wacom Bamboo interactive drawing tablets and learning step-by-step how to use Adobe Illustrator (professional level) software and how to use the Apple computer platform. Art history topics are integrated into the curriculum. Individual drawing style and personal vision in student artwork is encouraged.

*Meets Requirement for Global Scholars Program (GSP).*

### **Computer Art-Illustration 2**

ART6115

.5 Cr

Elective 9-12

\$15

This course builds on skills learned in Computer Art-Illustration 1. In the Art Department Mac Lab, students will complete more complex assignments, delving further into their personal creative vision and critical thinking ability. Students will study typography, advanced poster design, observational drawing, and design the next year's Senior Citizen t-shirt. Students will continue to develop advanced digital drawing and design skills using Adobe Illustrator. Art history topics are integrated into the curriculum. Wacom Bamboo interactive drawing tablets are provided for student use in class.

### **Computer Art-Illustration 3**

ART6125

.5 Cr

Elective 10-12

\$15

This class is for the advanced illustration and graphic design student. Students will create a comprehensive portfolio based on a visual theme, concept, or genre of artwork in this contract-based class. The student will propose a personal vision that they want to communicate through visual means to an audience. Regularly scheduled evaluations will provide friendly, constructive feedback to help you hone your visual communication skills. Students will be evaluated in the following categories: Design, Craftsmanship, Originality, Participation/Productivity, and Improvement using the Visual Arts Evaluation Rubric. Wacom Bamboo interactive drawing tablets are provided for student use in class.

<b><u>Photography 1</u></b>	ART6015	.5 Cr	Elective 9-12	\$20
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This is an introductory course for students of all levels who are interested in digital photography. In this course you will learn the fundamentals of photography, composition, and how to use a digital camera with manual controls to effectively maximize the effect shutter speed, aperture and ISO have on your exposures. Students will learn digital imaging techniques to create both black and white and color artwork. Students will also learn how to creatively compose photographs with a variety of subject matter, study the elements of composition, the use of light, narrative portraiture, and surrealism to create personally meaningful artwork. Students will learn how to use Photoshop to edit and enhance your photos. A digital camera with manual controls is recommended for this course.

<b><u>Photography 2</u></b>	ART6025	.5 Cr	Elective 9-12	\$20
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This course challenges students to expand and refine their ability to take and manipulate high-quality creative photographic images while building on the skills developed in Photography 1. Students will continue to enhance their Adobe Photoshop editing skills through creativity-based projects based on composition, documentary photography, digital manipulation of photographic images, and conceptual art, among others. Students will further advance their visual communication skills, the development of personal artistic vision, and their critical thinking abilities. Students will engage important photographic genres and learn about career opportunities in photography. Access to a Digital Single Lens Reflex (DSLR) or a point and shoot camera with Manual controls for ISO, Shutter Speed, and Aperture is recommended as well as successful completion of Photography 1.

<b><u>Photography 3</u></b>	ART6035	.5 Cr	Elective 10-12	\$30
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This class is for the advanced photography student and builds on the skills learned in Photography 2. Students will create a comprehensive portfolio based on a visual theme, concept, or genre of artwork in this contract-based class. The student will propose a personal vision that they want to communicate through photographic means to an audience. Regularly scheduled evaluations will provide friendly, constructive feedback to help you hone your visual communication skills. Students will be evaluated in the following categories: Design, Craftsmanship, Originality, Participation/Productivity, and Improvement using the Visual Arts Evaluation Rubric. Photography 3 students will develop film and use a scanner to upload the images to their computer, in addition to their digital camera work. Wacom Bamboo interactive drawing tablets are provided for student use in class. Representatives from art colleges will give presentations and conduct portfolio reviews for students interested in preparing for careers in the arts. Students will be offered the opportunity to prepare an AP Studio Art portfolio. Students must have their own digital camera for homework assignments (3mp or more).

<b><u>Photography 4</u></b>	ART6185	.5 Cr	Elective 10-12	\$30
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This class is for the continuing advanced photography student and builds on the skills learned in Photography 3. Students will create a comprehensive portfolio based on a visual theme, concept, or genre of artwork in this contract-based class. Students will propose a personal vision that they want to communicate through photographic means to an audience. Regularly scheduled evaluations will provide friendly, constructive feedback to help you hone your visual communication skills. Students will be evaluated in the following categories: Design, Craftsmanship, Originality, Participation/Productivity, and Improvement using the Visual Arts Evaluation Rubric. In addition to producing a portfolio of artwork, Photography 4 students will complete a research project based on a major artist or art movement. Wacom Bamboo interactive drawing tablets are provided for student use in class. Representatives from art colleges will give presentations and conduct portfolio reviews for students interested in preparing for careers in the arts. Students will be offered the opportunity to prepare an AP Studio Art portfolio. Students must have their own digital camera for homework assignments (3mp or more).

<b><u>Portfolio Development</u></b>	ART9035	.5 Cr	Elective 11-12	\$30
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This class is for the advanced art student who has completed four semesters of classes that prepared them to work independently and are considering attending an art college. Emphasis will be on art portfolio preparation

including sketchbook development, advanced observational drawing strategies, and regular figure-drawing sessions. Students will also work to develop their own personal artistic voice, complete complex assignments, learn how to professionally photograph their work, and write an artist statement for a quality portfolio presentation. Representatives from art colleges will give presentations and conduct portfolio reviews for students interested in preparing for careers in art. Students will be offered the opportunity to prepare an AP studio art portfolio.

**Art Seminar** ART9055 .5 Cr Elective 11-12 \$30

Art Seminar is similar to an independent study but is formatted in a group setting allowing for individual instruction and direction. Like Portfolio Development, it is for the advanced and more serious art student. This course is designed to further develop student skills through a more in-depth study of various mediums and techniques of choice by individual artists. Students will have the opportunity to study and explore a wide variety of medias focusing on their personal interests and building their portfolios. Areas of concentration will be at the discretion of each artist. Representatives from several colleges will visit and give presentations as well as conduct portfolio reviews with students interested in preparing for careers in art. Students will also have the opportunity to create a digital portfolio. This class can be taken more than once for credit.

**Independent Study – Art** ART9900 .5 Cr Elective 11-12

A minimum of four (4) semesters of art classes or consent of the instructor is highly recommended. Independent Study allows students to add another hour of Studio Art. This class is for the advanced art student who is self-motivated and has the potential to be productive working with an individual contract-based curriculum. This course is designed to further develop skills through a more in-depth study of various media and techniques of choice by individual artists. The Independent Study application is required and must be submitted to the Independent Study Committee for consideration by the end of the second week of each semester.



# AVID

## Application / Selection Process

AVID	Credit	Fee	Course Number	Grade Levels			
				09	10	11	12
AVID 1 (Application/Selection Process)	1.0/yr		AVD1010	x			
AVID 2	1.0/yr		AVD1020		x		
AVID 3	1.0/yr		AVD1030			x	
AVID 4	1.0/yr		AVD1040				x

<b><u>AVID 1</u></b>	AVD1010	1.0 / Yr	9
<b><u>AVID 2</u></b>	AVD1020	1.0 / Yr	10
<b><u>AVID 3</u></b>	AVD1030	1.0 / Yr	11
<b><u>AVID 4</u></b>	AVD1040	1.0 / Yr	12

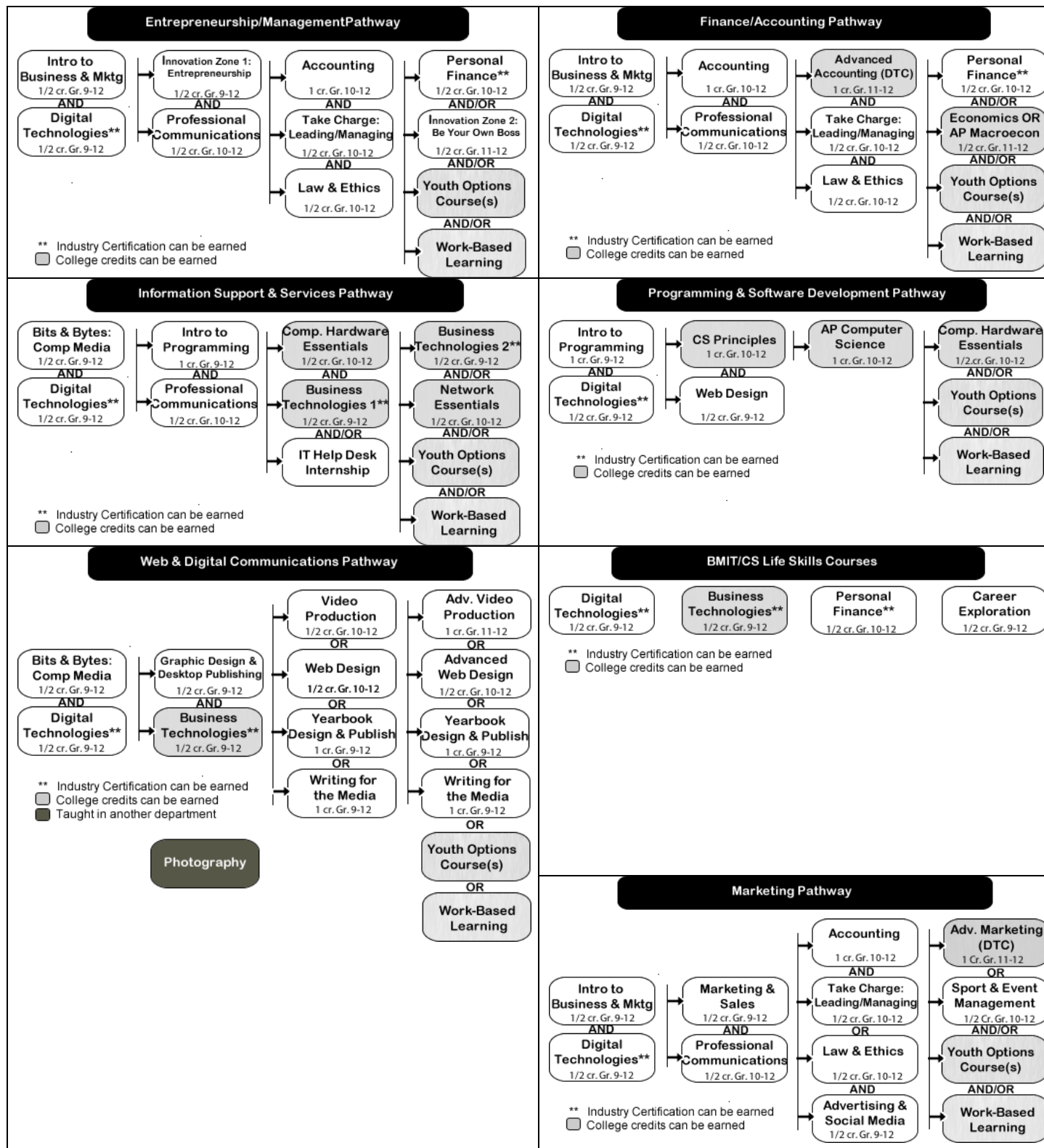
AVID is a college-readiness program for qualifying students to develop the academic and social skills needed to be successful in post-secondary education. Students in the program enroll in an AVID course where they learn goal-setting, note-taking, writing skills, and reading strategies for each of their high school years. Motivational activities include speakers, field trips, college visits, and seminars. Additionally, AVID students will be highly encouraged to enroll in advanced courses in high school.

**Recommended:** AVID program students have average to high test scores, a 2.0-3.5 qualifying GPA, college potential with support, desire, and determination. AVID students must also meet one or more of the following criteria: first to attend college, historically underserved in four-year colleges, low income and/or have special circumstances. Students apply and are admitted into the program beginning with their freshman year. Please see a counselor for information.

# BUSINESS, MARKETING and INFORMATION TECHNOLOGY / COMPUTER SCIENCE

<b>BUSINESS, MARKETING, IT/COMPUTER SCI</b>	<b>Credit</b>	<b>Fee</b>	<b>Course Number</b>	<b>Grade Levels</b>			
				<b>09</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>Business Courses:</b>							
Introduction to Business and Marketing	.5/sem		BUS2065	x	x	x	x
Personal Finance	.5/sem		BUS2055		x	x	x
Zero-Hour Personal Finance (before school)	.5/sem		BUSZ2055		x	x	x
Blended Personal Finance (online)	.5/sem		V-BUS2050		x	x	x
Accounting	1.0/yr		BUS2010		x	x	x
Advanced Accounting	1.0/yr		BUS2030			x	X
Law & Ethics	.5/sem		BUS3015		x	x	X
Web Design	.5/sem		BUS4015	x	x	x	X
Innovation Zone I: Entrepreneurship	.5/sem		BUS4095	x	x	x	X
Career Internship	1.0/yr		CTE9040				X
<b>Marketing Courses:</b>							
Marketing & Sales	.5/sem		MRK1015	x	x	x	X
Advertising & Social Media	.5/sem		MRK1035	x	x	x	X
Advanced Marketing	1.0/yr		MRK1020			x	X
Sport & Event Management	.5/sem		MRK1045			x	X
<b>Computer Science / Information Technology Courses:</b>							
Web Design	.5/sem		BUS4015	x	x	x	X
Digital Technologies	.5/sem		CMP1025	x	x	x	X
Bits & Bytes: Computer Media	.5/sem		CMP1045	x	x	x	X
Business Technologies	.5/sem		CMP4035	x	x	x	X
Introduction to Computer Programming)	1.0/yr		CMP2010	x	x	x	X
AP Computer Science Principles (Math credit)	1.0/yr		CMP4010	x	x	x	X
AP Computer Science A (Math credit)	1.0/yr		CMP2020			x	X

## CAREER PATHWAYS (not all courses are offered at West):



## **BUSINESS EDUCATION**

### **Introduction to Business and Marketing**      BUS2065      .5 Cr      Elective 9-12

Knowledge is power, and this course is perfect in introducing and preparing you to view the world in a whole new way. Through hands-on projects, guest speakers, and real-life activities, you will be exposed to concepts relating to our global economy and the economic way of thinking, types of business organizations, cultural traditions, current business trends and developments, and basic marketing and business concepts.  
*Meets Requirement for Global Scholars Program (GSP).*

### **Personal Finance**      BUS2055      .5 Cr      Elective 10-12 **Zero-Hour Personal Finance** (before school) BUSZ2055      .5 Cr      Elective 10-12

Personal Finance is one of the most useful classes you can take in order to prepare for your future! It is proven that poor financial decisions can lead to an accumulated debt spiral that will prevent you from saving and planning for a secure financial future. Learn to manage your personal financial affairs through real-life applications. Areas of study include investing, banking, taxes, credit, acquiring insurance and loans, budgeting, and successful employment skills. Technology is infused throughout this course, with applications ranging from personal money management to preparation of income tax forms to evaluating investment options. Walk away from this class with the WISE Financial Literacy Certification. This course satisfies the district Financial Literacy graduation requirement for students graduating in 2021 and beyond. **Zero hour can NOT be taken as an additional credit above the 7 credit maximum. Students must select a resource/study hall during their day if they enroll in this class.**

### **Blended Personal Finance (online option)** V-BUS2050      .5 Cr      Elective 10-12

This blended learning course is part online and part face-to face. This course satisfies the district Financial Literacy graduation requirement for students graduating in 2021 and beyond. It will be delivered through two face-to-face meetings (time to be determined) and through flexible online modules that allow you to work on your own time (5-10 hours per week). Personal Finance is one of the most useful classes you can take in order to prepare for your future! It is proven that poor financial decisions can lead to an accumulated debt spiral that will prevent you from saving and planning for a secure financial future. Learn about careers and college, financial decision making and goal setting, budgeting, saving and investing, credit, insurance, and more! Students may register for this class and still maintain a full-day schedule

### **Accounting**      BUS2010      1.0 Cr      Elective 10-12

Accounting is the key to opening the door to the business world, and that is why it is called the "language of business." Every business in our society is impacted by accounting-based decisions. In addition, accounting is essential in many occupations as well as being useful in comprehending your personal finances. Understanding how accounting data is accumulated through the double-entry procedure and the reporting and basic analysis of this financial information are key outcomes of the course. Other topics covered include payroll, inventory, depreciation, and career exploration. This is an important college preparatory course for students planning to major in any area of business.

### **Advanced Accounting**      BUS2030      1.0 Cr      Elective 11-12

Give yourself the competitive edge! Whether your post-secondary plans include education or going straight to the working world, Advanced Accounting is for the young professional who wants to understand "how" a business operates. Emphasis is given to the analysis and interpretation of financial activity, preparing and interpreting financial statements, and applying accounting theory in decision making. This class will prepare you to manage, report, interpret, and analyze financial data as well as help you to develop the skills necessary to understand the "story behind the numbers"! *(Dual/transcribed credit is offered by Madison College with transfer possibilities to other colleges and universities.)*



**Law & Ethics**

BUS3015

.5 Cr

Elective 10-12

What can you do if you've been tricked into a poor contract? Where would you take your lawsuit? How high up the court structure can your case go? Learn answers to these and other legal questions pertaining to both personal and business law applications. This course is designed to familiarize you with the basic legal principles relevant to your roles as citizens, consumers, and employees. Content includes the origin of law, criminal and civil law, the court system, business ethics, basic elements of contracts, intellectual property, consumer laws, employer-employee relations, and environmental law. Emphasis throughout the course will be given to application of basic principles of law to everyday situations through case studies, possible field trips, and class discussion. You will also undertake a "mock trial" experience which provides first-hand experience in a courtroom atmosphere.

**Web Design**

BUS4015

.5 Cr

Elective 9-12

Do you want to create your own personal place on the Internet to start an online business or personal social site? In this Web Design course students will use a variety of design software to organize, create, publish, and manage a website. Course content includes creating a variety of graphic elements including video, animations, rollover effects, backgrounds, and page images.

**Innovation Zone I: Entrepreneurship**

BUS4095

.5 Cr

Elective 9-12

Innovate! Explore! Create! Take a Risk! Learn about the fascinating inner workings of being an entrepreneur. Learn about business, marketing, finance, management, and more while you develop your own school-based enterprise. Find your inner entrepreneurial spirit to someday be your own boss.

**Career Internship**

CTE9040

1.0 Cr

Elective 12

Get paid, receive credit, and gain experience. Learn while you earn by linking your classroom knowledge to paid employment in a business environment in the Madison area. Build leadership skills while applying classroom knowledge in a real business setting. Students may be employed in areas relating to Accounting, Business Support Services, Finance, Information Technology, Law, Marketing, and Real Estate. These are employment opportunities that students would have difficulty securing on their own. At the time of course completion and 180 on-the-job hours, students will be awarded a State Certified Employability Skills Certificate. A great resume enhancer and conversation piece during job interviews. *Students must complete a program application, interview, and obtain a letter of reference from one other teacher.*

**Youth Apprenticeship: Finance**

1.0 Cr

Elective 11-12

Finance Youth Apprenticeship (YA) is a rigorous two-year elective program for high school juniors and seniors that combine academic and technical classroom instruction with mentored on-the-job learning. Students will learn accounting services, banking basics, and business financial management. Please see your counselor and your Business Education teacher if you are interested. Students are responsible for transportation and other course supplies and materials. *Junior or senior status required Students must be on-track for high school graduation and completion of a financial-related course within the local high school.* Application and approval process required for enrollment. Students must apply by March.

**MARKETING EDUCATION****Marketing & Sales**

MRK1015

.5 Cr

Elective 9-12

What do Apple, ESPN, Twitter, Google, and Nike have in common? They are all successful marketers! Learn the skills and methods that have helped these companies to become some of the world's most recognized and celebrated brands. Marketing touches the lives of people on a daily basis as family members, consumers, and employees. This course will provide the opportunity for you to gain valuable marketing insight, knowledge, and skills in the processes and procedures that occur from the creation of a product/service to the consumption of those products/services by the consumer. You will explore the functions of marketing with a specific emphasis on promotion, selling, market research, distribution, and pricing.

**Advertising & Social Media**

MRK1035

.5 Cr

Elective 9-12

Advertising and Social Media is designed to challenge you in analyzing topics related to advertising, social media, and customer service as well as designing visual and digital media for real-life application. Classroom activities will showcase fun and challenging case studies that will provide a good understanding of many careers in business and marketing.

**Advanced Marketing**

MRK1020

1.0 Cr

Elective 11-12

This class builds on the skills from Marketing and Sales. Advanced Marketing is designed to expand the concepts of Marketing and Sales if you are interested in a marketing career. Classroom focus is group instruction with the opportunity to apply "real-life" situations to the real world while working with the school-based enterprise and local business partners. *(Dual/transcripted credit is offered by Madison College with transfer possibilities to other colleges and universities.)*

**Sport and Event Management**

MRK1045

.5 Cr

Elective 11-12

This class builds on the skills from Marketing and Sales. Billions of dollars are spent annually on sports and other forms of entertainment. This fascinating service area is a growing industry that employs advertising and promotion agents, personal assistants, sports agents, event planners, and many other professionals. You will apply the fundamental principles and concepts in sports and event management and develop critical thinking and decision-making skills through hands-on, real-world projects. Classroom instruction will be reinforced through guest speakers, case studies, and field trips.

