

Madras High School



2021 – 2022

Academic Planning Guide

Madras High School

Home of the White Buffalos

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2021-2022 Special Addendum

Students and Parents/Guardians,

March 2021

As you know, there have been a lot of uncertainties during the 2020-2021 year that have impacted student schedules, learning options and graduation requirements etc. The information in this addendum covers some special changes that may affect the upcoming school year.

We are forecasting for our regular seven-period semester schedule; however, if the current restrictions stay in place, we may move to a four-period quarterly schedule as we have for this year. If we move to a four-period schedule with similar restrictions, we may not be able to offer all courses or honor all elective requests. Schedule changes in this option will be very limited.

In addition, Honors and Highest Honors recognition has been modified for the graduating class of 2022 due to restricted course offerings in the previous year. Honors recognition will be awarded to any student with a 3.6 to 3.79 GPA. Highest Honors recognition will be awarded to any student with a GPA of 3.8 and higher, regardless of courses taken. Valedictorian and Salutatorian will be awarded to the highest and second highest GPA respectively. Only students earning a standard Oregon Diploma will be considered for Honors recognitions.

If we continue to offer an online learning option, make sure you choose the option that is the best fit for your family. Please communicate with your student's counselor or the district office about your choice as soon as possible.

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Welcome

Greetings Current and Future White Buffalos!

It is our pleasure to welcome you to Madras High School and to our Academic Planning Guide. Everything that we do here at Madras is to prepare you for what you want to accomplish in college and career. It is very important that you use the information within this booklet as a guide first and foremost for high school graduation, while also keeping in mind your future aspirations. The variety of courses described in this booklet allows you to plan and individualize your four-year program. Use this guide carefully as you prepare for the upcoming school year and beyond.

Madras is a great place! We have multiple cultures and languages represented in our school. We are very proud of the variety of academic offerings, but we are also proud of our athletics, activities, and clubs that we offer you. We want you to get involved! Not only will your involvement in activities outside the classroom enhance your high school experience, but this involvement will further connect you to our Madras community.

This guide will help you in creating an effective roadmap towards graduation, so plan accordingly. Understand that a roadmap is only a step, and ultimately it will be your responsibility to work very hard, which will determine your success. Challenge yourself, take risks, and don't be afraid to make mistakes for this is how we grow!

Madras High School Mission Statement

Madras creates an inspired community of productive citizens and life-long learners.

Non-Discriminatory Policy

The Jefferson County School District recognizes the diversity and worth of all individuals and groups. It is the policy of the Jefferson County School District not to discriminate on the basis of sex, race, color, creed, religion, national origin, age, disability, marital status, sexual orientation, gender identity and expression, veteran or military status, or the use of a service animal by a person with a disability, and provide equal access to all designated youth groups. In advance of events, persons needing accommodation or transportation because of a physical or mobility disability, or accommodation because of other disabilities such as hearing impairment, contact Kira Fee at (541)475-2804. For questions or complaints, please contact Lori Bonham, Title IX Coordinator/Human Resources Director at 541-475-6192 or via email at titleix@509j.net.

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Course Descriptions

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Using the Program Planning Guide

If you use this planning guide at home with your parents and in conjunction with your teachers, your school counselor and administrator, it will give you a better understanding of your choice of classes. In addition, it can help you discover pathways you want to pursue after high school. Make every effort to take advantage of the opportunities to educate yourself about your choices by getting input from your teachers regarding the level and types of classes that will help you reach your goals, and seek your counselor's guidance regarding course prerequisites, possible sequences, and post-high school planning.