**COMPUTER SCIENCE EDUCATION****Digital Technologies**

CMP1025

.5 Cr

Elective 9-12

A must-have course for all students who want to be successful in today's technology-driven world. You'll work in a real-world environment and prepare for success in your high school years, college, or employment by using advanced concepts in word processing, spreadsheets, databases, desktop design, keyboarding, and presentations, as well as gain hands-on experience with the latest online and digital tools. You will also be exposed to emerging technologies and their practical use in education and beyond!

**Bits & Bytes: Computer Media**

CMP1045

.5 Cr

Elective 9-12

Like computers? Want to learn about the many areas of information technology through fun, real-world projects? You will explore programming, acoustical/sound manipulation, graphic design, web design and animation, multimedia, troubleshooting and support, and with basic network configuration. Career options in information technology (IT) will also be discussed. This course is the gateway to many other IT pathway courses.

**Business Technologies 1**

CMP4035

.5 Cr

Elective 9-12

Master the features of Microsoft Office and enjoy the benefits in both your academic and business careers. No matter what your career choice, you will be expected to have professional software application skills. In any business, time is money. People who know how to successfully use Excel, Word, PowerPoint, Publisher, and Access give themselves a competitive advantage in the job market. Advance your skills in up to three of the five areas of Microsoft office each time you take this course. A valuable option available to you is the opportunity to become certified as a Microsoft Office Specialist (MOS). This MOS credential is globally recognized by colleges and the modern workplace and distinguishes an individual as qualified and knowledgeable in Microsoft applications. This course can be taken more than once to complete additional certifications. *(Dual/transcripted credit is offered by Madison College with transfer possibilities to other colleges and universities.)*

**Introduction to Computer Programming**      CMP2010      1.0 Cr      Elective 9-12

This is an introductory course in computer programming which offers an exposure to a variety of programming environments. Students will learn how to approach a program and will learn about the basic formats used in programming. Skills learned in this course will give students a strong background to enter additional programming courses. Units of study could include problem-solving, web design, introduction to programming, app inventor, data analysis, and robotics. Anyone with an interest in computer science is welcome.

**AP Computer Science Principles**      CMP4010      1.0 Cr      Elective 10-12

In this course students will see how the principles of computer science allow people to change the world. Students will be introduced to the big ideas of computer science: creativity, abstraction, data, algorithms, programming, internet, and impact. Students will learn to use languages such as Snap!, Javascript, and Python to make creative projects. College credit and/or advanced placement may be earned depending on the results of the AP test offered in May. This course will be transcribed as math credit.

**AP Computer Science A**      CMP2020      1.0 Cr      Elective 11-12

This course prepares students for careers in STEM (Science, Technology, Engineering and Math). The topics covered include algorithms, object-oriented programming, one- and two-dimensional arrays, and lists. Programming projects include creating a chatbot, digitally modifying pictures, and making games. The course is taught in the Java programming language. College credit and/or advanced placement may be earned depending on the results of the AP test offered in May. This course will be transcribed as math credit. *Successful completion of Computer Science Principles or another AP math course is strongly recommended prior to taking AP Computer Science A.*

**Career Internship**      CTE9040      1.0 Cr      Elective 12

GET PAID, RECEIVE CREDIT AND GAIN EXPERIENCE. Couples classroom learning with valuable, on-the-job work experience in a field related to the student's career interest. Build decision-making and leadership skills while applying classroom knowledge in a real and career-specific setting. Previous internship placements have included: Engineering, Construction, Culinary Arts, Medical, Dentistry, Information Technology, Accounting, Finance, Marketing, Interior Design, Journalism, and Criminal Justice/Law Enforcement to name just a few. A great resume enhancer and conversation piece during your next job interview and/or scholarship application. At the time of course completion and on-the-job hours, students may be eligible to be awarded a State Certified Employability Skills Certificate or other Skills Certificate. *Students must complete a program application, interview, and obtain a letter of reference from one other teacher.*

**Youth Apprenticeship: Information Technology**      1.0 Cr      Elective 11-12

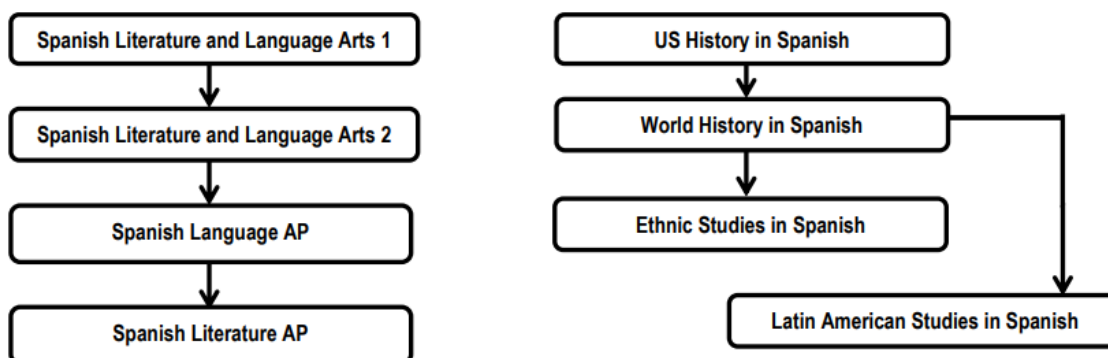
Youth Apprenticeships (YA) are opportunities for juniors or seniors to start preparing for a career while still in high school. One- and two-year programs combine rigorous academic preparation, relevant occupational instruction, and paid work-based learning from an employer. You will attend regular classes in your high school, in addition to technical-related classes at Madison College or some other central site. You will work an average of 12-15 hours per week. These hours may be obtained during the summer along with during the school year, and may or may not be during the school day. Students are responsible for transportation and other course supplies and materials. Current YA Programs offered include: Auto Technician, Biotechnology, Construction, Finance & Accounting, Health Services, Culinary/Hospitality/Tourism, Information Technology, Pharmacy Technician. *Junior or senior status required Students must be on-track for high school graduation and completion of technical-related courses within the local high school.* Application and approval process required for enrollment. Students must apply by March.

## Dual Language Immersion (DLI)

<b>DUAL LANGUAGE IMMERSION (DLI)</b>	<b>Credit</b>	<b>Fee</b>	<b>Course Number</b>	<b>Grade Levels</b>			
				<b>09</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>GRADE 9</b>							
US History in Spanish	1.0/yr		SOC6070	x			
Spanish Literature and Language Arts 1	1.0/yr		FOR8050	x			
<b>GRADE 10</b>							
World History in Spanish	1.0/yr		SOC6080		x		
Spanish Literature and Language Arts 2	1.0/yr		FOR8060		x		
<b>GRADE 11</b>							
Ethnic Studies – Spanish DLI	.5/sem		SOC6095			x	
Language and Community Engagement	1.0/yr		FOR8090			x	x
<b>GRADE 12</b>							
Latin American Studies – Spanish DLI	.5/sem		SOC7015				x
Language and Community Engagement	1.0/yr		FOR8090			x	x

Dual language immersion (DLI) programs offer MMSD students the opportunity of becoming bilingual and biliterate while developing multicultural skills and dispositions while accessing grade-level content standards.

### Recommended Dual Language Immersion Course Sequence



## GRADE 9

### US History in Spanish

SOC 6070

1.0 Cr

Grade 9

The course emphasizes active and critical exploration of history covering the period from the Civil War through WWII. Analysis of primary sources will introduce students to the voices of people who make history. Through classroom discussion, experiential activities and individualized research, students explore patterns of change, the continuity of ideas and defining turning points in US History. Students use the central concepts of capitalism, democracy, equality and justice as a backdrop in their investigation of the following topics: the rise of industrialization, organized labor's response, the immigrant experience, the struggle for racial equality, and the emergence of the U.S. as a world power following the Great Depression and the two world wars. An additional focus of this course is to improve students' writing, reading and discussion skills in Spanish and in alignment with the Common Core State Standards. ***This course is conducted almost exclusively in Spanish. This course is designed for students enrolled in the district's Dual Language Immersion programs. Other interested students should consult with a guidance counselor prior to registering for this course.***

### Spanish Literature and Language Arts 1

FOR 8050

1.0 Cr

Elective 9

This course, in alignment with the Common Core State Standards, emphasizes reading, understanding, and reacting in writing to literature written in Spanish. In this course students will build upon prior knowledge of grammar, vocabulary, word use and the mechanics of writing. They will develop and apply this learning through the four skill domains of reading, writing, listening and speaking through linguistically and culturally authentic tasks. In this course, students will be introduced to literary genres through texts written in Spanish for a Spanish speaking audience from a range of historical eras and geographical contexts ***This course is conducted almost exclusively in Spanish. This course is designed for students enrolled in the district's Dual Language Immersion programs. Other interested students should consult with a guidance counselor prior to registering for this course.***

## GRADE 10

### World History in Spanish

SOC 6080

1.0 Cr

Grade 10

*Recommendation: Participation in DLI program or meets minimum Spanish proficiency level for course.*

This course is taught in Spanish and is designed for bilingual learners. The course challenges students to explore the historical events, geographical forces of change, intellectual revolutions and cultural traditions that shaped the modern world. As students examine the changing political, social and economic institutions in Asia, Africa, Europe and the Americas over time, they will discuss international issues and explore solutions to world problems. While developing an understanding and appreciation for the world's diversity, students will become critical thinkers by developing inquiry and discussion skills. This course is designed for students enrolled in the district's dual language immersion and developmental bilingual programs. Other interested students should consult with a guidance counselor prior to registering for this course.

### Spanish Literature and Language Arts 2

FOR 8060

1.0 Cr

Elective 10

In this year-long course, students build on Spanish Language Arts 1 skills and further develop their Spanish literacy skills and understandings from the Common Core State Standards and ACTFL World Readiness for Language Learning Standards. Students hone their abilities to read, write and think critically while engaging in collaborative work with peers that provide practice in speaking, listening, and academic vocabulary usage. Students work with a range of authentic Spanish language texts, both literary and informational around universal themes of identity, beauty, friendship, and the influence of technology. The course is conducted almost exclusively in Spanish and focuses on accurate communication through different domains in the Spanish language. Extensive reading, vocabulary building, and grammar practice develop greater student language proficiency and prepare students for the AP Language and Culture Spanish course.



## **GRADE 11**

### **Ethnic Studies – Spanish DLI**

SOC6095

.5 Cr

Grade 11

*Recommendation: Participation in DLI program or meets minimum Spanish proficiency level for course*

This course examines ethnicity and identity in modern-day America, exploring topics of power, prejudice, intersectionality, and organizing for positive change. Students will explore these issues from a historical perspective (how have historical ideas about ethnicity and difference shaped our identities?), a sociological perspective (how do our differences and similarities shape how we act and interact?), a civic perspective (how does identity connect to a sense of belonging and access to power?), and a cultural perspective (how do we express our identities through art?). Students will engage in a variety of research methods, including interviews, close reading of challenging texts, field observations, and art analysis. Students will produce a variety of texts including an ethnographic study, a formal research paper, and an oral history podcast presentation. This course is offered in English for 11th grade students and in Spanish as part of the Dual Language Immersion Social Studies track (recommended for DLI 11th graders).

## **GRADE 11 & 12**

### **Language and Community Engagement - Spanish DLI**

FOR 8090

1.0 Cr

Elective 11-12

*Recommendations: Students should have a minimum of intermediate mid proficiency, have completed SLA 2 and/or AP Spanish Language and Culture, and/or have teacher recommendation before enrolling in this course.*

Students who have studied a language in school or are heritage speakers will have the opportunity to continue their language study in an individualized way with an emphasis on using the language outside of a classroom setting and in the local and global community. Through various opportunities for communication in the target language that extend beyond the classroom, students will explore individualized areas of interest and community engagement. Each semester will culminate in a student-led project that reflects the semester's learning.

## **GRADE 12**

### **Latin American Studies – Spanish DLI**

SOC 7015

.5 Cr

Grade 12

This course is designed for students enrolled in the district's dual language immersion and developmental bilingual programs. Other interested students should consult with a guidance counselor prior to registering. The course covers pre-Columbian Indigenous societies, the period of Spanish conquest and rule, the struggle for independence, and the current efforts to modernize and stabilize the wide variety of Latin American nations. The course will be taught entirely in Spanish and will include primary source and current event analysis, formal research and academic writing, guest speakers, and in-class discussion.

# ENGLISH

Students are required to earn four credits of English for graduation. Ninth- and tenth-grade English is required of all students. In grades 11 and 12 students are given a choice of non-sequential semester electives, each providing one half credit towards graduation. College preparatory students, however, should check with the colleges of their choice for verification on what courses are acceptable for college admission; i.e., some colleges might not accept courses in Communication Arts for admission.

**Students entering grades 10-12 may select more than one English course in a semester but no more than 1.5 credits of English per year.** Elective courses may not be offered both semesters. Enrollment will be by grade level with priority given to seniors, then juniors, then sophomores. The number of sections of a course is dependent on student selection and teacher allocation.

According to Madison Metropolitan School District's graduation requirements, for students to earn an English credit for a course taken, the course must incorporate instruction in written communication and composition, oral communication, grammar, and usage of the English language, and literature. The course must use grade-level Common Core State Standards for English Language Arts that include instruction in reading literature and informational texts, writing, speaking and listening, and language. Supplemental and intervention courses are available to all students who demonstrate a need beyond core instruction and will offer elective credits.

<b>ENGLISH</b>	<b>Credit</b>	<b>Fee</b>	<b>Course Number</b>	<b>Grade Levels</b>			
				<b>09</b>	<b>10</b>	<b>11</b>	<b>12</b>
English 1 (Earned Honors Option Available)	1.0/yr		ENG1010	x			
English 1 Honors	1.0/yr		ENG1020	x			
English 2 (Earned Honors Option Available)	1.0/yr		ENG1040		x		
English 2 Honors	1.0/yr		ENG1050		x		
<b>WRITING</b>							
Writing for Media and Publication	.5/sem		ENG2055		x	x	x
Creative Writing	.5/sem		ENG2025			x	x
Writing Workshop Advanced	.5/sem		ENG2045			x	x
<b>LITERATURE</b>							
Contemporary Literature	.5/sem		ENG3055		x	x	x
Biblical Literature	.5/sem		ENG3115		x	x	x
Science Fiction	.5/sem		ENG3125		x	x	x
Dramatic Literature	.5/sem		ENG3045		x	x	x
Literature of a People-Rising Up	.5/sem		ENG3175		x	x	x
Trends in 20 <sup>th</sup> Century Literature Honors	.5/sem		ENG3135		x	x	x
Survey of American Literature Honors	.5/sem		ENG3145			x	x
European Literature Honors			ENG3165			x	x
<b>GRAMMAR</b>							
Language, Usage & Grammar	.5/sem		ENG2075		x	x	x
<b>COMMUNICATION ARTS</b>							
Film Study	.5/sem		ENG4015		x	x	x
Mass Media	.5/sem		ENG4025		x	x	x
Public Speaking	.5/sem		ENG6015		x	x	x

**English 1** *(Earned Honors option)*

ENG1010

1 Cr

Required 9

In this year-long course students build on their learning from grade 8 as they develop their skills and understandings from the Common Core State Standards grades 9-10 band. Reading, discussing, and writing in response to high-quality, high-interest literary and informational texts develop students' ability to synthesize ideas within and across texts, analyze the choices authors make, use knowledge of language and its conventions, how to acquire and use vocabulary words, and foster the joy of reading. Using collaborative discussions and activities enables students to understand the importance of considering various perspectives. Students write for a variety of purposes and audiences using the writing process and technology to create and publish narrative, informative/explanatory, and argument texts. *Meets Requirement for Global Scholars Program (GSP).*

**English 1 Earned Honors** offers the opportunity for all students to enrich and intensify their English 1 experience. Students choosing the honors designation should possess a passion for the subject and demonstrate integrity and leadership in the classroom. Through completion of parallel and additional coursework students will be challenged to think more independently and work toward more complex literary interpretation. A culminating project may be included.

**English 1 Honors**

ENG1020

1 Cr

Required 9

English 1 Honors parallels the core curriculum with greater rigor. A course that receives an honors designation has expectations for students that are measurably broader, deeper, and/or more complex in comparison to its standard course.

*Meets Requirement for Global Scholars Program (GSP).*

**English 2** *(Earned Honors option)*

ENG1040

1 Cr

Required 10

In this year-long course students continue to develop their skills and understandings from the Common Core State Standards grade 9-10 band. Students engage with both literary and informational texts to hone their ability to read, write, and think critically about the course's themes and topics while engaging in both collaborative work with their peers as well as independent work. Students write shorter and extended texts in the modes of narrative, informative/explanatory, and argumentative texts, leveraging technology, the research process, and the writing process to develop and publish writing.

*Meets Requirement for Global Scholars Program (GSP)*

**English 2 Earned Honors** offers the opportunity for all students to pursue advanced skills and knowledge. Honors students will think independently, enjoy robust debate, and value others' ideas; seek complexity in literary interpretation; demonstrate integrity and leadership in the classroom. In addition to some parallel and additional coursework, students will complete a capstone project to culminate each semester. Each semester the capstone project will address a unique theme and be offered to all tenth graders at once. Earned honors students can work with any sophomore they choose on the capstone project and will present their project publicly.

**English 2 Honors**

ENG1050

1 Cr

Required 10

English 2 Honors parallels the core curriculum with greater rigor. A course that receives an honors designation has expectations for students that are measurably broader, deeper, and/or more complex in comparison to its standard course.

*Meets Requirement for Global Scholars Program (GSP).*

English Electives for Grades 10-12	
<b>Writing Courses:</b> Writing for Media and Publication Creative Writing Writing Workshop Advanced	<b>Literature Courses:</b> Contemporary Literature Biblical Literature Science Fiction Dramatic Literature Literature of a People-Rising Up Trends in 20 <sup>th</sup> Century Literature Honors Survey of American Literature Honors European Literature Honors
<b>*Communication Arts Courses:</b> Public Speaking Mass Media Film Study  <i>*UW-Madison and many other colleges accept only a ½ credit of Communication Arts courses toward their admissions requirements.</i>	<b>Grammar Course:</b> Language, Usage & Grammar

## WRITING

### Writing for Media and Publication                      ENG2055                      .5 Cr                      Elective 10-12

Learning to write for a publication provides opportunities to develop a variety of useful skills: speed, clarity, conciseness in writing, confidence in meeting and talking with strangers, critical thinking, and realistic longrange time management. Students are encouraged to write for the school newspaper, but it is not required. Students will study news, feature, sports, editorial writing, interview techniques, editing skills, current events, basic photography, and page design. Students selecting this course should have at least average spelling and grammar skills.

### Creative Writing    ENG2025                      .5 Cr                      Elective 11-12

The student who chooses this course should be a competent writer and be strongly committed to writing. This course offers the student the opportunity to explore writing short stories, poetry, and creative non-fiction. In addition to major assignments there will be many short writing exercises and the study of models. Students choosing this course must be able to handle long-term assignments and participate in the critical process. It is advisable for the student to have successfully completed English 1 and 2 before enrolling in this course.

### Writing Workshop Advanced                              ENG2045                      .5 Cr                      Elective 11-12

This is a course for students who are already competent at writing a well-organized paper, who are committed to writing, and who are interested in developing their writing styles. Students will write complex expository papers incorporating personal narrative, argumentation, research, and literary criticism. Special emphasis is given to writing personal essays, poetry explication, impromptu essay preparation, and the language, literature, and composition AP exams. The course is recommended only for those who enjoy reading and writing about complex essays, novels, short stories, and poetry. The workshop demands that students learn sophisticated, varied, and appropriate writing styles.

## LITERATURE

### Contemporary Literature                                      ENG3055                      .5 Cr                      Elective 10-12

In this course students will be exposed to themes in literature which are relevant to today's young adults: themes of personal relationships, survival, and identity. In addition, students will develop awareness of their own cultural heritage as they examine the roles of culture, privilege, and of power in society. Students will discuss sensitive topics such as race, gender, class, and sexuality. Assignments may include, but are not limited to, literary analysis, presentations/performance, formal essays, and group discussion. Selections by authors representing a broad range of culture will be studied and may include: *Montana 1948*, *Our Town*, *Angela's Ashes*, *One Thousand Pieces of Gold*, *House on Mango Street*, *Am I Blue*, *Breaking Ice*, *Grass Dancer*, *The Laramie Project*, *Ellen Foster*, and *the Secret Life of Bees*.  
*Meets Requirement for Global Scholars Program (GSP).*

**Biblical Literature**

ENG3115

.5 Cr

Elective 10-12

The Bible is fundamental to Western thought. This course is designed to give the student knowledge of, not faith in, some parts of the Bible by reading it as literature and understanding its cultural context. Major emphasis will be on the Old Testament with a smaller unit on the New Testament. Students will become familiar with some of the stories, characters, and themes and with vocabulary and biblical allusions. Students will explore literary forms, various editions, and interpretation. There will be several papers and exams during the course of the semester. Students will provide their own Bible.

*Meets Requirement for Global Scholars Program (GSP).*

**Science Fiction**

ENG3125

.5 Cr

Elective 10-12

This is an intermediate-level literature course for students who enjoy or want to learn more about science fiction. From an early "history" of a trip to the moon in the 2<sup>nd</sup> Century to the beginnings of science fiction alongside modern science itself, the course traces works and defining categories. Another relevant thread that will drive the course is the multi-disciplinary connections students will find – from anthropology to zoology!