1. The Jefferson County School District requires that students earn a minimum of 24 credits to earn a high school diploma. Our semester schedule gives you the opportunity to earn 7.0 credits each year for a total of 28 possible credits earned during a four-year program of study. This gives you plenty of room in your schedule for required classes and additional classes necessary to access highly competitive colleges, as well as the ability to lay the groundwork for your future career pathway.
2. Make certain that you pay close attention to the graduation requirements outlined and explained on [pages 13-14](#). Develop a Personal Plan with your guardian(s) and counselor that addresses all the years you have left in high school, including graduation requirements and college or career expectations.
3. Courses are divided into two types: required and elective. Students must pass required courses in order to meet the State of Oregon and Jefferson County School District requirements for graduation. Elective classes are designed to build skills in areas of study that meet student needs for college admission, as well as the pursuit of career pathways and individual interests. Some elective courses have fees; for example, courses that receive college credit require testing fees and/or college tuition fees. Students should not allow the inability to pay fees to interfere with enrollment in a course. Students who are unable to pay the fee should discuss the possibility of a scholarship or fee waiver with their counselor.
4. When selecting elective choices, students should consider elective subjects carefully and select viable alternative classes. If there is a conflict in building a schedule, or in the event that we are unable to offer the course due to insufficient enrollment or inadequate funding, your alternative selections will be helpful.
5. Students and parents/guardians should review the four-year plan each term and update it as necessary. Careful and thoughtful selection of required and elective classes leads to meaningful in-depth study in areas of interest and may provide the opportunity for future career internships and job shadows.
6. Although certain courses are required, students still need to read the course descriptions before filling out the course forecasting worksheet appropriate for their grade level. In most cases, courses that meet for one semester earn 0.5 credits. Courses that meet for two semesters earn 1.0 credit.
7. Choose courses carefully! We hire teachers and create classes based on student requests so changes will not be possible after forecasting is finished.

Grading Information

Madras Grading Practices

Grading Scale

A	4 Points	Mastery	P	Pass (70% or greater)
B	3 Points	Proficient	NP	No Pass (69% or less)
C	2 Points	Developing	NG	No Grade (no credit)
D	1 Point	Beginning	I	Incomplete (becomes F after 2 weeks)
F	0 Points	Failed to complete minimum requirements		

Grade Reports

Report cards are mailed home and course grades are recorded on a student's permanent record at the end of each semester. Progress reports are mailed home at the end of the first quarter in semester one and at the end of the third quarter in semester two. Progress report grades are not permanent and do not go on a student's permanent record.

Transcripts

The transcript is the permanent academic record of a student's high school achievement. It documents attendance, grade point average, and grades and credits for all courses taken. All colleges and most scholarship programs require a copy of a student's official transcript.

Power School

Parents can monitor their students' grades and attendance through PowerSchool. Please contact the registrar to create an account.

General Information

Schedule Changes and Corrections

The Madras staff works very hard to give students their first choice of electives (or alternates) requested during the spring forecasting process. If a scheduling error is made, counselors should be notified before school begins so corrections can be made. Because the offering and staffing of many elective courses depend upon the requests made during the spring, students are expected to accept and complete the courses they have requested during the spring forecasting process. Parent/Guardian and students may request an appointment to meet with a counselor up to 1 week before the semester begins to request schedule changes. We are not able to offer students the option of scheduling classes with specific teachers or at specific times. The Madras schedule strives to ensure equity and fairness to all students and to maintain balanced class loads.

Schedule Changes after the Semester Begins

Some schedule changes may require a teacher and/or administrator signature, depending on the nature of the schedule change. Students will be held accountable for class changes needing administrative approval up to and including a drop grade of an F attached to the student's transcript, which affects the student's GPA. Please make time with your family to discuss the importance of forecasting for classes. Accurate forecasting by every student is the best way to ensure that Madras High School provides the best schedule possible for all students.

Late Arrival / Early Release

Students in the 12th grade that are on track for graduation may choose to arrive late to school or leave school early instead of taking a full class load. Students must have at least 90% attendance in each class and pass each class with a "C" or better to be eligible for Late Arrival or Early Release in the following semester. Madras believes in providing students with great educational opportunities through graduation, therefore, students may only request Late Arrival or Early Release for Career or College pursuits. Students that are assigned Late Arrival or Early Release will not be allowed to remain on campus during any period they are not enrolled in a class.

Course Repetition

Most courses for which students receive a passing grade may not be repeated for credit, though there are some exceptions in the elective course areas. Additional exceptions would need to be approved by a counselor or administrator. When a course is repeated for credit, the student will be responsible for deepening their knowledge in the content and will be responsible for completing more complex projects and assignments.

Students who receive an “F” grade in a required class will have to repeat the course for credit or be required to take a similar course through online credit recovery.

Admission to Bridges High School

Madras recognizes that some students may not fit into the traditional high school model; this is why Bridges High School was created. BHS serves students who are behind in credits, need a more flexible school schedule due to medical concerns, need a different school environment to be successful, and numerous other reasons. Bridges has the flexibility of both direct instruction and online learning to help fit the needs of students. Any student interested in attending Bridges High School should speak with their counselor. Admission to Bridges is non-discriminatory and follows the Jefferson County School District policy to not discriminate on the basis of sex, race, color, creed, religion, national origin, age, disability, marital status, sexual orientation, gender identity and expression, veteran or military status, or the use of a service animal by a person with a disability, and provide equal access to all designated youth groups.

Madras is fortunate to be located in an area with many alternative options. If you are behind in credits and/or the traditional school system is not working for you, please speak with your counselor or administrator. Madras has been working successfully with the following alternative programs for many years; Heart of Oregon, Central Oregon Youth Challenge, Job Corps, and the Central Oregon Intergovernmental Council. Your education is important!

Graduation

Graduation Ceremony

Only those students who have earned 24 or more credits and have met all of Jefferson County School District’s graduation requirements ([Pages 13-14](#)) by the end of the last day for seniors may participate in the graduation ceremony. Students must earn at least 20.5 credits by the end of the first semester their senior year to be considered on track for graduation. All fines and fees must be paid for students to receive their diploma after the ceremony.

Valedictorian and Salutatorian Requirements

The Valedictorian(s) will be the graduating senior(s) with the highest cumulative weighted GPA who also qualifies for Highest Honors ([Page 15](#)). The Valedictorian must attend Madras for at least two of their four years of high school, completing their senior year at Madras. The Salutatorian will be the senior(s) with the next highest cumulative GPA to the Valedictorian, and also qualifies for Highest Honors ([Page 15](#)).

For the graduating class of 2022, Honors and Highest Honors will be awarded based on GPA only. Please see your counselor for additional information.

Academic Supports

Madras strives to support its students to be as successful as possible. AVID is an elective program that students can apply to be in to help them improve their student skills and help prepare them for college. Other supports include:

- After school tutoring (Monday through Thursday)
- Make an appointment with a teacher for additional help
- Work with a peer
- Create a study group

Work Related Credit Options

School-To-Work: General Work Experience

Madras' School-To-Work (STW) program aims to help students realize how their job now is helping them to gain skills to be successful in college and/or future careers. The student will need to complete a STW packet in addition to documenting 60 hours of work to receive credit for the class. Students interested in STW should speak to their counselor prior to the start of the semester and/or summer.

School-To-Work: Internship Opportunities

Madras has worked with the Chamber of Commerce to create an internship program ([Youth Careers Connect](#)). The program provides students an opportunity to explore an area of interest while receiving high school credit. In addition to completing an internship packet, the student will need to document 30 hours of internship at a single site. Madras has a staff member that helps students find internship locations and supervises their experience. See your counselor or go to the Future Center to inquire about an internship opportunity.

Health Occupations

For those interested in a career in the health field, you may want to consider health occupations. This program is a class built into your schedule. You will go to the hospital every Monday and observe 7 different careers in a hospital setting. On other days of the week, you will observe health careers in the community including dental, vision, pharmacy, EMT, etc. This is a great exploratory class for those wanting to learn more about health careers.

Madras High School AVID Program

AVID is:

Advancement Via Individual Determination

A system that packages a collection of research-based educational practices with a community with the goal of college readiness and success.

A program that provides scaffolding and support in order to facilitate high levels of achievement.

How is AVID present in schools?

AVID exists school-wide in a wide array of researched-based teaching and learning strategies utilized in a variety of courses. It works to ensure structures exist around equity in school systems, including access to rigorous classes for all students.

The most targeted work to support students in attaining high levels of educational success occurs in the class designed for students who fit the AVID Elective Student profile.

What is the AVID Student Profile?

AVID students have a desire for great academic success and college readiness.

AVID students are **determined** to take rigorous courses and participate in community activities to achieve their goals.

AVID students have **capacity**, the ability to have success amidst a demanding course schedule.

AVID students would benefit from strategic **support** in the form of scaffolding.

What is scaffolding in the context of AVID?