Students will primarily read Eric Rabkins's *Science Fiction: A Historical Anthology* tracing science fiction's historical development, its various types, and its commentary on humanity and society. The course will examine science-based essays as well as some artwork which comments on science's role in society. Additionally, students may view one or more films. Students will demonstrate understanding of material and concepts through tests, quizzes, projects, creative writing, and written analysis.

**Dramatic Literature**

ENG3045

.5 Cr

Elective 10-12

This intermediate literature course centers on reading and analyzing plays spanning the history of European and American theater including, but not limited to, Greek classics, Shakespeare, Oscar Wilde, and more modern performing arts. Students will work both collaboratively and independently to build their understanding around various movements within theater in order to enhance their critical thinking and writing skills. Students can also expect to plan performances and potentially attend performance field trips to complement their studies.

*Meets Requirement for Global Scholars Program (GSP).*

**Literature of a People-Rising Up**

ENG3175

.5 Cr

Elective 10-12

This intermediate level course will explore literature that focuses on marginalized voices struggling to rise up against established authority. Through the study of a wide variety of genres--spoken word poetry, speeches, novels, essays, graphic novels, and hip hop--students will critically examine, discuss, and write about themes revolving around power, oppression, justice, culture, assimilation, and identity. Student work will involve close reading, personal creative expression through narrative, poetry, and/or spoken word, and literal and lyrical analysis. Whole class and choice text authors and titles may include, but are not limited to, Toni Morrison's *The Bluest Eye*, Marjane Satrapi's *Persepolis*, Che Guevara's *The Motorcycle Diaries*, *The Autobiography of Malcolm X*, Julia Alvarez's *In the Time of Butterflies*, Bryan Stevenson's *Just Mercy*, Maxine Hong Kingston's *China Men*.

*Meets Requirement for Global Scholars Program (GSP).*



**Trends in 20<sup>th</sup>-Century Literature Honors**      ENG3135      .5 Cr      Elective 10-12

This is a course for mature students who wish to read the works of significant 20<sup>th</sup>-Century authors. Students will study character types, themes-war, disillusion, modernism, existentialism, feminism-and literary theories. The course will offer a variety of literary genres: short stories, novels, poetry, and drama. Students may explore authors from the following: Kafka, Camus, Beauvoir, Vonnegut, Angelou, Plath, Kesey, Beckett, Morrison, Naylor, Kennedy, and Penn Warren. The course includes examinations and critical essays.

*Meets Requirement for Global Scholars Program (GSP).*

**Survey of American Literature Honors**      ENG3145      .5 Cr      Elective 11-12

This course is a study of works by American authors from the colonial to the modern. Students will read, discuss, and write about selections from the Puritans, Nineteenth- and Twentieth-century poets, novelists, and short story writers. Possible selections include: *The Crucible*, *The Scarlet Letter*, *Huckleberry Finn* and *A Farewell to Arms*, as well as poetry by Poe, Dickinson, Whitman, Hughes, and Eliot, and short stories by Hemingway, Faulkner, O'Connor, Chesnutt, and Dunbar.

**European Literature Honors**      ENG3165      .5 Cr      Elective 11-12

The student who chooses this course must have an interest in traditional literature and be able to read and write with insight. The purpose of the course is to introduce the student to influential English authors and European literature in translation. The course is structured to develop analytical and critical thinking skills, both in a collaborative setting and through independent activities. Authors may include, but are not limited to, Sophocles, Abnoui, Ibsen, Faust, Chaucer, Milton, Shakespeare, and Kafka.

*Meets Requirement for Global Scholars Program (GSP)*

## **GRAMMAR**

**Language, Usage & Grammar**      ENG2075      .5 Cr      Elective 10-12

This is an in-depth study of grammar mechanics and the history of the English language. The first half of the curriculum includes an in-depth study of English grammar and usage in order to improve correctness and style in writing and speech, as well as verbal scores on SATs and ACTs. The course also includes the study of various aspects of linguistics and the history and development of the English language. Vocabulary study may be included. Several papers may be required.

## **COMMUNICATION ARTS**

**Film Study**      ENG4015      .5 Cr      Elective 10-12

In this course students will expand their awareness of film as an art form. The activities include studying several short films, five or more feature length films, writing compositions of film analysis, reading a text, taking quizzes and exams, and completing a major semester project. The course will concentrate on American film history, techniques, structure, censorship, symbolism, racism, and sexism. The course is intended for students interested in serious film analysis.

*Meets Requirement for Global Scholars Program (GSP).*

**Mass Media**      ENG4025      .5 Cr      Elective 10-12

The goal of this course is to help students become responsible consumers of the mass media by critically examining television, radio, film, and advertising. Students will study the operation of these media, the effect the media has on them as consumers, and the effect consumers can, or should have, on the media. Papers on these topics are required. Students will also learn the basics of video production and editing through projects such as narratives, documentaries, public service announcements, and/or news stories. Guest speakers in local media industries are invited to the class.

**Public Speaking**

ENG6015

.5 Cr

Elective 10-12

This speech course will help students learn how to organize their thoughts and speak clearly in both informal and formal presentations. While some of the speeches are delivered in an impromptu or casual style, most are carefully researched and prepared. Students will have experience giving many different types of speeches to their classmates. The teacher will make careful critiques of the speeches and will hold conferences with students regarding the speeches performed during the semester. As a result of taking Public Speaking, students improve their articulation, poise, eye contact, gestures, and organization of ideas.

# ENGLISH AS A SECOND LANGUAGE (ESL) ENGLISH LANGUAGE LEARNERS (ELL)

The ESL/Bilingual Program offers non-remedial, sheltered courses in language arts, social studies, science, and math to English Language Learners on the basis of language proficiency. The English language proficiency levels are determined by the WIDA ACCESS Placement Test.

West High's ESL course descriptions indicate a range of language proficiency levels which correspond to the English proficiency required for understanding course content. The range may be used as a general guideline for student placement; however, the ACCESS assessment is not always an accurate reflection of an individual student's English language and academic skills. Teacher discretion should also be used for placement of students into appropriate courses.

The beginning classes are designed to assist students of limited or no English language proficiency with learning English, developing fundamental academic skills, and acclimating to West High and the American school system. Content focuses on the conversational English necessary for navigating school and the community as well as on developing academic language and the study skills necessary to succeed at West.

<b>Level 1</b>	<b>Entering:</b> No English	The student does not understand or speak English with the exception of a few isolated words or expressions
<b>Level 2</b>	<b>Beginning:</b>	The student understands and speaks conversational and some academic English with hesitancy and difficulty.
<b>Level 3</b>	<b>Developing / Intermediate:</b>	The student understands and speaks conversational and academic English with decreasing hesitancy and difficulty and is developing reading comprehension and writing skills in English. The student's English literacy skills allow the student to demonstrate academic knowledge in content areas with assistance.
<b>Level 4</b>	<b>Expanding / Advanced Intermediate:</b>	The student understands and speaks conversational English without apparent difficulty, understands and speaks academic English with some hesitancy, and requires assistance to fully demonstrate knowledge in the content area.
<b>Level 5</b>	<b>Bridging / Advanced:</b> mainstream with support	The student understands and speaks conversational and academic English well but may still need support to succeed in mainstream classes.
<b>Level 6</b>	<b>Exiting:</b> Mainstream - no support	The student no longer needs support in mainstream classes.

<b>ENGLISH AS A SECOND LANGUAGE / ENGLISH LANGUAGE LEARNERS</b>	<b>EPL* Level</b>	<b>Credit</b>	<b>Fee</b>	<b>Course Number</b>	<b>Grade Levels</b>			
					<b>09</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>LANGUAGE ARTS COURSES</b>								
English Fundamentals	1-2	1.0/yr		ENG1290				
Intermediate English	2-3	1.0/yr		ENG1300				
Advanced English	3(4)	1.0/yr		ENG1270				
<b>MATHEMATICS COURSES</b>								
Algebra I	1-3	1/0/yr		A-MAT1010				
Geometry	2-3	1/0/yr		A-MAT2010				
<b>SCIENCE COURSES</b>								
Science Fundamentals	1-2(3)	1.0/yr		A-SCI2060	x	x	x	x
Biology	3	1.0/yr		A-SCI1030	x	x	x	x
<b>SOCIAL STUDIES COURSES</b>								
Social Studies Fundamentals	1	1.0/yr		A-SOC1200	x	x	x	x
U.S. History	2-3	1.0/yr		A-SOC1010	x			
World History-Overview	2-3	1.0/yr		A-SOC2010		x	x	
Modern U. S. History	3	1.0/yr		A-SOC1040			x	x
<b>*EPL – English Proficiency Level.</b> ( ) indicates the potential for a selected number of students from indicated level.								

## LANGUAGE ARTS COURSES

### **English Fundamentals**

ENG1290

1.0 Cr

*Course recommended for EPL 1-2.* This year-long course, designed for newcomer English language learners in grades 9 - 12, is the equivalent of English 1. The curriculum focuses on English language acquisition in the four domains of reading, writing, listening, and speaking referencing the CCSS for English/Language Arts as well as WIDA's English Language Development Standards. Students use adapted and authentic texts including textbooks, leveled readers, informational, and literary texts to develop literacy and discussion skills in English. An emphasis on organizational and study skills necessary for success in American high schools is included. *Meets Requirement for Global Scholars Program (GSP).*

### **Intermediate English**

ENG1300

1.0 Cr

This year-long course, designed for intermediate English language learners in grades 9 - 12, is aligned to the scope and ELA standards of English 2. The curriculum focuses on English language acquisition in the four domains of reading, writing, listening, and speaking referencing the CCSS for English/Language Arts as well as WIDA's English Language Development Standards. Students use adapted and authentic texts including textbooks, leveled readers, informational, and literary texts to improve their ability to read, write, and think critically about the course's themes and topics. Students develop literacy and discussion skills while engaging in both collaborative work with their peers as well as independent work. Students create shorter and extended writing in the modes of narrative, informative/explanatory, and argumentative texts while leveraging technology, the research process, and the writing process to develop and publish writing. An emphasis on organizational and study skills necessary for success in American high schools is included. *Meets Requirement for Global Scholars Program (GSP).*

### **Advanced English**

ENG1270

1.0 Cr

This year-long course is designed for Advanced English learners in grades 9-12 with English language proficiency between 2.5-3.5 in the area of literacy, is aligned to the scope and ELA standards of English 3. The curriculum focuses on English language acquisition in the four domains of reading, writing, listening, and speaking referencing the CCSS for English/Language Arts as well as WIDA's English Language Development Standards. Students use adapted and authentic texts including textbooks, leveled readers, informational, and literary texts

to improve their ability to read, write, and think critically about the course's themes and topics. Students develop literacy and discussion skills while engaging in both collaborative work with their peers as well as independent work. Students create shorter and extended writing in the modes of narrative, informative/explanatory, and argumentative texts while leveraging technology, the research process, and the writing process to develop and publish writing. An emphasis on organizational and study skills necessary for success in American high schools is included.

*Meets Requirement for Global Scholars Program (GSP).*

## MATHEMATICS COURSES

### **Algebra 1**

A-MAT1010

1.0 Cr

*EPL Level 1-3.* Algebra 1 is a regular course in first-year Algebra. It covers the following topics: number systems and their properties, expressions and sentences, polynomials, rational expressions and sentences, graphing, systems of equations and inequalities, introductory statistics, radicals and exponents, linear and quadratic functions and relations. Emphasis is placed on practical applications of Algebra as well as computation. Graphing calculators will be used regularly. This course meets the graduation requirement for Algebra 1. Upon successful completion of this course, students will be eligible to take Geometry.

### **Geometry**

A-MAT2010

1.0 Cr

*EPL Level 2-3.* The objectives of Geometry are to develop an understanding of the properties and relationships of objects in two- and three-dimensional space. Emphasis is placed upon using and extending Algebraic techniques, modeling real-world applications, and developing the idea of proof in mathematics. Students need a scientific or graphing calculator.

## SCIENCE COURSES

### **Science Fundamentals**

A-SCI2060

1.0 Cr

*EPL level 1-2 (select 3).* Content focuses on developing English language acquisition through the context of Earth Science, Ecology, Astronomy, basic Biology, and environmental issues. Emphasis is placed on acquisition of scientific vocabulary and on cultivating a passion for scientific inquiry.

### **Biology**

A-SCI1030

1.0 Cr

*EPL level 3.* Biology is an activity-oriented course that involves English language learners in critical thinking and problem solving in science. Students construct knowledge within the context of Biology while they acquire English cognitive academic language. Some of the topics covered during the year include: Cellular Biology, Genetics, kingdoms, and animal structure and function with emphasis on humans.

## SOCIAL STUDIES COURSES

### **Social Studies Fundamentals**

A-SOC1200

1.0 Cr

*EPL Level 1.* Course content focuses on developing English language acquisition while learning Social Studies skills, geography, current events, and early American history from the age of exploration to the Civil War.

### **U. S. History**

A-SOC1010

1.0 Cr

Grade 9

*EPL Level 2-3.* This course examines the growth and conflict of the American republic from 1865 up to the eve of World War II. Students are expected to make several oral presentations, improve their critical thinking skills and their academic reading and writing. In order to facilitate connections between past and present issues and events, students will also read articles from *Junior Scholastic* and *UpFront* magazines. This course includes a civics component which will focus on the three branches of U.S. government, the different levels of government, and the Constitution.

**World History-Overview**

A-SOC2010

1.0 Cr

Grades 10, 11

*EPL Level 2-3.* This course provides students with an overview of World Geography as well as the diverse political, social, economic, and cultural themes from ancient civilizations through WWII. In addition, students make connections between the past and more contemporary (late 20th-early 21st century) world events and issues. Emphasis is placed on relating students' own cultural heritage to the topics of study. English language learning and academic skills will be integrated into course content.

**Modern U. S. History**

A-SOC1040

1.0 Cr

Grades 11, 12

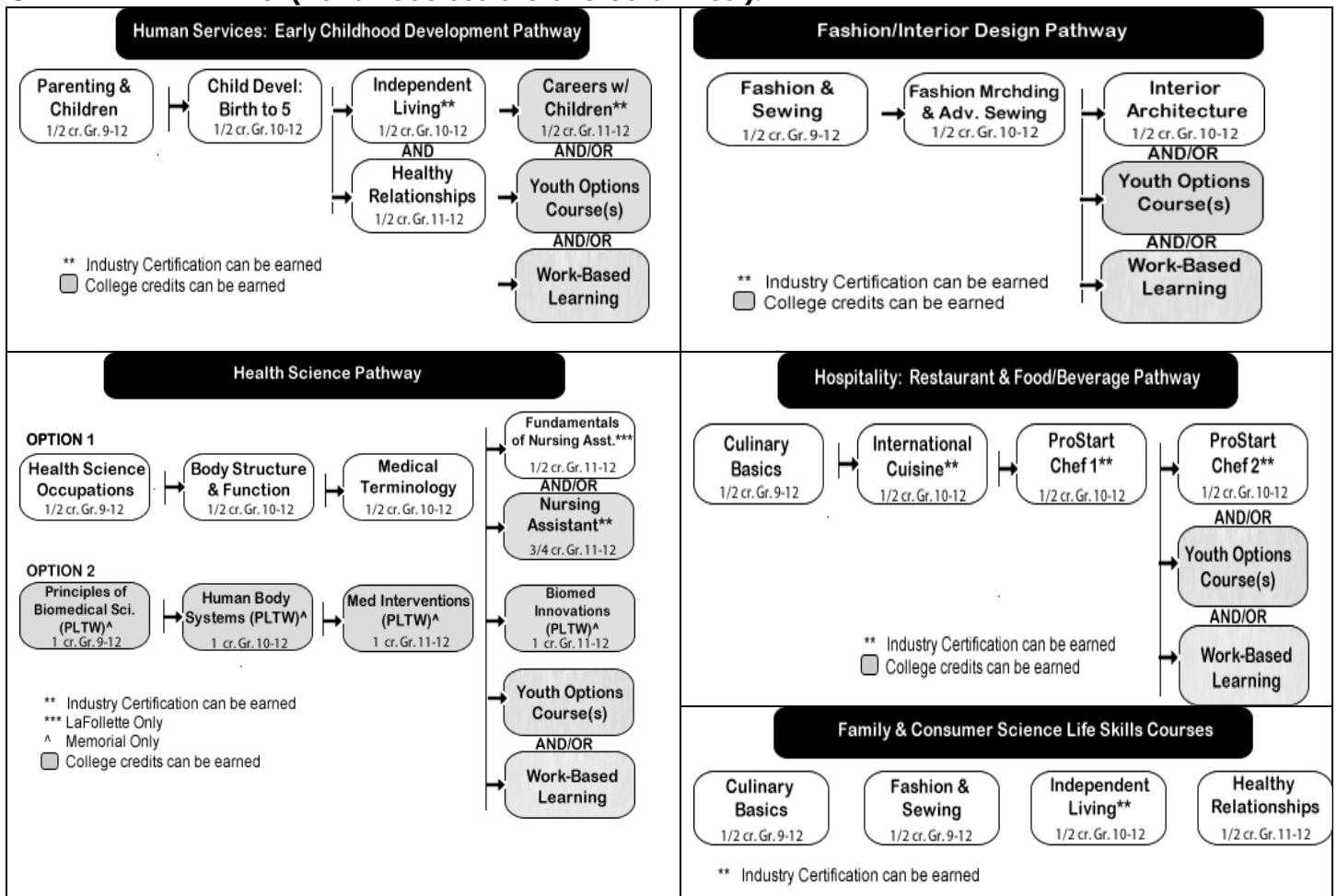
*EPL Level 3.* This course focuses on the experiences of all Americans at key points in U.S. History from World War II through the present. Discussions of domestic and foreign policy issues will take place which will lead students to reflect critically on these events. This course includes a civics component, which will focus on key Supreme Court cases, the Amendments, and current issues.



# FAMILY AND CONSUMER SCIENCES

FAMILY AND CONSUMER SCIENCES	Credit	Fee	Course Number	Grade Levels			
				09	10	11	12
Culinary Basics	.5/sem	\$30	FCS1015	x	x	x	x
International Cuisine	.5/sem	\$30	FCS1025		x	x	x
ProStart Chef 1	.5/sem	\$30	FCS1035		x	x	x
Independent Living	.5/sem		FCS2065		x	x	x
Fashion & Sewing	.5/sem	\$30	FCS3015	x	x	x	x
Health Science Exploration	.5/sem		FCS4015	x	x	x	x
Body Structure & Function	.5/sem	\$25	FCS4065	x	x	x	x
Medical Terminology for Dual Credit	.5/sem		FCS4035		x	x	x
Nursing Assistant (offered at Memorial High School)	1.0/sem		FCS4045			x	x
Career Internship	1.0/yr		CTE 9040				x

## CAREER PATHWAYS (not all courses are offered at West):



## CULINARY ARTS

ProStart is a nationwide, two-year program for high school students which develop the best and brightest talent into tomorrow's industry leaders. From culinary techniques to management skills, ProStart's industry-driven curriculum provides real-world educational opportunities and builds practical skills and a foundation that will last a lifetime.

By bringing industry and the classroom together, ProStart gives students a platform to discover new interests and talents and opens doors for fulfilling careers. It all happens through a curriculum that teaches all facets of the restaurant and foodservice industry, inspires students to succeed, and sets a high standard of excellence for students and the industry.

With national and local support from industry members, educators, the National Restaurant Association Educational Foundation and state restaurant associations, ProStart reaches 90,000 students nationwide.

Upon completion of ProStart certification requirements, the students may earn up to 13 credits at the University of Wisconsin-Stout. <http://goprostart.com>

<b><u>Culinary Basics</u></b>	FCS1015	.5 Cr	Elective 9-12	\$30
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This course is for students who want to learn food preparation techniques. Units of study include: nutrition, safety and sanitation, proper use of equipment, etiquette, and menu planning. Teamwork is emphasized so you will enjoy working in kitchen labs and will develop a love of fresh healthy food. This course may be repeated for credit.

<b><u>International Cuisine</u></b>	FCS1025	.5 Cr	Elective 10-12	\$30
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Successful students will have completed Culinary Basics with a "C" or better.

Explore the food and hospitality industries as you study like a chef. Learn proper and safe, advanced, gourmet cooking techniques. Units include: preparing healthy food in sanitary kitchen-labs; professionalism in food service; perfecting knife skills; plating; soup making; cooking with fruits, vegetables, potatoes and grains; practicing good restaurant-style food service while participating in catering projects. ProStart is an initiative of the National Restaurant Association that offers a variety of scholarships and entry into culinary competitions.

<b><u>ProStart Chef 1</u></b>	FCS1035	.5 Cr	Elective 10-12	\$30
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*This course builds on the skills learned in International Cuisine.* Explore the food and hospitality industries as you study like a chef. Learn proper and safe, advanced, gourmet cooking techniques. Units include: preparing healthy food in sanitary kitchen labs; professionalism in food service; perfecting knife skills; plating; soup making; cooking with fruits, vegetables, potatoes and grains; practicing good restaurant-style food service while participating in catering projects. ProStart is an initiative of the National Restaurant Association that offers a variety of scholarships and entry into culinary competitions.