Scaffolding allows people to work at a higher level. In the context of AVID, scaffolding comes in the form of teaching and learning strategies that enable learners to access increased rigor and achieve at a higher level. Many of these strategies are organized into one of the five components of WICOR.

What is WICOR?

WICOR is an acronym that helps organize the five areas in which AVID categorizes its core strategies. “W” is for writing to learn, best exemplified by the Cornell Note Taking System. “I” is for inquiry, represented by Costa’s Level of Questioning. “C” stands for collaboration, because working together is invaluable in the pursuit of academic success. “O” is for organization, a category anchored by the famous AVID Binder. “R” is for the reading strategies that support leaning, including active reading.

What is support in the context of AVID?

Support comes in the form of staff that walks with students amid daily challenges, both big and small, that are part of academic life, accountability for strategy use and assignment completion, and opportunities, like field trips, that support college readiness.

What happens each week in the AVID Elective classes?

During each week in the typical AVID Elective class, students have their binder checked, prepare for and participate in tutorials (an inquiry based collaborative effort to support academic success in core classes), build relationships, and learn WICOR strategies. In addition to these foundational components, there is a distinct AVID Elective curriculum for each grade level.

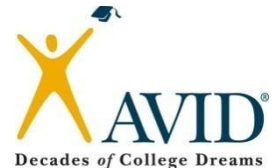
What are the themes for the AVID Elective classes at each grade level?

The **AVID 9** class aims to build a strong sense of community, introduce students to key resources that exist at the school, develop the core WICOR strategies that students will use to optimize success in rigorous courses, and begin to inform and expand students’ college-going visions.

The **AVID 10** class continues the work started in the AVID 9 class, as well as to expand students’ vocabulary as they prepare for AP Courses and college testing and get equipped for core tenth grade courses like Chemistry and Geometry.

The **AVID 11** class further extends the ongoing elective journey while adding in specific preparation for college testing.

The **AVID 12** class focuses on the college application and financial aid procurement process as well as the variety of skills needed for a successful transition to college life.



What are the requirements for entry and maintain good standing in AVID?

Students apply and are interviewed as part of the AVID admission process. Those admitted must fit the AVID student profile described above and maintain GPA requirements. Being admitted to an AVID Elective course involves a one year commitment by the student in order to ensure sufficient opportunity to implement WICOR strategies and have time to benefit from support.

Athletic & Activity Eligibility

Eligibility

Students must meet the Jefferson County School District and OSAA eligibility standards if they wish to participate in athletics or activities. All ninth grade students are eligible to participate during the first grading period of high school if they are taking five or more classes. After the first grading period, there will be additional academic standards for all students. Students must be enrolled in a minimum of five graded classes for eligibility.

All Madras students must meet the following requirements in order to participate in athletics and/or activities:

- Students must attend all classes each day in order to participate in practice, an event, game, or activity.
- Demonstrate good citizenship in the school and in the community.
- Refrain from drugs, alcohol, tobacco, and other illicit products and activities.
- Have a parent/guardian signed participation form turned in before try-outs or the first practice.
- All 9th and 11th graders, and any students new to the district who have not had a physical within the last two years, will be required to have a physical.
- Indicate emergency medical treatment approval and provide documentation of insurance.
- Travel by school authorized transportation only.
- Demonstrate adequate progress towards graduation with the following number of credits earned by the start of the school year: Sophomores – 4.5 credits; Juniors – 10 credits; Seniors – 17 credits.
- Fifth year seniors are not eligible to participate.

Academic Probation

If an athlete did not pass at least five classes then he/she is ineligible for the next semester or until five passing grades from the previous semester have been attained. While in season, participants must be passing five classes at the nine-week grading period. If the athlete is not passing five classes at the grade check, he/she will be placed on academic probation. During this time the participant will have six days to show evidence of passing five classes. If the participant is not passing five classes at the end of the six days he/she will be ruled ineligible until five passing grades are attained. Please contact the Athletic Director for more details and/or if you have further questions regarding academic eligibility for athletics and activities.