## HUMAN SERVICES

<b><u>Independent Living</u></b>	FCS2065	.5 Cr	Elective 10-12	
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Prepare yourself for a life after high school. Personal growth, financial literacy, legal responsibilities, protective behaviors – many topics to make your transition to the real world easier. This course satisfies the district Financial Literacy graduation requirement for students graduating in 2021 and beyond.

## FASHION

<b><u>Fashion &amp; Sewing</u></b>	FCS3015	.5 Cr	Elective 9-12	\$30
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All students from any level of sewing ability will learn to use a sewing machine and pattern to plan and complete sewing projects. Fashion, sewing, and consumer skills are emphasized. A variety of career options in the clothing and fashion industries are explored. Each student will complete at least one machine-sewing

project using pattern and construction skills. Advanced students may work ahead on new skills independently. Units of study include: fabrics and their care, line and design, color, pattern selection, clothing construction, and careers.

## HEALTH SCIENCES

### **Health Science Exploration**

FCS4015

.5 Cr

Elective 9-12

Get a jump start on a career in the rapidly growing healthcare industry. Many describe this introductory course as a "make or break" in their decision to go into health care before investing in college tuition. Learn to use basic medical equipment while exploring the many career opportunities in health care. In this interdisciplinary course students will be introduced to medical terminology, health care delivery systems, legal and ethical healthcare issues, personal health financial literacy, and employability and job seeking skills. This course is a prerequisite for the Nursing Assistant certification course. Students interested in the healthcare field are invited to participate in Health Occupation Students of America (HOSA) Club which sponsors community service projects, and members are able to compete at the state and national events

### **Body Structure and Function**

FCS4065

.5 Cr

Elective 9-12

\$25

Designed to cover topics of body structure and function at an introductory level, this course prepares students for advanced study in Medical Terminology, Certified Nursing Assistant, and Physiology and Anatomy courses. Students use hands-on activities and anatomy in clay to understand and remember the body systems and how they are viewed and treated by medical personnel. Discussions center around prevention, pathology, diagnostics, therapies, emerging technology, and related careers.

### **Medical Terminology for Dual Credit\***

FCS4035

.5Cr

Elective 10-12

The class is an introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems. Students will gain knowledge of medical terminology, vocabulary and abbreviations used in health-related careers. Students will practice formation, analysis and deconstruction of medical terms. Interpretation of written material will be addressed. There is an emphasis on spelling, definition and pronunciation. Students interested in the healthcare field are invited to participate in Health Occupation Students of America (HOSA) Club which sponsors community service projects and competitions at state and national levels.

*\*This is a college level course taught at the high school. Transcribed credit (3 credits) through Madison College is available to 11<sup>th</sup> and 12<sup>th</sup> graders – **Apply during the first week of class.** Must pass with 74% or better to avoid "W" (Withdrawn) on transcript. Advanced standing (2 credits) available to 10<sup>th</sup> graders with a "B" or better, but will result in a "W" (withdrawn) on Madison College transcript. Not a transfer-credit course but is required at UW-Madison to enter the PA and PT graduate programs.*

### **Nursing Assistant** *(offered at Memorial HS)*

FCS4045

1.0 HS Cr/sem

Elective 11-12

3.0 College Cr/sem

*Career & Tech Ed Recommendations: Successful students will have completed Body Structure & Function with a "C" or better and/or have taken Medical Terminology prior to taking this course.*

This course is taught by a registered nurse from Madison College. Students seeking employment in any health care field will find this a valuable first step! Nursing Assistant is a prerequisite to all Wisconsin Technical College System nursing programs and some 4-year college admissions to nursing programs. Units of study and skills include: human development, infection control, patient transfer, body in health and disease, personal care and hygiene, nutrition, and special care. To meet certification requirements, students must pass both theory and clinical experiences in a local health care agency arranged by the teacher, maintain a grade of 75% or better, and meet attendance requirements. A successful background check, TB skin tests, and certification test fee are required, but may be covered in whole or in part by the district. Class meets for additional hours of lab and clinical time on weekends, mornings, evenings, and/or breaks.

## WORK-BASED LEARNING OPTION

### **Career Internship**

CTE9040

1.0 Cr

Elective 12

Get paid, receive credit and gain experience! Career Internship couples classroom learning with valuable, on-the-job work experience in a field related to the student's career interest. Build decision-making and leadership skills while applying classroom knowledge in a real and career-specific setting. Previous internship placements have included: Engineering, Construction, Culinary Arts, Medical, Dentistry, Information Technology, Accounting, Finance, Marketing, Interior Design, Journalism, and Criminal Justice/Law Enforcement to name just a few. Career Internship can be a great resume enhancer and conversation piece during your next job interview and/or scholarship application. At the time of course completion and on-the-job hours, students may be eligible to be awarded a State-Certified Employability Skills Certificate or other Skills Certificate.

### **Youth Apprenticeship: Health Services**

1.0 Cr

Elective 11-12

Youth Apprenticeships (YA) are opportunities for juniors or seniors to start preparing for a career while still in high school. One- and two-year programs combine rigorous academic preparation, relevant occupational instruction, and paid work-based learning from an employer. You will attend regular classes in your high school, in addition to technical-related classes at Madison College or some other central site. You will work an average of 12-15 hours per week. These hours may be obtained during the summer along with during the school year, and may or may not be during the school day. Students are responsible for transportation and other course supplies and materials. Current YA Programs offered include: Auto Technician, Biotechnology, Construction, Finance & Accounting, Health Services, Culinary/Hospitality/Tourism, Information Technology, Pharmacy Technician. *Junior or senior status. On track for high school graduation and completion of technical-related courses within the local high school.*

# MATHEMATICS and COMPUTER SCIENCE

MATHEMATICS & COMPUTER SCIENCE	Credit	Fee	Course Number	Grade Levels			
				09	10	11	12
<b>Math Courses:</b>							
Algebra 1 <i>(earned honors option available)</i>	1.0/yr		MAT1010	x	x		
Geometry <i>(earned honors option available)</i>	1.0/yr		MAT2010		x	x	x
Algebra 2/Trigonometry <i>(earned honors option available)</i>	1.0/yr		MAT3010		x	x	x
Math Reasoning <i>(dual-transcripted credit option)</i>	1.0/yr		MAT7090			x	x
Pre-Calculus	1.0/yr		MAT3060			x	x
Algebra 3	1.0/yr		MAT4010			x	x
Advanced Algebra <i>(dual-transcripted credit option)</i>	1.0/yr		MAT5010			x	x
AP Calculus AB	1.0/yr		MAT5020			x	x
AP Calculus BC	1.0/yr		MAT5030				x
AP Statistics	1.0/yr		MAT5040			x	x
<b>Computer Science Courses:</b>							
Introduction to Computer Programming	1.0/yr		CMP2010	x	x	x	x
AP Computer Science Principles <i>(math credit)</i>	1.0/yr		CMP4010	x	x	x	x
AP Computer Science A <i>(math credit)</i>	1.0/yr		CMP2020			x	x

## MATHEMATICS EDUCATION

**Algebra 1** *(earned honors option available)*      MAT1010      1.0 Cr      Grade 9

In this course, students will practice applying mathematical ways of thinking to real world issues and challenges. Topics include: systems of linear equations and inequalities; linear, exponential, and quadratic relationships, and introductory statistics. Students will be challenged to think and reason both critically and mathematically by exploring multiple methods to solve real world problems. This course emphasizes mathematical modeling to analyze situations, and understand them better in order to make decisions. This course is aligned to the Common Core State Standards (CCSS) and follows the Traditional Pathway, as outlined in Appendix A. The CCSS Mathematical Practice Standards are applied throughout this course.

**Geometry** *(earned honors option available)*      MAT2010      1.0 Cr      Grades 10-12

The purpose of this geometry course is to understand the attributes and relationships of geometric figures which can be applied in diverse contexts. Topics include, but are not limited to congruence, similarity, right triangle trigonometry, geometric properties of figures, modeling, probability, transformations and constructions. Geometry is devoted primarily to plane Euclidean geometry, studied with and without coordinate systems. This course is aligned to the Common Core State Standards (CCSS) and closely follows the Traditional Pathways, as outlined in Appendix A. The CCSS Mathematical Practice Standards are applied throughout this course.

**Math Reasoning** *(transcripted credit)*      MAT7090      1.0 Cr      Grades 11-12

Mathematical Reasoning uses a collaborative, activity-based approach to explore numerical relationships, graphs, proportional relationships, algebraic reasoning, and problem solving using linear, exponential and other mathematical models. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. This course is a dual credit opportunity and students earn high school credits and credit through Madison College. The course is recommended for any student entering a certificate, diploma, or Associate Degree program, as well as Arts & Humanities Bachelor's Degree (and transfer) programs.

**Algebra 2/Trigonometry** (*earned honors option available*) MAT3010 1.0 Cr Grades 10-12

Algebra 2-Trigonometry includes a third semester of Algebra and a course in Trigonometry. Skills and concepts developed in Algebra 1 and Geometry are reviewed and studied in greater depth and new topics are presented. This course is designed for the serious college-bound student. Following successful completion of Algebra 2-Trigonometry many students take Algebra 3.

**Pre-Calculus** MAT3060 1.0 Cr Elective 11-12

The concepts and skills from Algebra 1 through Algebra 2-Trig Honors are extended and reinforced. Some of the new topics introduced include: properties of polynomial functions, sequences and series, permutations and combinations, conic sections, polar coordinates, mathematical induction, and the binomial theorem. Students completing this course successfully are prepared for Calculus. *Successful completion of Algebra 2-Trig Honors recommended prior to taking Pre-Calculus.*

**Algebra 3** MAT4010 1.0 Cr Elective 11-12

This course is designed as an alternative to Pre-Calculus for students who want to take a fourth year of college-preparatory mathematics. Relations and functions, probability, and statistics will be covered. A graphing calculator will be used. This course is not recommended to use in place of Pre-Calculus to prepare for Calculus.

**Advanced Algebra** (*transcripted credit*) MAT5010 1 Cr & 3 MC Cr Elective 11-12

Advanced Algebra provides a thorough coverage of topics in an introductory college-level algebra course. The course focuses on skills and techniques used with linear, polynomial, exponential, logarithmic, radical, and rational relationships. In order to receive 3 free technical college credits from Madison College, students must earn a "C" or better on the cumulative final exam. Note: the credit at Madison College is non-degree bearing and non-transferrable.

**AP Calculus AB** MAT5020 1.0 Cr Elective 11-12

This course is the equivalent to a college-level, one-semester course in Calculus. College credit and/or advanced placement may be earned depending on the results of the AP Calculus test offered in May. Specific topics include: limits, derivatives, integrals, as well as applications of derivatives and integrals. *Successful completion of Pre-Calculus is recommended prior to taking Calculus AB.*

**AP Calculus BC** MAT5030 1.0 Cr Elective 12



This course is equivalent to a college-level, second-semester course in Calculus and Analytic Geometry. College credit and/or advanced placement may be earned depending on the results of the AP Calculus test offered in May. Specific topics include additional work on functions and graphs, limits and continuity, differential, and integral Calculus, and the addition of sequences and series, vectors, parametric, and polar functions. This course will prepare students for the BC Advanced Placement Calculus exam. *Successful completion of AP Calculus AB is recommended prior to taking Calculus BC.*

**AP Statistics** MAT5040 1.0 Cr Elective 11-12

This course will introduce the major concepts and tools for collecting, analyzing, and drawing conclusions from data. It is the equivalent to a one semester introductory college Statistics course and will follow the course outline provided by the College Board. College credit and/or advanced placement may be earned depending on the results of the AP Statistics test offered in May. *Successful completion of Algebra 2-Trig is recommended prior to taking AP Statistics*



## COMPUTER SCIENCE EDUCATION

<b>CAREER PATHWAYS:</b> Programming & Software Development Pathway				
Introduction to Programming (CMP2010)		AP Computer Science Principles (CMP4010)		AP Computer Science (CMP2020)

**Introduction to Computer Programming**      CMP2010      1.0 Cr      Elective 9-12

This is an introductory course in computer programming which offers an exposure to a variety of programming environments. Students will learn how to approach a program and will learn about the basic formats used in programming. Skills learned in this course will give students a strong background to enter additional programming courses. Units of study could include problem-solving, web design, introduction to programming, app inventor, data analysis, and robotics. Anyone with an interest in computer science is welcome.

**AP Computer Science Principles**      CMP4010      1.0 Cr      Elective 10-12

In this course students will see how the principles of computer science allow people to change the world. Students will be introduced to the big ideas of computer science: creativity, abstraction, data, algorithms, programming, internet, and impact. Students will learn to use languages such as Snap!, Javascript, and Python to make creative projects. College credit and/or advanced placement may be earned depending on the results of the AP test offered in May. This course will be transcribed as math credit.

**AP Computer Science A**      CMP2020      1.0 Cr      Elective 11-12

This course prepares students for careers in STEM (Science, Technology, Engineering and Math). The topics covered include algorithms, object-oriented programming, one- and two-dimensional arrays, and lists. Programming projects include: creating a chatbot, digitally modifying pictures, and making games. The course is taught in the Java programming language. College credit and/or advanced placement may be earned depending on the results of the AP test offered in May. This course will be transcribed as math credit. *Successful completion of Computer Science Principles or another AP math course is strongly recommended prior to taking AP Computer Science A.*

# PATHWAYS

PATHWAYS	Credit	Fee	Course Number	Grade Levels			
				09	10	11	12
West High School is not enrolling students in Personalized Pathways for the 2021-2022 school year. We'd be happy to assist students in the West attendance area to explore the opportunities available at East, La Follette and Memorial high schools, and we can help you through the Pathways enrollment process, if desired.							

# PERFORMING ARTS

<b>PERFORMING ARTS</b>	<b>Credit</b>	<b>Fee</b>	<b>Course Number</b>	<b>Grade Levels</b>			
				<b>09</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>MUSIC</b>							
Chorale	1.0/yr		MUS2010	x	x	x	x
Treble Chorus	1.0/yr		MUS2020		x	x	x
Popular Vocal Styles	1.0/yr		MUS2030		x	x	x
Concert Choir	1.0/yr		MUS2070		x	x	x
Concert Orchestra	1.0/yr		MUS3030	x			
Symphony Orchestra	1.0/yr		MUS3020		x	x	x
Philharmonic Orchestra	1.0/yr		MUS3040		x	x	x
Concert Band	1.0/yr		MUS5030	x			
Symphonic Band	1.0/yr		MUS1030		x	x	x
Honor Band	1.0/yr		MUS1060		x	x	x
History of American Popular Music	.5/sem		MUS4025	x	x	x	x
Guitar 1	.5/sem		MUS4045	x	x	x	x
Guitar 2	.5/sem		MUS4055		x	x	x
Hip-Hop Studies	.5/sem		MUS4075			x	x
AP Music Theory	1.0/yr		MUS4090			x	x
<b>THEATRE ARTS</b>							
Theatre Arts 1	.5/sem		THR7015	x	x	x	x
Theatre Arts 2	.5/sem		THR7025		x	x	x
Theatre Arts 3	.5/sem		THR7035				x
Technical Theatre	.5/sem		THR8025	x	x	x	x
<b>MULTICO</b>							
Multico	.5/sem		GEN7045				x

## **Chorale**

MUS2010

1.0 Cr

Elective 9-10

Students in this year-long course will study and perform music from a wide variety of cultures and time periods. Emphasis is placed on improving technical ability, tone production, music literacy, performance expectations, evaluation of musical performances, and interpersonal skills. Students are expected to be contributing members of their ensemble and attend performances/dress rehearsals outside the school day as part of the grade.

## **Treble Chorus**

MUS2020

1.0 Cr

Elective 10-12

Treble Chorus will study and perform a variety of music selected from a wide spectrum of cultures and genres. Emphasis is placed on improving technical ability, tone production, music reading skills, critical thinking, interpersonal skills, and evaluation of performances. Students in Treble Chorus will study music written for soprano and alto voices, and choirs are open to and respectful of all gender identities. Students are expected to be contributing members of their ensemble and participate in dress rehearsals and quarterly performances as a major part of their grade.

## **Popular Vocal Styles**

MUS2030

1.0 Cr

Elective 10-12

Students in this year-long course will study and perform music in styles such blues, jazz, musical theatre, gospel, folk, R&B, rock, and hip hop. Students will explore the evolution of popular music in solo, small-group, and large-group performance settings as well as lecture and listening. Emphasis is placed on basic vocal technique,

music theory, and music history. PVS studies repertoire for Soprano, Alto, and Baritone voices, and West choirs are open to and respectful of all gender identities. Students participate in one evening concert each quarter as a major part of their grade.

**Concert Choir**

MUS2070

1.0 Cr

Elective 10-12

Students in this year-long course will maximize their previous choral experience through the study and performance of music from a wide variety of cultures and time periods. Students will continue to improve their musicianship in terms of vocal technique, music theory, music history, rehearsal technique, and critical thinking. Concert Choir studies music written for Soprano, Alto, Tenor, and Bass voices, and West choirs are open to and respectful of all gender identities. Students in Concert Choir participate in one evening concert each quarter as a major part of their grade and numerous other performance opportunities as they arise throughout the year. Concert Choir is open to students by audition only.

**Concert Orchestra**

MUS3030

1.0 Cr

Elective 9

The Concert Orchestra is offered to provide freshmen string students extensive experience in string orchestra performance. As part of a structured and comprehensive four year curriculum, students receive training in specialized techniques in preparation for enrollment in upper level Orchestras. The Concert Orchestra presents three to four concerts per year. There are also opportunities that may include district music festivals and working with guest conductors/clinicians.

**Symphony Orchestra**

MUS3020

1.0 Cr

Elective 10-12

Symphony Orchestra is open to all students in grades 10-12 with previous string performance experience. Further development of technical and musical skills are pursued with more advanced string orchestra literature. Students receive additional training which may include specialized techniques, history, theory, technique, musicality, performance practices, and chamber music, placing an emphasis on the musical independence of each member of the ensemble.

**Philharmonic Orchestra**

MUS3040

1.0 Cr

Elective 10-12

Philharmonic Orchestra is a continuation-level course for students with an advanced level of musicianship and technique on a stringed instrument. Philharmonic Orchestra offers students a wide range of musical literature, chamber music, and knowledge of music history and theory. This course is open to students by audition only.

**Concert Band**

MUS5030

1.0 Cr

Elective 9

The music department offers Concert Band to entering 9th-grade woodwind, brass, and percussion students for the study and performance of quality wind ensemble music. Class activities emphasize the development of instrument technique, tone production, tuning, fundamentals of music theory, music reading, and listening skills. Concert Band is a preparatory class for Symphony Band and Wind Ensemble. *Concert Band may also be used by 10th, 11th, and 12th grade musicians as lab band for learning a secondary instrument.* Several evening concerts throughout the school year are a requirement of this course.

**Symphonic Band**

MUS1030

1.0 Cr

Elective 10-12

Students in Symphonic Band experience activities that emphasize the development and advancement of instrument technique, development of ensemble performance skills, tone production, tuning, fundamentals of music theory, music reading, and listening skills. The goal of the ensemble is the performance of the finest band repertoire at the highest levels of commitment, dedication, and musicianship.

**Honor Band**

MUS1060

1.0 Cr

Elective 10-12

Honor Band is an upper-level performance opportunity for accomplished wind and percussion players. Honor Band offers students great variety and challenge in musical performance, including experiences in chamber music, analysis, theory, and history. This course is open to students by audition only.

### **Jazz Ensemble**

Activity

Students should note that Jazz ensembles, Jazz West, Jazz Too, and smaller combos are offered to music students in the band or orchestra programs as non-credit extra curricular performance opportunities. Membership is by audition only with meeting times scheduled before school, lunch, afternoons, and evenings.

### **History of American Popular Music**

MUS4025

.5 Cr

Elective 9-12

This course explores the evolution of popular music styles from the 19<sup>th</sup> century to the present. Musical forms covered will include Ragtime, Blues, Tin Pan Alley, early Jazz, Swing, Country, Bluegrass, modern Jazz, Rhythm & Blues, Doo Wop, and all styles of Rock and Roll from the 1950s to punk, funk and hip-hop. Students will be introduced to these through reading, in-class demonstration, videos, and extensive listening.

### **Guitar 1**

MUS4045

.5 Cr

Elective 9-12

Guitar 1 is an introductory elective course designed to study basic, beginning guitar, and guitar styles. Class guitars are provided. Basic techniques include: correct instrument posture, aural skills, folk/pop/rock chord types (major, minor, and 7<sup>th</sup> chords) and standard strumming styles for accompaniment and blues patterns. In addition, students will learn how to read music notation and chord symbols. Advanced topics for individual exploration may include fingerpicking, elementary classical technique, barre shapes, advanced note reading (Jazz & Classical), and Rock & Blues improvisation.