Athletic Programs

FALL	Winter	Spring
Cross country	Basketball	Baseball
Football	Cheerleading	Softball
Soccer	Wrestling	Tennis
Volleyball	Swimming	Track and Field

Clubs and Activities

Associated Student Body (ASB)*	Art Club*
Cheerleading	Drama Club
Future Business Leaders of America (FBLA)*	Fellowship of Christian Athletes
Future Farmers of America (FFA)*	Graphics Tech Club*
Gay Straight Alliance (GSA)	Japanese Culture Club
JROTC Drill Team*	JROTC Shooting Team*
Juntos	Key/Interact Club
Link Crew	Marching Band* / Pep Band*
National Honor Society (NHS)**	SkillsUSA
Science and Math Investigative Learning Experience (SMILE)*	

*Associated with a high school program of study.

**NHS is a nationally sponsored organization for students with high academic performance and a commitment to community service. Students are invited to join after they have attended Madras for at least two semesters and have maintained a 3.0 GPA or higher.

School-Sanctioned Competitive Teams

Water Polo

Oregon High School Equestrian Team (OHSET)

Madras Counseling Program

The Madras Counseling Program is an essential part of the overall educational program for each student. Our program strives to assist every student in acquiring the knowledge, skills, and attitudes needed to become effective students, responsible citizens, productive workers, and life-long learners.

Madras school counselors believe that the ongoing collaboration between counselors, administrators, teachers, parents, and community members ensures equal opportunity and access for each student for academic promise and post-secondary options.

The Madras Counseling Program facilitates student development in three broad domains to promote and enhance the learning process. Domains are developmental areas that include standards and competencies. The three domains of student development and the ways in which Madras addresses the domains are:

□ Student Support Teams

- Professional Learning Communities (PLCs)
- Advancement Via Individual Determination (AVID)
- Response to Intervention (RTI)

□ Career & College Readiness

- Graduation Progress
- School Placement Options
- Forecasting and Scheduling
- Naviance – scholarships, college searches, common application, career interests
- College Visitations
- College Applications
- Free Application for Federal Student Aid (FAFSA)
- Transcripts
- Support for the Future Center
- Tutoring
- SAT/ACT/ASVAB Testing Opportunities

□ Personal/Social Development

- Individual Meetings
- Crisis Response
- Connections to Resources
 - Special Education
 - 504 Plans
 - School Based Health Clinic (SBHC)
 - Mental Health Professional(s)

How to make an appointment with a school counselor:

Parent/Guardian: Call or email your student's counselor or the registrar (541) 475-7265 extension 3:		
Registrar Cassie Piercy cpiercy@509j.net	Students Last Name A-L Jess Swagger (Counselor) jswagger@509j.net	Students Last Name M-Z Stacey Bruce (Counselor) sbruce@509j.net

Students: Please use the online form to request an appointment with your counselor. <http://bit.ly/MHScounselor>

If an urgent need arises, students may request that a teacher contact a counselor.

Future Center

The Future Center team is here to support MHS students in planning and achieving personal post-secondary goals for their college or career objectives. The program has two primary purposes: to serve as a warehouse for college and career information and provide one-on-one mentoring services. The Future Center houses resources for financial aid assistance, ACT and SAT testing, career exploration, scholarship opportunities, apprenticeship options, employment preparations and more.

The mentor component involves students being assigned a volunteer mentor during their junior year to begin the process of exploring their aspirations for the future. The mentor will assist the student in formulating a personalized action plan to achieve their vision by meeting with them multiple times during the second semester of their junior year and continue to provide resources and support throughout their senior year!

The future center hours are 9:30am-4:00pm every school day. Please feel free to stop by or contact us with questions at any time.

The Future Center Coordinator is Samantha Loza. sloza@509j.net or sign up for an appointment <http://bit.ly/fcappt>

POST-SECONDARY OPTIONS

OVERVIEW

There are several post-secondary options for students after MHS. We are here to help students explore and find the right fit. See below for a general overview of the most common post-secondary pathways.