### **Guitar 2**

MUS4055

.5 Cr

Elective 10-12

Guitar 2 offers advanced instruction and guided independent work in the various genres introduced in Guitar 1. The genres include Folk, Country, and Bluegrass, Blues and Rock, Jazz and Classical. Specific techniques include melodic flatpicking, advanced Travis-style fingerpicking, Blues and Rock solo improvisation and barre chord applications. The course will also cover the study and analysis of well-known pop guitar transcriptions using both notation and tablature and extensive note reading in both the Jazz and Classical idioms. *Recommended include successful completion of Guitar 1 and/or interview/audition with instructor.*

### **Hip Hop Studies**

MUS4075

.5 Cr

Elective 11-12

Hip-hop culture is the focus of this course, from its precursors in African-American music to its inception in the Bronx in the 1970s to the global force it has become today. Hip-hop education is rooted in identifying and building upon the intellectual abilities exemplified within Hip-Hop music and pedagogy. Students will study hip-hop history through lecture, reading, class discussion, in-class demonstrations, and extensive listening. Students will look critically upon the ability to perform this music through a combination of the four elements of hip hop culture: emcee techniques, beat production, dance and graffiti. One performance outside of school will also be expected as part of the course requirements.

### **AP Music Theory**

MUS4090

1.0 Cr

Elective 11-12

AP Music Theory is a year-long course offered to students with substantial musical backgrounds (either formal, notation-based training, or significant amounts of self-taught or "by ear" knowledge) who wish to become more familiar with musical structure, language, and notation; and/or to advance personal musicianship and prepare for college study or the AP Music Theory test. The course includes: introduction/review in the fundamentals and materials of music (notation, rhythm, melody, harmony, form, and texture); substantial amounts of ear training, arranging and composition; harmonic and formal analysis of both Classical and Pop/Jazz works; and ample opportunities for students to explore music of their own choosing.

The course includes: introduction/review in the fundamentals and materials of music (notation, rhythm, melody, harmony, form, and texture); substantial amounts of ear training, arranging and composition; harmonic and formal analysis of both Classical and Pop/Jazz works; and ample opportunities for students to explore music of their own choosing.

## THEATRE ARTS

### **Theatre 1**

THR7015

.5 Cr Elective 9-12

Theatre I offers an introduction to the various Theatre Arts with a focus on performance. Students use an experiential learning model to explore Improvisation, the process of working in groups, Oral Interpretation of Literature, Pantomime, Acting, and learning techniques for more theatre work. The culminating assessments for the various units are performance projects which allow the student a great deal of choice, flexibility, and autonomy. In addition, theater experiences, such as, the viewing of a professional theatre performance and/or participating in crew for a class performance are also included in this course.

### **Theatre Arts 2**

THR7025

.5 Cr

Elective 10-12

*This course builds on skills from Theatre Arts 1.* This is an advanced script analysis and acting class. It requires thirty pages of papers of a reflective nature, weekly journals plus a twenty-five page script analysis. In addition, students read five to seven plays and two textbooks on acting. Students perform two monologues and a scene with one or more partners. The class attends at least two plays outside of class. Students are also required to work a minimum of ten hours on various crews for main stage productions.

### **Theatre Arts 3**

THR7035

.5Cr

Elective 12

*This course builds on skills from Theatre Arts 2.* This course focuses on directing. Each student will direct a one-act play for Fine Arts Week in May. Students will work on script analysis, character development, and acting techniques and read articles written by the people who created those techniques. Auditions, casting, and rehearsal time will be required outside of class time.

<u>Student Performances</u> include: preparing and performing two contrasting monologues, a total of four minutes in length for use in university theatre auditions, and a 10-15 minute scene.	<u>Written Work</u> includes: written critiques of each class monologue and scene, a 10-page scene study and a 20-page prompt book.	<u>Readings</u> include: <i>The Great Acting Teachers and Their Methods</i> by Richard Brestoff, <i>On Acting</i> by Sanford Meisner, as well as a large number of one-act plays and 4-5 full-length plays that the class will study or see performed.	<u>Performances:</u> The class will attend three plays. Students will write a critique of each, concentrating on particular aspects of theatre.
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### **Technical Theatre**

THR8025

.5 Cr

Elective 9-12

An introductory course to the behind-the-scenes technical aspects of producing live theatre. Technical Theatre students will be introduced to each of the roles of a production team: producing, stage managing, marketing, set design, lighting design, sound design, costumes design, prop development, and hair and make-up artistry, as well as safety procedures of backstage work and equipment use. Requirements outside of class include: technical work on current play or musical, and attending school productions during the semester.

### **Multico**

GEN7045

1.0 Cr

Elective 12

MULTICO is a company of West High School students chosen by the instructor to reflect the diverse ethnic and racial population of Madison's schools. MULTICO writes and performs a series of short sketches that highlight race, gender, sexuality, and conflict. The group tours Elementary and Middle Schools with an original thirty-minute production focusing on the concerns and experiences of children and adolescents in a multicultural, multilingual urban environment. MULTICO is funded by West High's Regent Drama Club and Friends of West Drama, as well as the MMSD. MULTICO provides younger children with role models from their own and other racial and ethnic groups who are working together, creating together, having fun together, and performing. MULTICO meets the first two periods during the first semester only. *Application/selection process required for enrollment.*

# PHYSICAL EDUCATION

The Madison Board of Education Policy requires students to earn 1 1/2 credits of Physical Education and 1/2 credit of Health for graduation. A minimum of three semesters of daily Physical Education is required at three different grade levels (9, 10, 11 or 12). Students may elect to take more Physical Education classes in their sophomore, junior, and senior years. If for medical reasons a student is permanently excused from Physical Education, the credits may be made up in another subject area. Temporary medical excuses for a semester must be made up in a future Physical Education class. Health, as well as Physical Education classes, will receive a letter grade which will be included in the student's GPA. Students may take the Health class requirement in 10<sup>th</sup> - 12<sup>th</sup> grade, with 10<sup>th</sup> grade being the preferred grade level.

## Grade Point Average (GPA)

Physical Education letter grades (A,B,C,D,F) will automatically be included in the student's GPA. Through the third week of each semester, students and parents may sign a district statement eliminating their Physical Education grade from the semester GPA. Forms need to be turned in to Room 2011, the Highland SLC, **by the end of the third week of the semester.** The option **cannot** be reversed for the semester. Health class grades will continue to be included in the GPA as required by the district without option.

PHYSICAL EDUCATION	Credit	Fee	Course Number	Grade Levels			
				09	10	11	12
PE1: Foundations of Physical Activity	.5/sem		PHY1015	x			
Zero-Hour PE1: Foundations of Physical Activity (before school)	.5/sem		PHYZ1015	x			
Health Education	.5/sem		PHY1035		x		
Zero-Hour Health Education (before school)	.5/sem		PHYZ1035		x		
Health Education (online)	.5/sem		V-PHY1030		x		
Team Sports 1	.5/sem		PHY3015		x	x	x
Team Sports 2	.5/sem		PHY3025		x	x	x
Weight Training 1	.5/sem		PHY4015		x	x	x
Weight Training 2	.5/sem		PHY4025			x	x
Personal Fitness	.5/sem		PHY4035		x	x	x
Fitness Lifestyle Design (online)	.5/sem		V-PHY4040		x	x	x
Challenges and Adventures	.5/sem	\$40	PHY5015			x	x
Challenges and Adventures 2	.5/sem	\$60	PHY5075			x	x
Lifetime Sports and Activities	.5/sem		PHY5045		x	x	x
Peer Partner Lifetime Sports and Activities	.5/sem		PHY7085		x	x	x
Social Dance	.5/sem		PHY6015		x	x	x
Dance 1	.5/sem		PHY6025		x	x	x
Dance 2	.5/sem		PHY6035			x	x
Lifeguard Training/Pro CPR	.5/sem	\$135	PHY7025		x	x	x
Physical Education Replacement Credit (PERC)	0		PHY7070		x	x	x



<b><u>PE1: Foundations of Physical Activity</u></b>	PHY1015	.5 Cr	Required 9
<b><u>Zero-Hour PE1: Found. of Physical Activity</u></b> (before school)	PHYZ1015	.5 Cr	Required 9

Foundations of Physical Activity is a course that provides opportunities for students to experience a wide variety of physical activities to promote lifelong health and wellness. Through this semester-long course, students will strive to refine various motor skills and movement patterns, increase understanding of activity strategies and concepts, and enhance physical fitness knowledge and performance. Participation in fitness and lifetime activities throughout the course will help students develop skills in teamwork, sportsmanship, and communication. This course aims to support students in developing an intrinsic connection to the importance of lifelong physical activity. The zero-hour class will meet before the main school day begins (approx. 7:10 am). **Zero-hour can NOT be taken as an additional credit above the 7 credit maximum. Students must select a resource/study hall during their day if they enroll in this class.**

<b><u>Health Education</u></b>	PHY1035	.5 Cr	Required 10
<b><u>Zero-Hour Health Education (before school)</u></b>	PHYZ1035	.5 Cr	Required 10

Health Education is a course designed to provide skills-based learning experiences that support students in becoming health literate individuals. The course will focus on analyzing internal and external influences, accessing health resources, communicating effectively with others, making healthy decisions, setting personal goals, practicing healthy behaviors, and advocating for personal and community health. Critical content will include personal health and wellness, healthy eating, mental and emotional health, alcohol and other drugs, and human sexuality. The 0-hour class satisfies the district Health class requirement. It will meet before the main school day begins (approx. 7:10 am). **Zero-hour can NOT be taken as an additional credit above the 7 credit maximum. Students must select a resource/study hall during their day if they enroll in this class.**

<b><u>Health Education (online)</u></b>	V-PHY1030	.5 Cr	Required 10
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This online course is recommended for 10th graders to satisfy the 0.5 credit graduation requirement for Health Education. This course is designed to provide opportunities to practice the necessary skills to become health literate individuals through application of knowledge, developing attitudes and skills to make positive decisions, and taking action to promote and protect one's health and the health of others. This course will be taught by a Health Education teacher within the student's school building to support learning. The course will be completed through online modules, which can be completed at any time in one's daily schedule. Students may also have the potential to meet face-to-face with classmates and the teacher during the semester (TBD by school). The recommended time spent in the course is 5-10 hours per week. This is not a Madison Virtual Campus course. **Space in the course may be limited. This online course can NOT be taken as an additional credit above the 7 credit maximum. Students must select a resource/study hall during their day if they enroll in this class.**

<b><u>Team Sports 1</u></b>	PHY3015	.5 Cr	Elective 10-12
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This is an introductory course to team sports. The emphasis will be on rules related to the sport, skill development, and team involvement. Students will participate through the use of drills, demonstrations, and game contests. Units include: football, ultimate frisbee, soccer, rugby, softball, basketball, floor hockey, lacrosse, team handball, and volleyball. Other wellness activities will also be explored.

**Team Sports 2**

PHY3025

.5 Cr

Elective 10-12

This class is designed for students who desire to compete at an intense, high skill level and have performed at a high level in previous physical education classes. Emphasis is on team play and competition. Students will participate in games, league play, and tournaments within the class. Units include: football, ultimate frisbee, soccer, rugby, softball, basketball, floor hockey, Lacrosse, team handball and volleyball. Other wellness activities will also be explored.

**Weight Training 1**

PHY4015

.5 Cr

Elective 10-12

This is an introductory course to basic strength training and conditioning techniques. Students will engage with free weights as well as universal weight training machines. Emphasis will be on proper technique and developing lifelong fitness habits. The activities of the class will include: dynamic stretching, flexibility, agility, running the mile, sprinting, circuit training, and fitness testing.

**Weight Training 2**

PHY4025

.5 Cr

Elective 11-12

Students selecting this class must have had a basic strength training experience. This course offers those students an opportunity to build off what they learned in basic weight training as well as learn new exercises for improving strength. Students will be required to document the weight they are using on various lifts as a means to measure gains made. Students are also going to be tested periodically in the lifts to demonstrate improvement. Students will be guided through program design and will be able to create their own workout. Other wellness activities will also be explored. This class builds on the skills from Weight Training 1.

**Personal Fitness**

PHY4035

.5 Cr

Elective 10-12

This course focuses on functional fitness. Students in this class will learn multiple techniques for maintaining and improving on core strength, flexibility, balance, and aerobic endurance. Some of the activities included in this class (but not limited to) are: yoga, circuit training, stability ball training, medicine ball training, and resistance training. Personal Fitness is a great class for students interested in fitness training as a means of improving wellness as well as athletes looking to improve performance.

**Fitness Lifestyle Design (online)**

V-PHY4040

.5 Cr

Elective 10-12

This online course is recommended for 10th through 12th graders to satisfy 0.5 Physical Education credits of the total 1.5 credits required for graduation. The course is designed to provide students with opportunities to deepen their physical literacy by applying knowledge and skills of various fitness and activity concepts and principles. Students will have opportunities to self-reflect and set goals to take steps to maintain an active and healthy lifestyle. There will be a regular amount of physical activity required to fulfill the course expectations, typically to be tracked/completed on a weekly basis. This course will be taught by a Physical Education teacher within the student's school building to support learning. The course will be completed through online modules, which can be completed at any time in one's daily schedule. Students may also have the potential to meet face-to-face with classmates and the teacher during the semester. The recommended time spent in the course is 5-10 hours per week. If you have taken a Madison Virtual Campus Phy Ed class before, you may not be eligible for this class.

**Space in the course may be limited. This online course can NOT be taken as an additional credit above the 7 credit maximum. Students must select a resource/study hall during their day if they enroll in this class.**

**Challenges and Adventures**

PHY5015

.5 Cr

Elective 11-12

\$40

Students in this class will learn the value of cooperation and risk taking by working through individual and group challenges. Students will engage in games/activities that build trust and teach problem solving skills. These skills and challenges will be put to the test on the climbing elements in the Stevens Gym ropes course. Students will have an opportunity to climb the various elements as well as learn how to belay other climbers. Be ready to try new activities and to have fun. Other wellness activities will also be explored. This course fee covers field trips and transportation.

<b><u>Challenges and Adventures 2</u></b>	PHY5075	.5 Cr	Elective 11-12	\$60
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Want to learn even more about outdoor living and survival skills, build another wonderful community in the classroom, and go on adventurous and educational field trips? This class will continue to focus on community building, trust, initiatives, challenges, and belay skills. In addition, the students will practice their leadership skills, learn facilitation skills while working with other youth in the district, and understand the theory of experiential education. *The course fee covers field trips and transportation.*

<b><u>Lifetime Sports and Activities</u></b>	PHY5045	.5 Cr	Elective 10-12	
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This course will explore various activities with an emphasis on lifetime skills and increased overall wellness. Students will improve wellness through fitness activities and games. Units include softball, tennis, badminton, ultimate frisbee, volleyball, and floor hockey. Students who enjoy activity as a means of maintaining and improving overall wellness should consider this class.

<b><u>Peer Partners Lifetime Sports and Activities</u></b>	PHY7085	.5 Cr	Elective 10-12	
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This course is specifically designed to meet the needs of students who need moderate-intensity physical activity to promote their general fitness and social skill development. Emphasis is placed on social interaction; the ability of each student to become involved with his/her community/vocational opportunities. Able-bodied students will increase participation of students with disabilities by modeling positive behavior, offering appropriate encouragement and providing one-on-one attention for skill development activities, increasing the knowledge base of able-bodied students in accord with students with significant cognitive and/or physical disabilities in a fun, active manner. The individualized or small group instructional format emphasizes change in student health habits through a variety of fun, supportive group activities. Use of individualized and team lifetime recreational games promotes improvement in the student's general muscle strength, muscle endurance, joint flexibility, and aerobic fitness.

<b><u>Social Dance</u></b>	PHY6015	.5 Cr	Elective 10-12	
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Did you know that elective PE Ballroom dance sections are the fastest growing courses on college campuses? It's a great place to meet new people and learn the basics for a lifetime of confidence on the dance floor. This course is designed to provide the beginning social dance student with skills in numerous varieties of social dance. These dance varieties include: fox trot, waltz, swing, cha-cha, tango, rumba, and Latin dances. Other wellness activities will be explored.

<b><u>Dance 1</u></b>	PHY6025	.5 Cr	Elective 10-12	
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Focus will be on gaining a broad view of dance as a creative art form. Activities vary and include: warm-up exercises based on modern dance, ballet and jazz techniques, dance patterns and combinations, movement improvisation, and choreographing compositions (both alone and in groups). Other wellness activities will be explored. Performing on stage, keeping a journal, consistent attendance, and participation in class are all required.

<b><u>Dance 2</u></b>	PHY6035	.5 Cr	Elective 11-12	
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This course builds on the skills from Dance 1. Focus will be on improving dance technique based on modern, ballet, and jazz foundations, improvisation, and composition. Other wellness activities will be explored. Choreographing, writing a paper on dance, attending a professional dance concert, consistent attendance, participation in class, and performing the choreography project for Fine Arts Week are required.

<b><u>Lifeguard Training/Pro CPR</u></b>	PHY7025	.5 Cr	Elective 10-12	\$135
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Students must be 15 years of age by the end of the semester, possess high-intermediate swimming skills, and be able to swim 300 yards without stopping use front crawl and breaststroke, swim 20 yards and surface dive to a depth of 7-10 feet, retrieve a 10 pound object and swim back 20 yards, and tread water for 2 minutes without using arms. Non-proficient swimmers will be removed from class. The course gives you cognitive and practical experience in the areas of lifeguard training, First Aid, and CPR/AED. Students will learn basic first aid skills, adult,

child, and infant rescue breathing, choking procedures, CPR, AED usage, water rescue skills for conscious and unconscious victims, and spinal injury management.

One quarter is spent in the West pool. The other quarter will be in the classroom learning First Aid and CPR/AED. Students can earn certification in Lifeguarding, First Aid, and CPR/AED for the Professional Rescuer after successfully completing final skill scenarios and written tests from the American Red Cross. After successful completion of the class, students will be ready to lifeguard at a public or private pool. Course fee covers cost of required American Red Cross materials (book, resuscitation mask, certification fees), maintenance of equipment, and field trip to an aquatics facility.

### **Physical Education Replacement Credit PERC)**

PHY7070

0 Cr

Elective 10-12

#### **Overview:**

PERC allows a student to reduce the required 1.5 Physical Education graduation credit to 1.0 by completing the following:

- Three athletic seasons (in good standing) throughout their high school years AND
- Successful completion of an additional English, mathematics, health, social studies or science (*above and beyond the minimum graduation requirements*)

Once all of the above requirements are met a student may apply for a Physical Education Replacement Credit (PERC). Instructions are below.

This practice is guided by MMSD Board of [Education Policy #3540](#) (*updated Summer 2020*). Per this policy (#9):

*“ A student who participates in a Board recognized athletic activities (See [MMSD Athletic Code for a complete list](#), pg 15) may, upon application and approval, be permitted to complete an additional one-half credit (0.5) in English, social studies, mathematics, **health** or science in lieu of one half credit (0.5) of physical education. In order to be eligible for a credit substitution a STUDENT must:*

- a. have prior approval from the PRINCIPAL or his/her designee; (This is completed through required online eligibility registration for all athletics)*
- b. participate in a recognized athletic activity for **three seasons**.*
- c. be an athlete in good standing during the entire season, including regular attendance at all practices and competitions;*

*If a request to substitute credit for physical education is denied, a written appeal may be submitted to the SUPERINTENDENT or his/her designee within 10 calendar days of the denial. The SUPERINTENDENT or his/her designee shall issue a written decision within 5 business days. The SUPERINTENDENT’S or his/her designee’s decision is final.”*

# READING

Reading	Credit	Fee	Course Number	Grade Levels			
				09	10	11	12
Language! (enrollment by screening)	1.0/hr		RDG1160	x	x	x	x
Reading Rewards (enrollment by screening)	1.0/yr		RDG1270	x	x	x	x
Rewards Writing (enrollment by screening)	1.0/yr		RDG1280	x	x	x	x

## **Language!**

RDG1160

1.0 Cr

Elective 9-12

Language! Is a comprehensive literacy curriculum that provides effective, explicit, sequential, linguistically logical, and systematic instruction for struggling readers, writers, speakers, and spellers. Language! focuses on acquiring knowledge of academic language and the structure and function of the English language. Students will be enrolled in this course based on their reading scores.

## **Reading Rewards**

RDG1270

1.0 Cr

Elective 9-12

Reading Rewards is a research-based literacy intervention. It teaches strategies for decoding multi-syllabi words frequently found in content-area texts. The lessons increase oral and silent reading rates (fluency), expand student's knowledge of general academic and domain-specific vocabulary, and build students' confidence in their reading ability. This class is appropriate for students who have a Scholastic Reading inventory (SRI) score of 500 Lexile or above and/or have completed two years of Read 180.

## **Rewards Writing**

RDG1280

1.0 Cr

Elective 9-12

Rewards Writing is a combination of the Reading Rewards program, and direct support with written expression. It teaches strategies for decoding multi-syllabi words frequently found in content area texts. The lessons increase oral and silent reading rates (fluency), expand student's knowledge of general academic and domain specific vocabulary, increase knowledge regarding the appropriate use of grammar in academic writing, and increase daily sustained reading at students' levels to build confidence.

# SCIENCE

The credits of science required for graduation are to include instruction in both biological and physical sciences. Three science credits are required for graduation. Four credits of science are typical for entering students for many colleges.

Typical course selections are given in the table below. The bottom selections in each year are for those interested in pursuing a college degree related to the sciences (e.g. health/medicine, environment/ecology, agriculture/food, biotechnology, engineering, geology, meteorology, oceanography, chemistry, physics, astronomy and pharmacy). Many students take two (or more) science classes in their junior and senior years.