COLLEGE	COMMUNITY COLLEGE	PUBLIC UNIVERSITY	PRIVATE UNIVERSITY
	<p>No admissions requirements; all admitted</p> <p>Avg. \$4,000/year</p> <p>Certificates, career and technical associate's degrees, transfer associate's degrees</p>	<p>Admissions requirements vary Typically 3.0 GPA or higher, specific core classes, ACT or SAT, foreign language</p> <p>Avg. \$10,000/year</p> <p>Bachelor's degrees, master's degrees, PhD</p>	<p>Very selective admissions; higher GPA and ACT/SAT scores, specific core classes, foreign language, letters of recommendation</p> <p>Avg. \$45,000/year</p> <p>Bachelor's degrees, master's degrees, PhD</p>
CAREER	APPRENTICESHIP	TRADE SCHOOL	JOB CORPS
	<p>Requirements vary Typically 18 years and GED or high school diploma</p> <p>Between 2-5 years: begin working right away and earning money</p> <p>Ex: Lineman, electrician, plumber, construction, HVAC, steamfitter, etc.</p>	<p>Requirements vary Typically 18 years and GED or high school diploma</p> <p>Programs range from 6 months - 2 years</p> <p>Avg. \$20,000/program</p> <p>Ex: automotive tech, welder, diesel mechanic, etc.</p>	<p>Free residential education and job training program for young adults between 16-24</p> <p>Job Corps can help you get your GED or diploma and give you on the job training</p>

TIPS

- Keep an eye on deadlines
- Not sure what you want to study? That's okay! Most students change their major and you can still start college if you aren't sure what to major in
- You can apply to multiple schools/programs and decide later

Madras Diploma Requirements

The state of Oregon and Jefferson County School District require students to complete 24 credits in order to graduate. Regular attendance also continues to be a requirement. These requirements reflect the minimum program that students can complete and still earn a high school diploma. For the majority of students, particularly those who are planning post-high school education, pursuit of a challenging academic program is the most important consideration, and additional classes in core subject areas are necessary.

Students planning to enter a four-year Oregon University System school will need to meet the state's admission requirements listed in this planning guide. Students planning to attend out-of-state and/or private colleges and universities should communicate with admission counselors at individual universities to plan a high school course of study as it relates to specific admission requirements.

Minimum Graduation Requirements:

Typical Curriculum Plan

Part I:

Language Arts (4 credits)	1 credit required at Grade 9 1 credit required at Grade 10 1 credit required at Grade 11 1 credit required at Grade 12	English 1 / Enriched English 1 English 2 / Enriched English 2 English 3 / College Comp. 1 English 4 / College Comp. 2
Mathematics (3 credits)	1 credit required at Grade 9 2 credits required at Grade 10-12	Algebra Foundations/Algebra 1 / Geometry Geometry / Algebra 2 / Trigonometry / Calculus / Financial Algebra
Science (3 credits)	1 credit required at Grade 9 1 credit required at Grade 10 1 credit required at Grade 11	Integrated Science Biology, Chemistry Physics / Environmental Science 1 & 2 / Biology / AP Chemistry/ AP Bio
Social Studies (3 credits)	0.5 credit required at Grade 9 1 credit required at Grade 10 1 credit required at Grade 11 0.5 credit required at Grade 12	Global Studies World History U.S. History Government
Health Education (1 credit)	0.5 credit required at Grade 10-11 0.5 credit required at Grade 11-12	Health 1 Health 2 / Health Occupations
Physical Education (1 credit)	0.5 credit required at Grade 9 0.5 credit required at Grade 10-12	Strength & Conditioning / Sports & Games 1 & 2/ Cross Training/ Walking for Success
Fine Arts / Applied Arts / Foreign Language (3 credits)	Students must choose 3 credits in any combination in any of the following areas: Band, Choir, Art, Spanish, and/or CTE (Agriculture, Business, Construction, Graphics, Manufacturing, Natural Resources).	
Electives (6 credits)	All students, with the assistance of their guardian(s) and school counselor, are allowed to select a combination of elective courses which best meet the needs of their post-high school graduation plans. Elective credits in math, science, and second language are highly recommended for college-bound students.	

Part II:

Essential Skills Requirement: Passing scores on State Standardized Assessment for Reading, Writing, and Math or other approved option.

Part III:

8 Volunteer Hours (Sophomore year) -- Junior Survey in Naviance (Junior year) -- Senior Celebration (Senior year)

JCSD Diploma Requirements	
Subject	Credits Required
Language Arts	4
Mathematics (Algebra 1 or above)	3
Science	3
Social Studies	3
Physical Education	1
Health Education	1
Foreign Language / Art / Music / CTE	3
Electives	6
Total Credits	24
Essential Skills	
Read & Comprehend a Variety of Text	SBAC / ACT / SAT / WorkKeys / Work Samples
Write Clearly & Accurately	SBAC / ACT / SAT / Work Samples
Apply Mathematics in a Variety of Settings	SBAC / ACT / SAT / WorkKeys / Work Samples
Big 3	
8 Volunteer Hours	
Junior Survey	
Senior Celebration	

Honors Recognition at Graduation

Honors

To graduate with honors, students must have a minimum cumulative GPA of 3.60. No additional requirements are mandatory.

Highest Honors

To graduate with highest honors, students must have a minimum cumulative GPA of 3.60 **AND** complete 7 rigorous courses. A minimum of 4 of the courses must come from the below “Core List”.

Core List
English: College Comp. 1, College Comp. 2
Mathematics: Functions of Trigonometry, AP Calculus
Science: AP Chemistry, AP Biology
Social Studies: AP Government
Music: AP Music Theory & Composition

The additional 3 courses needed to satisfy the Highest Honors requirements may come from the “Core List”, the below “Enrichment List”, or a combination of the two.

Enrichment List	
Agriculture	3 credits
Art (must be advanced level)	2 credits
AVID	3 credits
Business	3 credits
Construction	3 credits
Manufacturing/Engineering	3 credits
Second Language (must be advanced level)	2 credits
Graphic Design	3 credits
JROTC	3 credits
Band	3 credits
Choir/Theatre Arts	3 credits
Natural Resources	3 credits
Science (beyond graduation requirements)	2 credits
Yearbook and Leadership	3 credits

No courses may be used in more than one area; for example, a student taking AP Biology can use that as a course from the Core List, but not for the Enrichment List.

Advanced Programs

In operation since 1955, the Advanced Placement (AP) Program has a long record of providing students the opportunity to take college-level courses and examinations while still in high school. Participation in an AP class brings many benefits to students:

- AP courses provide the chance to study a particular subject in more depth with classmates who are just as enthusiastic.
- AP courses prepare students for college work and help with achievement in other courses.
- Taking AP courses can improve a student's chances of getting accepted to a competitive college. Colleges and universities recognize that applicants with AP experience are much better prepared for the demands of college courses.
- AP courses can save money in college. In 2021, JCSD paid for all exams, and a student might receive credit from his/her college worth hundreds (or sometimes thousands) of dollars.
- Earning enough qualifying AP grades on exams can gain a student sophomore standing at more than 1400 institutions, check the College Board website at www.collegeboard/ap/ or contact the specific college or university.

College Now

College Now classes are courses regularly offered at Madras that give students the option to simply earn high school credit *or* to earn both high school and college credit. In order to earn college credit, the student will have to register and pay a small fee to the college. Listed below are courses that we currently offer at Madras and their institution of offering:

Adv. Graphics Technology	Mt. Hood CC
Ag. Science & Technology 1	Linn-Benton CC
Adv. Ag. Science & Technology	Linn-Benton CC
Animal Science	Linn-Benton CC
AP Calculus	Central Oregon CC
AP Biology	Central Oregon CC
Animal Science	Linn-Benton CC
Careers in Education	Central Oregon CC
College Composition	Central Oregon CC
Computers in Agriculture	Linn-Benton CC
Creating Adventures in Movement, Music and Art	Central Oregon CC
Digital Photography	Mt. Hood CC
Functions of Trigonometry	Central Oregon CC
Greenhouse & Landscape Management	Linn-Benton CC
Guiding and Supporting Young Children	Central Oregon CC
Health 2: Health Occupations	Mt. Hood CC
Plant and Food Science	Linn-Benton CC
Learning Through Play and Exploration	Central Oregon CC
Small Gas Engines	Linn-Benton CC

Madras expects all students to adhere to the highest standards of academic honesty and integrity. Violations of academic integrity include cheating, plagiarizing, turning in another's papers or projects, giving one's work to others, passing test information to others, misrepresenting other's work as their own, or being found in possession of another's work.