Grade 9	Grade 10	Grade 11	Grade 12
Biology <b>OR</b> Biology Honors	Chemistry <b>OR</b> Earth Science	Earth Science <b>OR</b> General Physics	General Physics <b>OR</b> Earth Science
	Chemistry Honors	Biology 2 <b>&amp;/OR</b> Biotechnology	Biology 2 <b>&amp;/OR</b> Biotechnology
		AP Environmental Science	AP Environmental Science
		Math Physics	Anatomy & Physiology <b>&amp;/OR</b> AP Chemistry <b>&amp;/OR</b> AP Physics 2

SCIENCE	Credit	Fee	Course Number	Grade Levels			
				09	10	11	12
Biology (Earned Honors Option Available)	1.0/yr		SCI1020	x			
Biology Honors	1.0/yr		SCI1030	x			
Biology 2 (Sem 1)	.5/sem		SCI1053		x	x	x
Biology 2 (Sem 2)	.5/sem		SCI1054		x	x	x
Anatomy & Physiology	1.0/yr		SCI1060			x	x
Biotechnology	.5/sem		SCI1115			x	x
AP Biology	1.0/yr		SCI1090			x	x
Earth Science 1 (Sem 1)	.5/sem		SCI4023		x	x	x
Earth Science 1 (Sem 2)	.5/sem		SCI4024		x	x	x
Chemistry	1.0/yr		SCI3030		x		
Chemistry Honors	1.0/yr		SCI3040		x		
AP Chemistry	1.0/yr		SCI3060			x	x
General Physics	1.0/yr		SCI2030			x	x
Math Physics	1.0/yr		SCI2040			x	x
AP Physics 2	1.0/yr		SCI20020			x	x
AP Environmental Science	1.0/yr		SCI4010			x	x

## **Biology** (Earned Honors option)

SCI1020

1.0 Cr

Required 9

Biology is a lab-oriented course for students to develop their skills and understandings of science as described by the Next Generation Science Standards. Students will develop their science skills by asking questions, modeling natural phenomena, planning and conducting investigations, analyzing data, and constructing and presenting evidence-based arguments through actively investigating the major themes of biology including: Ecology and Ecosystems, Evolution, Cells to Organisms, and the Process of Carbon Cycling.

**Biology Honors**

SCI1030

1.0 Cr

Elective 9 only

Biology Honors parallels the core curriculum with greater rigor in skills and content. A course that receives an honors designation has expectations for students that are measurably broader, deeper, and/or more complex in comparison to its standard course.

**Biology 2**

SCI1053 and/or SCI1054

.5 Cr each

Elective 10-12

Students may enroll in either semester for 1/2 credit or, preferably, both semesters for a full credit. Designed for motivated students interested in a career in science, this course emphasizes analytical and integrative thinking skills. Students are expected to use a foundation of biological and chemical principles to critically analyze data while they examine a variety of topics at a variety of levels in order to reveal principles common to all living systems. Laboratory experimentation is integrated with discussion of issues and concepts. Some first semester topics include: experimental design, pharmacology, Ethno-botany, hormone function, feedback loops, metabolism and aging. Second-semester topics include: a study of the human brain involving clinical disorders, cellular circuitry, and the action of drugs on nerve cell function. The "nature vs. nurture" debate is examined from a biological perspective focusing on intelligence, brain development, and the causes of some personality traits. Modern evolution, plant and animal co-evolution, and the evolution of intelligence are also covered.

**Anatomy & Physiology**

SCI1060

1.0 Cr

Elective 11-12

Anatomy and Physiology is an elective course that provides students an opportunity for deeper learning in concepts of human anatomy and physiology. Using a body systems approach, the course emphasizes the interrelationships between structure and function at the large scale and microscopic levels of organization of the entire human body. This is a lab-oriented course for students to develop their skills in conducting investigations and using models to explain processes and relationships in body systems. Human anatomy will be studied by dissecting a cat to illustrate the various organ systems in humans. This course is recommended for any student interested in further study of biological sciences, especially those students interested in health science fields.

**Biotechnology**

SCI1115

.5 Cr

Elective 11-12

Successful students will have completed Biology, Chemistry, English 2 and Algebra 1 with grades of C or better. Mastery of the skills taught in Chemistry and Biology are essential for success in Biotechnology. Skills in reading closely and following instructions carefully are necessary for this class. Biotechnology is a semester course designed for students interested in molecular biology with applications in food, agriculture and medicine. This course emphasizes laboratory techniques of DNA science, microbiology, fermentation and plant tissue culture. The course will prepare students for entry-level employment and/or post-secondary education in the field of biotechnology or a related science field.

**AP Biology**

SCI1090

1.0 Cr

Elective 11-12

AP Biology is a college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes - energy and communication, genetics, information transfer, ecology, and interactions. The course prepares students for the Advanced Placement biology exam, possibly resulting in science credit at many colleges/universities. More information is available online from the College Board website.



<b>Earth Science 1</b>	SCI4023 and/or SCI4024	.5 Cr each	Elective 10-12
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<b><u>Earth Science 1</u></b>	<b>SCI4023 and/or SCI4024</b>	<b>.5 Cr each</b>	<b>Elective 10-12</b>
<p>Students may enroll in either semester for 1/2 credit or, preferably, both semesters for a full credit. Earth Science satisfies the science requirement for any course of study including college preparatory. It may be taken concurrently with Chemistry, Physics, or advanced science courses. The use and practice of good study skills and organizational skills is also a goal of this course. A wide-ranging inventory of laboratory work is also provided. This course seeks to develop an understanding of Earth's interior and surface composition and processes as well as its position and significance in the universe. The first semester surveys topics of Cartography (maps), the water cycle, Meteorology (weather), Climatology (climate), Oceanography, and Astronomy (with an emphasis on our solar system). The second semester surveys topics of: Environmental issues (e.g. acid rain, the Greenhouse Effect, Global Climate Change, ozone depletion, alternative energies and petroleum); Geology, Mineralogy, plate tectonics, volcanism, earthquakes, tsunamis, erosion, Soil Science, and the Rock Cycle. This course introduces the student to career opportunities in the fields of: Meteorology, Geology, Geophysics, Oceanography, Physical Geography, Hydrology, Agronomy, Cartography, Astronomy, and Conservation.</p>			

<b>Chemistry</b>	SCI3030	1.0 Cr	Elective 10
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Chemistry is a lab-oriented course in which students will develop their critical thinking and problem solving skills through the exploration of matter, energy, and chemical change. Frequently working together, students will make predictions, conduct investigations, and use models to explain observations and the surrounding world. Throughout the course, students will also focus on the analysis of data, both descriptive and mathematical. Completion of this course will prepare students for advanced science courses, including Advanced Placement (AP) Chemistry.

<b>Chemistry Honors</b>	SCI3040	1 Cr	Elective 10
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Chemistry Honors parallels the core chemistry curriculum with greater rigor in skills and content. A course that receives an honors designation has expectations for students that are measurably broader, deeper, and/or more complex in comparison to its standard course.

<b>AP Chemistry</b>	SCI3060	1 Cr	Elective 11-12
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This year-long, lab-based course is designed as a second-year Chemistry course to build on a student's existing chemistry knowledge and prepare them for the Advanced Placement Chemistry exam. The course requires students to be highly skilled in problem-solving regarding many chemistry topics such as atomic structure, bonding, chemical reactions and stoichiometry. This is a rigorous, fast-paced, college-level course. Students should have very strong analytical, mathematical and critical thinking skills and should be able to learn both independently and cooperatively. Major topics include atomic structure, chemical reactions, bonding, chemical kinetics, chemical equilibrium, thermodynamics, and electrochemistry.

<b><u>General Physics</u></b>	SCI2030	1.0 Cr	Elective 11-12
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This course is designed for students interested in learning physics but who intend to pursue a career or college major not closely tied to science. The course emphasizes student-centered development of conceptual models. Topics include: motion, Newton's laws, gravity, momentum, energy, and additional topics as time allows. Considerable effort is made to relate Physics theory to naturally occurring events and everyday experiences. Labs, problem solving, demonstrations, and student presentations are used to help students develop thinking skills. The course covers the same topics as Math Physics but not as deeply. Students should have skills in algebraic fluency such as solving and graphing linear equations, use of trigonometric relationships, scientific notation and orders of magnitude, and logico-deductive reasoning.

<b>Math Physics</b>	SCI2040	1.0 Cr	Elective 11-12
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Selective 10 (by teacher recommendation only)

Students considering a career or college major in physics, mathematics, chemistry, engineering, or other science related fields should select this course. Topics will include: motion, Newton's laws, gravity, momentum,

energy, electricity, and light. Additional topics may be added as time allows. Considerable effort is made to relate physics theory to naturally occurring events and to applications in all science-related careers. Labs, problem solving, demonstrations, and student presentations are used to help students develop thinking skills. Textbooks are used as little as possible. Computers play an important role in lab work and are sometimes used to simulate situations that cannot be readily done in the lab. . Students should have *skills in algebraic fluency such as solving and graphing linear equations, use of trigonometric relationships, scientific notation and orders of magnitude, and logico-deductive reasoning.*

### **AP Physics 2**

SCI20020

1 Cr

Elective 11-12

This lab-based course is designed as a continuation of the Math Physics course for motivated students with a high ability in science. Students will be prepared to take the Advanced Placement Physics 2 exam for college credit and/or college placement (credit awarded depends on exam score and college). Topics include: rotational motion, sound, light, geometrical optics, relativity, astrophysics, electrostatics, circuits, magnetism, fluid dynamics, thermal physics, and basic quantum physics. The emphasis of the course will be exploring physical phenomena through hands-on activities during which students prepare and perform experiments, explain the results with mathematical models, and participate in high-level discussion about the implications. *Successful students have a deep understanding of linear kinematics and dynamics, Newton's Laws, and mechanical energy; lab techniques such as planning and executing a unique lab procedure, and model writing from data.*

### **AP Environmental Science**

SCI4010

1.0 Cr

Elective 11-12

This course will explore the interactions between humans and the environment. The course includes the study of scientific principles and methodologies required to understand the natural world and to identify and analyze environmental problems, both natural and human-made. The course will combine scientific principles and analysis along with sociological and political perspectives related to environmental issues. Students will be prepared to take the Advanced Placement Environmental Science exam for college credit and/or college placement (credit awarded depends on exam score and college). Students should have already successfully completed Biology and Chemistry.

# SOCIAL STUDIES

Three credits of social studies are required for graduation from West High School. In grades 9 and 10 a survey class in U.S. History (9) and World History (10) is required. In Grade 11 choose one semester of African-American Experience or Modern U.S. History (required), and one semester of area studies OR choose AP U.S. History (SOC1060 – 2 semesters). Grade 12 courses are all elective.

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
US History ( <i>earned honors option</i> )	World History ( <i>earned honors option</i> )	<b>US History Requirement (Choose 1)</b>		<b>Electives</b>	
		<input type="checkbox"/> African-American History <input type="checkbox"/> Modern US History		<input type="checkbox"/> Cont World Issues <input type="checkbox"/> Gender Studies <input type="checkbox"/> AP Gov't & Politics <input type="checkbox"/> AP US History <input type="checkbox"/> WI First Nations	<input type="checkbox"/> Philosophy <input type="checkbox"/> Psychology <input type="checkbox"/> Social Issues <input type="checkbox"/> Economics
US History Honors	AP European History	<b>OR</b>	<input type="checkbox"/> AP US History*		
		<b>Area Studies (Choose 1)*</b>		<b>Area Studies (preference given to juniors)</b>	
		<input type="checkbox"/> Africa <input type="checkbox"/> China / E Asia)	<input type="checkbox"/> Latin America <input type="checkbox"/> Middle East		
		*If taking AP US History, Area Studies not required, but recommended.			
		<b>Electives</b>		<input type="checkbox"/> Africa <input type="checkbox"/> China / E Asia)	<input type="checkbox"/> Latin America <input type="checkbox"/> Middle East
		<input type="checkbox"/> Cont. World Issues <input type="checkbox"/> AP Gov't & Politics <input type="checkbox"/> WI First Nations	<input type="checkbox"/> Economics <input type="checkbox"/> Social Issues		

SOCIAL STUDIES	Credit	Fee	Course Number	Grade Levels			
				09	10	11	12
U.S. History ( <i>Earned Honors Option Available</i> )	1.0/yr		SOC1010	x			
U.S. History Honors	1.0/yr		SOC1030	x			
World History ( <i>Earned Honors Option Available</i> )	1.0/yr		SOC2010		x		
AP European History	1.0/yr		SOC2090		x		
Modern U.S. History-African American History	.5/sem		SOC1075			x	
Modern U.S. History	.5/sem		SOC1045			x	
AP U.S. History	1.0/yr		SOC1060			x	x
Area Studies-Africa	.5/sem		SOC6015			x	
Area Studies-Latin America	.5/sem		SOC6025			x	
Area Studies-Middle East	.5/sem		SOC6035			x	
Area Studies-China/East Asia	.5/sem		SOC6045			x	
Wisconsin First Nations	.5/sem		SOC2125			x	x
Economics	.5/sem		SOC3015			x	x
AP U.S. Government and Politics	1.0/yr		SOC5040			x	x
Contemporary World Issues	.5/sem		SOC6065			x	x
Social Issues	.5/sem		SOC4015			x	x
Philosophy	.5/sem		SOC4115				x
Psychology	.5/sem		SOC4025				x
U.S. Gender Studies	.5/sem		SOC4085				x

<b>DUAL LANGUAGE IMMERSION (DLI) COURSES</b>							
US History in Spanish	1.0/yr		SOC6070	x			
World History in Spanish	1/0yr		SOC6080		x		
Ethnic Studies – Spanish DLI	.5/sem		SOC6095			x	
Latin American Studies – Spanish DLI	.5/sem		SOC7015				x

### **U.S. History**

SOC1010

1.0 Cr

Required 9

*(Earned Honors option available)*

US History is a comprehensive course that provides students with a survey of the history of the United States, examining time periods from Reconstruction through the World War II era. Students will explore the following questions: What influences policy? How does change happen? How is power gained and maintained? How do race, class, and gender shape the American experience? And, what is my role in society? Within each unit, students will build their historical thinking, reading, and writing skills.

*Meets Requirement for Global Scholars Program (GSP).*

**Earned Honors:** *Students in U.S. History have the option of taking the class for honors credit. Earned Honors is designed for highly motivated students who have advanced reading comprehension, advanced essay-writing abilities, and sophisticated analytical reasoning skills. Students choosing this option will use extensive primary source readings and will produce more extensive written work that emphasizes critical reasoning.*

### **U.S. History Honors**

SOC1030

1.0 Cr

Grade 9

U.S. History parallels the core curriculum with greater rigor. A course that receives an honors designation has expectations for students that are measurably broader, deeper, and/or more complex in comparison to its standard course.

*Meets Requirement for Global Scholars Program (GSP).*

### **World History**

SOC2010

1.0 Cr

Required 10

*(Earned Honors option available)*

In this survey of world history, students will study civilizations and societies all around the world, from the ancient to the very recent past. The first semester will move from the Fertile Crescent to classical Greece and Rome, India, China, Africa, the Americas, and medieval Europe. The second semester will see the world grow more tightly interconnected by exploration and technology, examine religious upheavals and revolutionary ideas, and study how colonization and conquest lead to the world-changing conflicts of the early 20th century.

**Earned Honors:** *Students in World History will be able to earn Honors credit for the class by maintaining an overall grade of C or better, and earning an A average on several Honors Assessment projects over the course of each semester. Earning an A on Honors assessments will require students to demonstrate exceptional research and writing skills, creativity, and critical thinking.*

### **AP European History**

SOC2090

1.0 Cr

Required 10

AP European History surveys the political, economic, intellectual, social, and cultural history of Europe from 1450 to the present. It is a rigorous and fast-paced course that emphasizes sophisticated analytical and evaluative historical thinking. This yearlong course uses a college-level text and is designed for students who are highly motivated and who have strong independent reading, essay writing, and critical thinking skills. Students should expect an hour or more homework nightly.

<b><u>Grade 11 Recent U.S. History/Area Studies</u></b>		.5 Cr each	Required 11
Choose <b><u>one</u></b> : Modern U.S. History-African American Experience (SOC1075) OR Modern U.S. History (SOC1045) <b><u>AND one</u></b> of the area studies (SOC6015, SOC6025, SOC6035 or SOC6045) <b><u>OR</u></b> choose AP U.S. History (SOC1060 – 2 semesters). An Area Study is highly recommended.			
C H O O S	<b><u>Modern U.S. History-African Amer History</u></b>	SOC1075	.5 Cr This course parallels Modern U.S. History and focuses on how African Americans viewed and engaged with key points and events from World War II through the present. Analysis and ongoing discussions of foreign and domestic issues will lead students to reflect critically on African American struggles within, and contributions to, the society we live in today.
E O N E	<b><u>Modern U.S. History</u></b>	SOC1045	.5 Cr Modern U.S. History is a thematic course that surveys the political, social, and economic history of the United States from the post-WWII era to the present day. Students will explore the following themes: the impact of competing ideologies in the post-WWII era, the politics of power and its effects on society, and the challenges in the transition from the Superpower era to a globalized world. Within each unit, students will build their historical thinking, reading, writing, speaking and listening skills.
O R	<b><u>AP U.S. History</u></b>	SOC1060	1.0 Cr Grades 11-12 AP U.S. History surveys the political, economic, intellectual, social, and cultural history of the United States from the colonial period to the present. It is a rigorous and fast-paced course that emphasizes sophisticated analytical and evaluative historical thinking. This yearlong course uses a college-level text and is designed for students who are highly motivated and who have strong independent reading, essay-writing, and critical thinking skills. Students should expect about an hour of homework nightly.
<b><u>Area StudiesGrade 11</u></b> (one semester)		.5 Cr	Required 11
Select one of the following area studies courses. Area studies deal with the history and development of major societies of the nonWestern world. The history of the regions or nations is covered from earliest times through the arrival and colonization by Europeans to present day events including politics, industrialism, and foreign affairs.			
C H O O S	<b><u>Area Studies-Africa</u></b>	SOC6015	.5 Cr The continent of Africa and its countries are studied in depth as the basic part of the semester's work. Major topics include: prehistory, early traditional societies, African kingdoms, the slave trade, European colonialism, and African nations since independence.
E O N E	<b><u>Area Studies-Latin America</u></b>	SOC6025	.5 Cr Pre-Columbian Indian societies, the period of Spanish conquest and rule, the struggle for independence, and the current efforts to modernize and stabilize the wide variety of Latin American and Caribbean nations will be studied.
	<b><u>Area Studies-Middle East</u></b>	SOC6035	.5 Cr Daily events in the Middle East support the conventional wisdom that religion and politics, tradition and modernism, and oil and water don't mix. Traditional Arab culture, the historical development of Islam, Judaism and Christianity, the impact of western industrial powers, and U.S. involvement will be studied as a backdrop to current issues.
	<b><u>Area Studies-China/East Asia</u></b>	SOC6045	.5 Cr Learn about the world's oldest living civilization in the context of its neighbors. You'll study Chinese culture and history from its earliest beginnings to today's "New China" and its role in the world today and tomorrow.

### **Grade 11 & 12 Electives**

These are not required social studies courses for 11<sup>th</sup> and 12<sup>th</sup> graders. Each of the following electives is a one-semester course. Priority is given to seniors.

#### **Wisconsin First Nations**

SOC2125

.5 Cr

Elective 11-12

This course examines the historical, cultural, political, and economic impact of American Indian Nations within both the State of Wisconsin and of the continental United States. This course begins with the intellectual, political, and ethical impact of the Iroquois Confederacy on the formation of the political institutions that eventually becomes the federal government of the United States. The course highlights how the interaction between specific American Indian Nations and that of the federal government shaped policies indicative of tribal sovereignty. Contrary to tribal sovereignty, the United States expands coming in direct conflict with American Indian Nations' ethics, cultures, spirituality, and economies. Focus will be on the eleven sovereign nations within the political boundaries of the State of Wisconsin. Analysis will include specific treaties between the individual nations and that of the federal government along with the historical context, environmental issues at the time of the treaty and up to current issues regarding the ethical use of land and resources. Pedagogical and curricular components of this course will utilize elders in residence (Ho Chunk, Oneida, and Ojibwe elders in person or via conference technology), along with experiential visits to First Nations within the State of Wisconsin.

#### **Economics**

SOC3015

.5 Cr

Elective 11-12

Economics rules our lives. In this class you will learn the principles and models of micro, macro, and global economics that shape the world. You will use economic models to analyze issues such as business ethics, international trade, drug policy, taxes, unemployment, economic downturns, and environmental policy. The course includes a wide variety of simulations. This class is designed to prepare students to do well in college-level economics courses and satisfies the financial literacy requirement.

#### **AP U.S. Government and Politics**

SOC5040

1.0 Cr

Elective 11-12

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a required political science research or applied civics projects. All U.W. System campuses grant credit for a passing grade on the AP exam. More information is available at: <http://apcentral.collegeboard.com/apc/public/courses/descriptions/index.html>.

#### **Contemporary World Issues**

SOC6065

.5 Cr

Elective 11-12

Speed and change are crashing into the 21<sup>st</sup>-century with resulting problems you better be able to navigate! This course will explore global issues, and emphasize finding solutions for stability, justice, sustainability, and well being. Develop your modern world perspectives with topics such as international relations, culture, globalization, energy, climate change, organized crime, war, human rights, drugs, and wealth. Students decide topics for the second half of the course.

*Meets Requirement for Global Scholars Program (GSP).*

#### **Social Issues**

SOC4015

.5 Cr

Elective 11-12

The course will examine a variety of contemporary social issues chosen by the students. Topics selected in the past include: affirmative action, abortion, same-sex marriage, drug legalization, capital punishment, church and state, global warming, and euthanasia.

## **Grade 12 Electives Only**

These are not required social studies courses for 12<sup>th</sup> graders. Each of the following electives is a one-semester course.

### **Philosophy**

SOC4115

.5 Cr

Elective 12

The course examines the central ethical, metaphysical, and epistemological questions from the western tradition. We will study both classic and contemporary philosophers from Socrates to Sartre.

*Meets Requirement for Global Scholars Program*

### **Psychology**

SOC4025

.5 Cr

Elective 12

Explore your behavior and thinking. Topics include the science of psychology, emotion, motivation, the brain, consciousness, perception, personality, social psychology, and disorders. As Dickinson wrote, "The brain is wider than the sky." Studying psychology should widen yours as you better understand yourself and others.

### **U. S. Gender Studies**

SOC4085

.5 Cr

Elective 12

This course will examine women's lives in history and in contemporary society. We will explore the evolution of women's roles, the diversity of their experiences, and the gender dynamics in areas such as: work, politics, health, and popular culture.

## **DUAL LANGUAGE IMMERSION (DLI) COURSES**

### **US History in Spanish**

SOC 6070

1.0 Cr

Grade 9

The course emphasizes active and critical exploration of history covering the period from the Civil War through WWII. Analysis of primary sources will introduce students to the voices of people who make history. Through classroom discussion, experiential activities and individualized research, students explore patterns of change, the continuity of ideas and defining turning points in US History. Students use the central concepts of capitalism, democracy, equality and justice as a backdrop in their investigation of the following topics: the rise of industrialization, organized labor's response, the immigrant experience, the struggle for racial equality, and the emergence of the U.S. as a world power following the Great Depression and the two world wars. An additional focus of this course is to improve students' writing, reading and discussion skills in Spanish and in alignment with the Common Core State Standards. ***This course is conducted almost exclusively in Spanish. This course is designed for students enrolled in the district's Dual Language Immersion programs. Other interested students should consult with a guidance counselor prior to registering for this course.***

### **World History in Spanish**

SOC 6080

1.0 Cr

Grade 10

*Recommendation: Participation in DLI program or meets minimum Spanish proficiency level for course.*

This course is taught in Spanish and is designed for bilingual learners. The course challenges students to explore the historical events, geographical forces of change, intellectual revolutions and cultural traditions that shaped the modern world. As students examine the changing political, social and economic institutions in Asia, Africa, Europe and the Americas over time, they will discuss international issues and explore solutions to world problems. While developing an understanding and appreciation for the world's diversity, students will become critical thinkers by developing inquiry and discussion skills. This course is designed for students enrolled in the district's dual language immersion and developmental bilingual programs. Other interested students should consult with a guidance counselor prior to registering for this course.



**Ethnic Studies – Spanish DLI**

SOC6095

.5 Cr

Grade 11

*Recommendation: Participation in DLI program or meets minimum Spanish proficiency level for course.*

This course examines ethnicity and identity in modern-day America, exploring topics of power, prejudice, intersectionality, and organizing for positive change. Students will explore these issues from a historical perspective (how have historical ideas about ethnicity and difference shaped our identities?), a sociological perspective (how do our differences and similarities shape how we act and interact?), a civic perspective (how does identity connect to a sense of belonging and access to power?), and a cultural perspective (how do we express our identities through art?). Students will engage in a variety of research methods, including interviews, close reading of challenging texts, field observations, and art analysis. Students will produce a variety of texts including an ethnographic study, a formal research paper, and an oral history podcast presentation. This course is offered in English for 11th grade students and in Spanish as part of the Dual Language Immersion Social Studies track (recommended for DLI 11th graders).

**Latin American Studies – Spanish DLI**

SOC 7015

.5 Cr

Grade 12

This course is designed for students enrolled in the district's dual language immersion and developmental bilingual programs. Other interested students should consult with a guidance counselor prior to registering. The course covers pre-Columbian Indigenous societies, the period of Spanish conquest and rule, the struggle for independence, and the current efforts to modernize and stabilize the wide variety of Latin American nations. The course will be taught entirely in Spanish and will include primary source and current event analysis, formal research and academic writing, guest speakers, and in-class discussion.

# SPECIAL EDUCATION

The West High Special Education program provides a range of services for students who have been identified through the IEP team evaluation process. Most special education students are enrolled in regular education classes. The special education staff supports various regular education classes. These courses are for students who are able to manage themselves successfully in a mainstream environment and can be successful with limited accommodations. Enrollment in these classes is limited and consent of the case manager is required. The selection of supported classes varies each year but usually includes the following:

--Algebra --Geometry --Math Reasoning	--English 1 --English 2 --Film Study --Rising Up --Mass Media	--US History --World History --Modern US History-African American Experience --Area Studies-Africa	--Biology --Chemistry --Earth Science
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Some IEPs indicate a need for self-contained instruction for various reasons. To meet those needs West offers the following classes. Enrollment in these courses requires the recommendation of the case manager based on Section G of the student's IEP.

<b>SPECIAL EDUCATION</b>	<b>Credit</b>	<b>Fee</b>	<b>Course Number</b>	<b>Grade Levels</b>			
				<b>09</b>	<b>10</b>	<b>11</b>	<b>12</b>
Reading Fundamentals	1.0/yr		A-RDG1250	x	x	x	x
Composition	.5/sem		A-ENG2225		x	x	x
Math Fundamentals	1.0/yr		A-MAT1210	x	x	x	x
Math 1	1.0/yr		A-MAT1220	x	x	x	x
Math 2	1.0/yr		A-MAT1230	x	x	x	x
Consumer Math	1.0/yr		A-MAT1250			x	x
Exploring Algebra	1.0/yr		A-MAT1260	x	x	x	x
Guided Study	.25/sem .25/sem		A-GEN4233 A-GEN4234	x	x	x	x
Academic Skills	1.0/yr		A-GEN4200	x	x	x	x
Independent Living Skills	1.0/yr		A-GEN2210	x	x	x	x
Daily Living Skills	1.0/yr		A-GEN2200	x	x	x	x
Vocational Skills	.5/sem		A-GEN3215	x	x	x	x
Competitive Employment Skills	.5/sem		A-GEN3245	x	x		
Supported Employment Skills	.5/sem		A-GEN3235	x	x	x	x

## **Reading Fundamentals**

A-RDG1250

1.0 Cr

Grades 9-12

Reading Fundamentals is a literacy class designed to increase basic reading and writing skills. Students focus on increasing their list of recognized sight words, decoding skills, recalling information from text, improving handwriting legibility, and word choice.

## **Composition**

A-ENG2225

.5 Cr

Grades 10-12

This course emphasizes the improvement of writing skills to facilitate success in mainstream classes and in communicating through writing, post-high school, by increasing vocabulary, improving editing skills, and improving paragraph/essay writings skills through the use of proper mechanics and grammar.

<b><u>Math Fundamentals</u></b>	A-MAT1210	1.0 Cr	Grades 9-12
Math Foundations is for students who need to acquire basic number concepts and skills. Students will focus on developmentally appropriate skills which may include counting, cardinality, number sense, and base-ten operations. Students will reason using colors and shapes and develop understanding of time, calendar, and money. They will also work on pragmatic vocational skills such as use of an assignment notebook, turn taking, personal introductions and classroom behavior.			
<b><u>Math 1</u></b>	A-MAT1220	1.0 Cr	Grade 9-12
Math 1 is for students who need to solidify their understanding and fluency with the four basic operations: addition, subtraction, multiplication and division. The curriculum addresses understanding or base-ten notation (place value for whole numbers to one thousand), multiplication and division (to 100) and solidify a foundational understanding of fractions. Students will use standard units of measure in practical applications like time and temperature and explore multiple representations of multiplication including the structure of rectangular arrays and areas and analyzing two-dimensional shapes. Incoming students should be able to add two digit-numbers without regrouping and skip count by 2's, 5's and 10's.			
<b><u>Math 2</u></b>	A-MAT1230	1.0 Cr	Grades 9-12
Math 2 focuses on development of rational number skills including understanding calculations with fractions, decimals, percent', and integers and extends into the concept of ratio and rates, and place value to one million. Students will analyze geometric properties such as angle measurement, two-dimensional area and transformation and explore probability. Incoming students should have an understanding of the four whole number operations and an introductory understanding of what fractions are.			
<b><u>Consumer Math</u></b>	A-MAT1250	1.0 Cr	Grades 11-12
This course may be taken two years in a row. The curriculum combines practical applications of number sense, fractions, ratios, decimals and percent with everyday life contexts. Topics may include managing credit, banking, comparison shopping, budgeting, taxes, buying a car, and renting an apartment while using decimals, ratios, percent's and comparing the relative size of numbers. Successful completion of the course will help prepare students for mathematics at technical school or at work and for living independently. Incoming students should be able to compare and order decimals.			
<b><u>Exploring Algebra</u></b>	A-MAT1260	1.0 Cr	Grades 9-11
Students will explore integer operations, number system properties, conversions between decimal-fraction-percent, order of operations (PEMDAS/GEMA), exponents, equations and expressions, organizing and interpreting data (statistics, measures of central tendencies), and coordinate planes. Incoming students should be able to do whole number operations and understand decimal-fraction equivalency.			

### **Other classes offered in the Special Education Department**

<b><u>Guided Study</u></b>	A-GEN4233/4234	.25 Cr	Grades 9-12
Guided Study is designed to provide an environment that promotes learning, helping students with organization of materials, assignment notebook monitoring, material review, assignment completion, planning timelines for assignment completion, test studying/taking strategies, and test accommodations.			
<b><u>Academic Skills</u></b>	A-GEN4200	1.0 Cr	Grade 9-12+
Academic Skills is designed to provide small group/independent instruction in order to meet the specific functional skill outlined in the IEP. These students are generally preparing for community-based programming for adult daily living.			
<b><u>Independent Living Skills</u></b>	A-GEN2210	1.0 Cr	Grade 9-12+

<b><u>Daily Living Skills</u></b>	A-GEN2200	1.0 Cr	Grade 9-12
Students will be in a community setting. Community Academic Skills will address the academic instructional requirements articulated in the IEP in an alternative academic setting or through independent study with a focus on graduation requirements.			

## Grade 9-12

Grade 12+

Grade 9-10

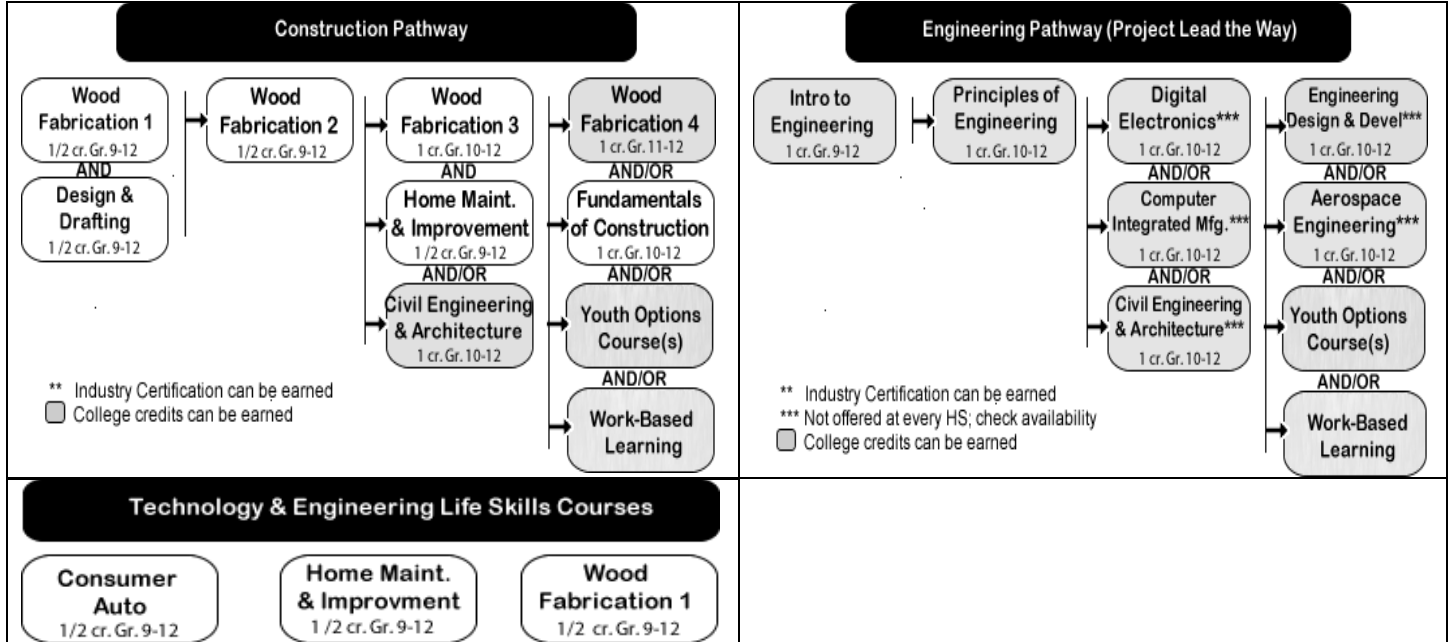
Grade 12+

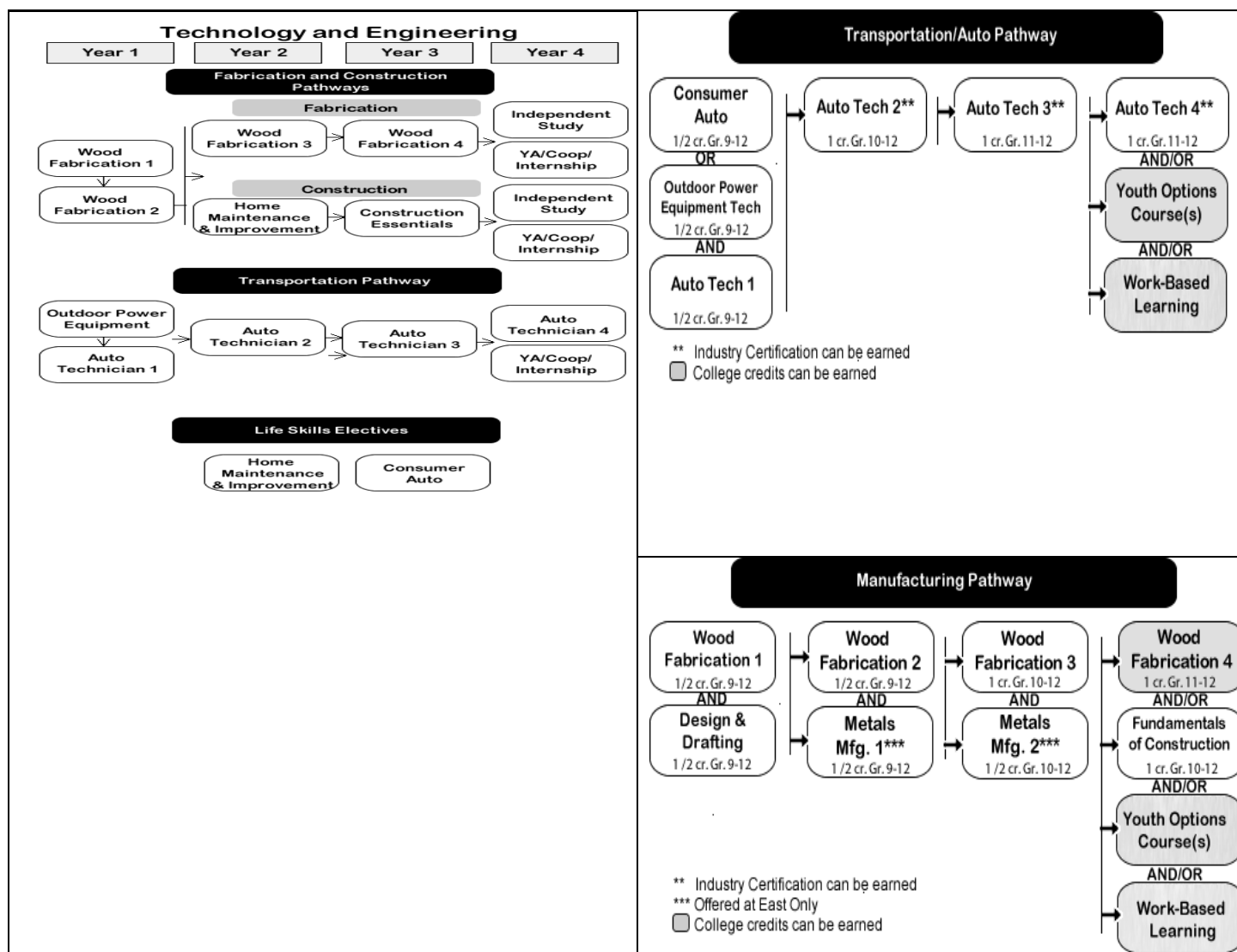
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# TECHNOLOGY AND ENGINEERING EDUCATION

TECHNOLOGY AND ENGINEERING	Credit	Fee	Course Number	Grade Levels			
				09	10	11	12
Introduction to Engineering (PLTW)	1.0/yr	\$30	TEC1010	x	x	x	x
Principles of Engineering (PLTW)	1.0/yr	\$30	TEC1020		x	x	x
Engineering Design and Development (PLTW)	1.0/yr	\$30	TEC1070			x	x
Consumer Auto	.5/sem	\$20	TEC2015	x	x	x	x
Home Maintenance & Improvement	.5/sem	\$30	TEC3025	x	x	x	x
Wood Fabrication 1	.5/sem	\$20	TEC3015	x	x	x	x
Wood Fabrication 2	.5/sem	\$30	TEC3045	x	x	x	x
Wood Fabrication 3	1.0/yr	\$40	TEC3050		x	x	x
Wood Fabrication 4	1.0/yr	\$40	TEC3060			x	x
Design and Drafting	.5/sem	\$30	TEC4015	x	x	x	x
Career Internship	1.0/yr		CTE 9040				x

**CAREER PATHWAYS** (not all courses are offered at West, please see your counselor if you are interested in taking a course not listed):





## PROJECT LEAD THE WAY PRINCIPLES OF ENGINEERING & MATERIALS SCIENCE

**Introduction to Engineering (PLTW)**      TEC1010      1.0 Cr      Elective 9-12      \$30

This course introduces students to the design process and the tools used in product development. Students will experience first-hand the activities in which engineers engage throughout the design cycle. Development of design briefs, sketching, 3D solid modeling, and prototyping through computer-aided drafting are part of the course. Students will have the opportunity to learn ways in which design techniques apply to many fields, such as healthcare, business, art and animation, manufacturing, engineering, etc. Problem-solving and math as it applies to producing products and services for today's society are emphasized. *[Dual/transcripted credit is offered by Milwaukee School of Engineering (MSOE) with transfer possibilities to other colleges and universities.]*

**Principles of Engineering (PLTW)**      TEC1020      1.0 Cr      Elective 10-12      \$30

This course builds on the skills from Introduction to Engineering (PLTW). Students will experience engineering and design technology and use various technological systems and manufacturing processes that demonstrate ways in which engineers and technicians use math, science, and technology to benefit people. This course will

be a mix of hands-on and academic activities including computer-aided design projects, research activities, case studies, team product development, and discussions on the social and political consequences of technological change. *[Dual/transcripted credit is offered by Milwaukee School of Engineering (MSOE) with transfer possibilities to other colleges and universities.] This course will be transcripted as science credit.*

**Engineering Design & Development (PLTW)**      TEC1070      1.0 Cr      Elective 11-12      \$30

*Engineering Design & Development* is the capstone research and development course for all of the engineering courses. *Engineering Design & Development* is an engineering research course in which students work in teams to research, design, and construct a solution to an open-ended engineering problem. Students apply principles developed in the preceding engineering course(s) and are guided by the teacher and community mentors/professional engineers. At the end of the course, students must submit a final written report and defend their solutions to a panel of outside reviewers. *[Dual/transcripted credit is offered by Milwaukee School of Engineering (MSOE) with transfer possibilities to other colleges and universities.]*

**Youth Apprenticeship: Engineering**      1.0 Cr      Elective 11-12

*Recommended: On track for high school graduation and completion of engineering related courses within the student's local high school.* The Engineering Youth Apprenticeship (YA) is a rigorous two-year elective program for high school juniors and seniors that combines academic and technical classroom instruction with mentored on-the-job learning. Students take Project Lead The Way courses in their high school and continue on to employment and Madison College courses. Please see your counselor and your Technology & Engineering teacher if you are interested in this program. Students are responsible for transportation and other course supplies and materials. **Students must apply by March.**

## TRANSPORTATION

**Consumer Auto**      TEC2015      .5 Cr      Elective 9-12      \$20

This course is designed for the students who would like to own and maintain a personal vehicle. This course covers basic car care, under-hood inspection (fluids, belts, hoses), removing and replacing items (wiper blades, bulbs, fuses), cooling system maintenance, battery/charging system diagnosis, lubrication system maintenance, fire information, brake inspection, minor ignition system maintenance (spark plugs, wires, firing order), car buying, car insurance, and service information.

**Youth Apprenticeship: Automotive Technician**      1.0 Cr      Elective 11-12

*Recommended: Junior or senior status. On track for high school graduation and completion of technical-related courses within the local high school*

Youth Apprenticeship (YA) are opportunities for juniors or seniors to start preparing for a career while still in high school. One- and two-year programs combine rigorous academic preparation, relevant occupational instruction, and paid work-based learning from an employer. You will attend regular classes in your high school, in addition to technical-related classes at Madison College or some other central site. You will work an average of 12-15 hours per week. These hours may be obtained during the summer along with during the school year, and may or may not be during the school day. Students are responsible for transportation and other course supplies and materials. Current YA programs offered include: Auto Technician, Biotechnology, Construction, Finance & Accounting, Health Services, Culinary/Hospitality/Tourism, Information Technology, and Pharmacy Technician.

## WOODS AND CONSTRUCTION

**Home Maintenance & Improvement**      TEC3025      .5 Cr      Elective 9-12      \$30

This course covers the fundamental systems that comprise a residential dwelling including electrical, plumbing, framing, etc. Students will learn practical maintenance and home improvement skills that apply to both future homeowners and those interested in the skilled trades.

<b><u>Wood Fabrication 1</u></b>	TEC3015	.5 Cr	Elective 9-12	\$20
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This foundational course puts students in the driver's seat of their fabrication and/or construction pathway. Applying safety, measurement, hand and power tools, students will produce a variety of projects using wood. From material preparation to the final product, students will use basic production processes, working drawings and a plan of procedure to complete skill developing projects.

<b><u>Wood Fabrication 2</u></b>	TEC3045	.5 Cr	Elective 9-12	\$30
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This course is a continuation of the Wood Fabrication sequence using modern materials and processes. Students will learn advanced skills related to cabinet and furniture making, the use of panel products and jigs and fixtures. Students will explore career opportunities in wood product manufacturing. Successful students will have completed Woods 1 with a "C" or better.

<b><u>Wood Fabrication 3</u></b>	TEC3050	1.0 Cr	Elective 10-12	\$40
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Wood Fabrication 3 gives students the opportunity to expand their knowledge of wood product manufacturing. Based on their previous experience in this pathway, students will work in teams to analyze problems and find solutions. Creativity, collaboration, time management, and teamwork skills are a must as products are developed from design, costing, to assembly and quality control. Successful students will have completed Woods 2 with a "C" or better.

<b><u>Wood Fabrication 4</u></b>	TEC3060	1.0 Cr	Elective 11-12	\$40
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This capstone course is based on student mastery of manufacturing processes utilizing the design process. Students will build projects, create and document the complete design and manufacture process from idea to completion. Successful students will have completed Woods 3 with a "C" or better. (Dual transcribed credit is offered by Madison College with transfer possibilities to other colleges and universities.)

## TECHNOLOGY

<b><u>Design and Drafting</u></b>	TEC4015	.5 Cr	Elective 9-12	\$30
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This introduction to design and drafting covers the basics of creating a technical drawing using both sketching and computer-aided drafting systems. Students will become familiar with the basic commands and functions of the software while they solve problems and design solutions both on paper and 3-Dimensionally on the computer. Students will learn the basics of architecture design and techniques. Students will learn major house and building styles by mimicking these styles while designing buildings.

## CAREERS

<b><u>Career Internship</u></b>	CTE 9040	1.0 Cr	Elective 12
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GET PAID, RECEIVE CREDIT AND GAIN EXPERIENCE. Couples classroom learning with valuable, on-the-job work experience in a field related to the student's career interest. Build decision-making and leadership skills while applying classroom knowledge in a real and career specific setting. Previous internship placements have included: Engineering, Construction, Culinary Arts, Medical, Dentistry, information Technology, Accounting, Finance, Marketing, Interior Design, Journalism, and Criminal Justice/Law Enforcement to name just a few. A great resume enhancer and conversion piece during your next job interview and/or scholarship application. At the time of course completion and on-the-job hours, students may be eligible to be awarded a State Certified Employability Skills Certificate or other Skills Certificate. *Students must complete a program application, interview, and obtain a letter of reference from one other teacher*



# WORLD LANGUAGES

Since the introductory levels of a world language are the foundation for all succeeding levels, the West High World Language Department highly recommends that a student pass any course with a grade of D or better before the student may proceed to the next level. [In the event that a student receives a grade of "F" for the *first* semester of the introductory level, it is highly recommended that the student **not** continue that language study second semester.] The student may retake the relevant course at the next available time for grade and proficiency improvement.

Global Scholars Program (GSP)	
Global Scholars Program (GSP) is designed to support a students' journey toward global competence and awareness of the world.	
REQUIREMENTS:	
<b>World Language (minimum of B average)</b>	
	4 credits or equivalent of a <u>single</u> world language (or)
	4 credits of English Language Arts for ELLs
<b>Multidisciplinary Coursework</b>	
	See a GSP advisor for a course list.
<b>Cultural Literacy Experiences</b>	
	4 books with a global or multicultural focus
	4 global or multicultural experiences (art, music, films, cultural events, etc...)
<b>Co-Curricular or Extracurricular Experiences</b>	
	4 school, community or international experiences with a global or multicultural focus
<b>Community Service Project</b>	
	20 hours in service to a project with a global or intercultural focus
<b>Final Reflection</b>	
	Students interested in the Global Scholars Program should speak with their World Language Teacher.

Seal of Biliteracy (SBL)		
Biliteracy is competence with literacy skills in two languages and the ability to apply those skills within one's educational, social, linguistic, cultural, political and psychological context. The Seal of Biliteracy certifies student achievement of a high level of language proficiency in English and one, or more, additional languages.		
REQUIREMENTS:		
Completion of all state and district requirements for high school		
Proficiency in English, based on ONE of the following assessments:		
	ACT reading English Language Arts coursework GPA 2.5 ACCESS composite score of 4.0 (ELLs only)	
Proficiency in World Language - Intermediate High level based on ONE of the following assessments:		
	AAPPL test AP test	~ Proficiency may vary by language ~

Cultural Literacy Experience (Documentation of independent reading in English and partner language)			
	2 reflections on English books with a multicultural focus	OR	1 oral presentation of an independent reading in the partner language
	2 reflections on partner language books with a multicultural focus		1 oral presentation of an independent reading in English
Co-Curricular or Extracurricular Experiences			
	4 reflections on school, community or international experiences with multicultural focus	OR	1 oral presentation on school, community or international experiences with multicultural focus using PowerPoint or any other form of visual aid.
Community Service Project			
	Reflection on 20 hours conducted in a service project with a global or intercultural focus		
Final Reflection Statement			

<b>WORLD LANGUAGES</b> <b>Page 93</b>	<b>Credit</b>	<b>Fee</b>	<b>Course Number</b>	<b>Grade Levels</b>			
				<b>09</b>	<b>10</b>	<b>11</b>	<b>12</b>
French 1	1.0/yr		FOR1010	x	x	x	x
French 2	1.0/yr		FOR1020	x	x	x	x
French 3	1.0/yr		FOR1030		x	X	x
French 4	1.0/yr		FOR1040			X	x
AP French Language and Culture	1.0/yr		FOR1060			X	x
German 1	1.0/yr		FOR3010	x	x	X	x
German 2	1.0/yr		FOR3020		x	X	x
German 3	1.0/yr		FOR3030			X	x
German 4	1.0/yr		FOR3040			X	x
AP German Language and Culture	1.0/yr		FOR3050			x	x
Latin 1	1.0/yr		FOR6010	x	x	X	x
Latin 2	1.0/yr		FOR6020	x	x	X	x
Latin 3	1.0/yr		FOR6030		x	X	x
Latin 4	1.0/yr		FOR6040			X	x
Latin 5	1.0/yr		FOR6050			X	x

Spanish 1	1.0/yr		FOR2010	x	x	X	x
Spanish 2	1.0/yr		FOR2030	x	x	X	x
Spanish 3	1.0/yr		FOR2040	x	x	X	x
Spanish 4	1.0/yr		FOR2050		x	X	x
AP Spanish Language and Culture	1.0/yr		FOR2070			X	x
AP Spanish Literature and Culture	1.0/yr		FOR8080			x	x
Facilitated Foreign Language	1.0/yr		FOR8010		x	x	x
<b>Dual Language Immersion (DLI) Courses</b>							
Spanish Language Arts 1 (DLI)	1.0/yr		FOR8050	x			
Spanish Literature & Language Arts 2 (DLI)	1.0/yr		FOR8060		x		
Language & Community Engagement (DLI)	1.0/yr		FOR8090			x	x

### **French 1**

FOR1010

1.0 Cr

Elective 9-12

In French 1, students will learn how to communicate in French through simple conversation and develop skills in listening, speaking, reading and writing in the language. They will explore the language and culture of the French-speaking world. Through hearing and speaking mostly French in class, students will develop the ability to communicate with ease in French at a basic level around familiar topics like self and family, school, preferences, and everyday customs.

### **French 2**

FOR1020

1.0 Cr

Elective 9-12

French 2 is a course that uses the ACTFL World Readiness for Language Learning Standards and the Common Cores State Standards. Students will learn how to communicate in French through simple conversation and develop skills in listening, speaking, reading and writing in the language. They will further explore the language and culture of the French-speaking world. Through speaking and listening to mostly French in class, students will develop the ability to communicate with ease in French at a basic level around familiar topics like self and family, school, preferences, every-day and leisure activities, celebrations, travel, and compare one's costumes to those of the French-speaking world.

### **French 3**

FOR1030

1.0 Cr

Elective 10-12

This course continues the development of student ability to comprehend, speak, read, and write French. We also study some French history and culture. A grammar review plus further study of grammar allows the student to express more advanced thoughts in writing and in oral work. Class discussions and activities are conducted only in French so that the students will continue to improve their oral comprehension and speaking ability. The year ends with students reading a short novel in French.

### **French 4**

FOR1040

1.0 Cr

Elective 11-12

This course is designed to further develop communication proficiency in French through speech, listening, reading, and writing. Basic grammar is reviewed and expanded upon. Speaking and listening practices will be an important part of the course with the use of CD's, videos, films and on-line activities. Readings include a variety of texts, from magazines and newspaper articles to literary works. French 4 is conducted entirely in French.

### **AP French Language and Culture**

FOR1060

1.0 Cr

Elective 11-12

The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP French Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught exclusively in French. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). The course is equivalent to university

level curriculum and is offered with the option of taking the advanced placement exam in French language for university placement and/or credit. *It is highly recommended that students have successfully completed French 4 prior to this course.*

### **German 1**

FOR3010

1.0 Cr

Elective 9-12

German 1 is an introduction to the language and culture of the German speaking countries. Students develop a basic vocabulary primarily through listening and speaking skills with a secondary emphasis on reading. Emphasis is placed on listening to spoken German and learning to speak with simple terms. Emphasis will also be placed on motivating students to see value in the continuing language/culture learning process. German grammar, some reading, and a small amount of writing will be taught toward the goal of establishing beginning level proficiency in the language. A variety of additional resources and activities are used to emphasize the listening and speaking approach to language learning and proficiency.

### **German 2**

FOR3020

1.0 Cr

Elective 10-12

German 2 is an intermediate course that uses the ACTFL World Readiness for Language Learning Standards and the Common Cores State Standards. Students will learn how to communicate in German through more complex conversation and continue to develop skills in listening, speaking, reading and writing in the language. They will further explore the language and culture of the German-speaking world. Through speaking and listening to mainly German in class, students will progress in their ability to communicate in German at an intermediate level around relevant daily life topics like travel, personal interests, food, shopping, health, and holidays and customs.

### **German 3/4**

FOR3030, FOR3040

1.0 Cr

Elective 11-12

Students will become more autonomous with speaking and writing German while developing even greater proficiency with German oral and reading comprehension. This level familiarizes students with modern and classic poetry and short stories, past and present contributions in science, history, and the arts. Activities include peer activities, skits, videos, pair work, various projects, and presentations. Present-day German is brought to life through the study and discussions of the environment, the European community, social problems, health, media, and technology. The curriculum will vary year to year to accommodate this combined level course.

### **AP German Language and Culture**

FOR3050

1.0 Cr

Elective 11-12

In the AP German Language and Culture course, students continue to develop and refine their German proficiency in interpersonal, interpretive and presentational communication. The course is comparable to a third-year college course. The class is conducted exclusively in German on the part of both the instructor and the students. Authentic German written texts and audio sources are used to enhance students' reading and listening comprehension. Students frequently synthesize, evaluate, compare and respond to situations through formal and informal writing and speaking. Through the continual integration of listening, speaking, reading and writing skills, students review and refine their grammatical and vocabulary knowledge and develop an enhanced cultural understanding of German-speaking countries. Assessment of student proficiency is based on the rubrics used to assess student performance on the AP German Language & Culture Exam. The course includes the following themes/units: Families in Different Societies, The Influence of Language and Culture on Identity, Influences of Beauty and Art, How Science and Technology Affect Our Lives, Factors That Impact the Quality of Life, and Environmental, Political, and Societal Challenges. **Designed as a VLS (virtual learning) course.**

### **Latin 1**

FOR6010

1.0 Cr

Elective 9-12

In the first year of Latin students develop the ability to read Latin through a variety of stories based on classical mythology and ancient history. Through readings and class discussions, students become aware of Latin grammar and vocabulary and consequently learn more about the English language. Videos and classroom activities expose students to the Ancient World: history, daily life, mythology, architecture, etc. Students will

produce a portfolio of projects based on geography, mythology, history, grammar, translation, and composition.

### **Latin 2**

FOR6020

1.0 Cr

Elective 9-12

Students continue to develop their mastery of more complex Latin by reading real Latin authors such as: Daedalus and Icarus, Pyramus and Thisbe from Ovid, Cupid and Psyche by Apuleius, the account of the Druids from Caesar's *Gallic Wars*, mythology stories from Hyginus. Students continue their study of the Ancient World via mythology, history, architecture, daily life, etc. Students will continue with the portfolio process, producing projects that illustrate their learning.

### **Latin 3/4/5**

FOR6030, FOR6040, FOR6050

1.0 Cr

Elective 10-12

Advanced Latin is a multi-level classroom of Latin 3, Latin 4 and Latin 5 in all the same hour. Differentiation for levels comes within the portfolio requirements for the composition, translation and grammar projects.

### **Spanish 1**

FOR2010

1.0 Cr

Elective 9-12

Spanish 1 is an introductory course that uses the ACTFL World Readiness for Language Learning Standards and the Common Core State Standards. Students will learn how to communicate in Spanish through simple conversation and develop skills in listening, speaking, reading and writing in the language. They will explore the language and culture of the Spanish-speaking world. Through speaking and listening to **mostly Spanish** in class, students will develop the ability to communicate **with ease** in Spanish at the basic level around familiar topics like self and family, school, preferences, and everyday customs.

### **Spanish 2**

FOR2030

1.0 Cr

Elective 9-12

Spanish 2 is a course that uses the ACTFL World Readiness for Language Learning Standards and the Common Core State Standards. Students will expand their ability to communicate in Spanish through simple conversation and continue to develop skills in listening, speaking, reading and writing in the language. They will further explore the language and culture of the Spanish-speaking world through use of authentic and created materials. Through speaking and listening to mostly Spanish in class, students will expand their abilities to communicate with ease in Spanish at a basic level around more themes like self and others, daily life in the community, home and family, and local and global community.

### **Spanish 3**

FOR2040

1.0 Cr

Elective 9-12

The emphasis in the third level of Spanish is on transitioning students to more advanced levels of language acquisition and production. Vocabulary building and grammar study become more intensive. All grammar and vocabulary is taught through the context of learning about Hispanic culture and daily life. Students read short stories and a novel to develop their ability to interpret written language. They practice their oral skills through class discussions, dramatizations, and presentations, and practice their written skills through the writing of essays. The class is conducted entirely in Spanish.

### **Spanish 4**

FOR2050

1.0 Cr

Elective 10-12

Spanish 4 focuses on deepening the understanding of Spanish culture and language while further developing reading, writing, speaking and listening skills. All grammar is taught while learning about the Hispanic world and some of its literary treasures. A variety of texts are read and analyzed to develop critical thinking skills and to provide insight into the culture. Videos, CDs, films and online activities allow students to develop their listening skills. Oral skills development is emphasized at this level and active participation in class discussion is required at all times. Several short compositions are written. The class is conducted entirely in Spanish.

### **AP Spanish Language and Culture**

FOR2070

1.0 Cr

Elective 11-12

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of

communication. To best facilitate the study of language and culture, the course is taught exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). The course is equivalent to university level curriculum and is offered with the option of taking the advanced placement exam in Spanish language for university placement and/or credit. *It is highly recommended that students have successfully completed Spanish 4 or Spanish Literature and Language Arts 2 prior to this course.*

### **AP Spanish Literature and Culture**

FOR8080

1.0 Cr

Elective 11-12

The AP Spanish Literature and Culture course, conducted entirely in Spanish, is comparable to an intermediate level college course and prepares students for the AP Spanish Literature & Culture Exam. Students are expected to use Spanish exclusively in class. The curriculum is designed according to the College Board AP Spanish Literature and Culture Course Requirements. This course will introduce students to an extensive required reading list of stories, novels, poetry, drama, and essays from Spanish, Latin American, and United States Hispanic literature. Students will gain greater competence not only with Spanish language and literature, but also with social, historical, environmental, and cultural issues. Students who elect this class may be expected to complete some reading and additional study during breaks to meet course requirements. *It is highly recommended that students have successfully completed Spanish 4, Spanish Literature and Language Arts 2 prior to this course.*

### **Facilitated Foreign Language**

FOR8010

1.0 Cr

Elective 10-12

*Recommendations: Completion of a language course with a minimum of "B" each semester or consent of instructor based on equivalent experience. Students in grade 9 meeting these recommendations may be considered.*

This course is designed for highly motivated learners who wish to study a language aside from the traditional offerings in French and Spanish, or students who have completed French or Spanish level 5 and wish to design their own course of study to continue to progress in the language. In this non-traditional language study class, students will use a variety of materials and resources to learn a chosen language and cultural elements related to the countries where the language is spoken. The teacher-facilitator will instruct the groups in critical language learning methods and students will participate in language learning activities, working individually as well as cooperatively in small language cohorts. Native and non-native-speaking tutors will provide oral practice. The first year of this course will cover the introductory curriculum in the chosen language as well as language learning techniques. Subsequent years will continue to study in the chosen language.

*Note: The language studied is chosen by the student; however, languages offered may be limited by student interest and/or availability of resources. Current language possibilities include Japanese, Italian, Korean, HoChunk.*

## **Dual Language Immersion (DLI) Courses**

### **Spanish Language Arts 1 (DLI)**

FOR8050

1.0 Cr

Elective 9

This course, in alignment with the Common Core State Standards, emphasizes reading, understanding, and reacting in writing to literature written in Spanish. In this course students will build upon prior knowledge of grammar, vocabulary, word use, and the mechanics of writing. They will develop and apply this learning through the four skill domains of reading, writing, listening, and speaking through linguistically and culturally authentic tasks. In this course, students will be introduced to literary genres through texts written in Spanish for a Spanish speaking audience from a range of historical eras and geographical contexts. ***This course is conducted almost exclusively in Spanish. This course is designed for students enrolled in the district's Dual Language Immersion programs. Other interested students should consult with a guidance counselor prior to registering for this course.***

**Spanish Literature & Language Arts 2 (DLI)** FOR 8060 1.0 Cr Elective 10

In this year-long course, students build on Spanish Language Arts 1 skills and further develop their Spanish literacy skills and understandings from the Common Core State Standards and ACTFL World Readiness for Language Learning Standards. Students hone their abilities to read, write and think critically while engaging in collaborative work with peers that provide practice in speaking, listening, and academic vocabulary usage. Students work with a range of authentic Spanish language texts, both literary and informational around universal themes of identity, beauty, friendship, and the influence of technology. The course is conducted almost exclusively in Spanish and focuses on accurate communication through different domains in the Spanish language. Extensive reading, vocabulary building, and grammar practice develop greater student language proficiency and prepare students for the AP Language and Culture Spanish course.

**Language and Community Engagement (DLI)** FOR 8090 1.0 Cr Elective 11-12

*Recommendations: Students should have a minimum of intermediate mid proficiency, have completed SLA 2 and/or AP Spanish Language and Culture, and/or have teacher recommendation before enrolling in this course.*

Students who have studied a language in school or are heritage speakers will have the opportunity to continue their language study in an individualized way with an emphasis on using the language outside of a classroom setting and in the local and global community. Through various opportunities for communication in the target language that extend beyond the classroom, students will explore individualized areas of interest and community engagement. Each semester will culminate in a student-led project that reflects the semester's learning.