Expanded Options

Expanded Options is a program offered through Jefferson County School District (JCSD) and Central Oregon Community College (COCC). This program allows current junior or senior Madras students (or those who are at least 16 years old at the time of enrollment) to take 100-level or higher college courses on site at COCC, on a seat-available basis. JCSD pays for enrollment costs, tuition, and textbooks. As a COCC student, you can begin earning college credits while still in high school and apply college coursework to high school graduation requirements. The earned credit will be on your high school and COCC transcripts. Students must sign up with their MHS counselor by May 1st the year prior to participating.

Impact of Taking College Courses in High School

Taking college credits in high school may impact your college GPA or financial aid eligibility. Credits taken prior to graduation may also be considered as part of the 90 credit limit the Oregon Promise covers.

Madras High School is committed to encouraging participation in advanced programs by a variety of students. The courses are designed with diversity of students in mind. Any student who is curious and willing to accept a significant challenge should consider participating in one of these programs. Students planning to pursue advanced programs should discuss their options with their counselor and teachers. Students should carefully consider the number of advanced classes they request against their extracurricular activities and other responsibilities outside of school.

Academic Integrity

What is Plagiarism?

Definition: Plagiarism is the use of another person's words, ideas, or facts as if they were your own, without giving credit to the original source.

Plagiarism can be the copying of an entire paper or a single part. There is no minimum amount required to be copied from another source to be considered plagiarism. If you are using information from a source other than yourself and not citing it you are most likely committing plagiarism. Simply rewording another person's work is still considered plagiarism.

Examples:

- You are plagiarizing when you use information from another source without including proper documentation (e.g. citations and a list of works cited or a bibliography).
- You are plagiarizing when you turn in another student's work as your own or allow someone else to copy your work; this work might include homework, tests, papers, or other assignments.
- You are plagiarizing when you copy materials from sources such as the Internet, books, or periodicals without introducing the material or using citations to show the beginning and end of the "borrowed" material.

(Adapted from the Oregon Career and Technical Education (OCTE) pamphlet "What's Plagiarism and How Can You Avoid It?")

Guidelines for Avoiding Plagiarism:

- Indicate clearly when you use anything from another person's work, even if only a phrase or a single keyword, by using quotations and cite the source.
- When summarizing or paraphrasing, distinguish clearly where the ideas of other end and your own comments begin.
- When using another person's ideas, credit the author by name and identify the work in which you found the idea.
- Err on the side of caution by giving credit whenever you suspect you are using information, other than general knowledge, from a source.
- If you are unsure if you are plagiarizing, it is your responsibility to consult with your teacher regarding the work before the assignment is due.

(Adapted from Write for College, published by Write Source.)

Consequences:

To see the consequences of plagiarism please refer to the Madras High School Student Handbook.

Understanding Your Transcript

Credits

Credits are the units by which academic progress is measured. Students may register for seven classes each semester. Each semester class successfully completed will earn one-half credit towards the 24 required for graduation. Each semester lasts eighteen weeks. Grades other than final semester grades serve as progress reports to students and parents and are not reflected on a student's official transcript.

Weighted Grades

Students graduating from Madras have both a simple grade point average (GPA) and a weighted GPA on their academic transcripts. "Weighting" a grade adds to the GPA value in certain courses. In the Madras system, grades of A, B, C, and D earned in weighted classes will earn an extra grade point. Therefore, an "A" in a weighted class yields 5 grade points (4 points for the "A" and 1 additional point as a weighted "bonus"), a "B" will yield 4 grade points, a "C" will yield 3 grade points, and a "D" will yield 2 grade points. A student's GPA is a number calculated using two factors: credits attempted and "grade points", which are awarded to letter grades. All Advanced Placement (AP) courses will be weighted.

	SEM 1	SEM 2	TRI 1	TRI 2	TRI 3	
15-16 MADRAS HIGH SCHOOL						CREDITS EARNED: 17.500
EL READING WORKSHOP S1	B 0.50					CREDITS ATTEMPTED: 17.500
LA ENGLISH 1 S1	B 0.50					CUM GPA (SIMPLE): 3.06
LA ENGLISH 1 S2		B 0.50				CUM GPA (WEIGHTED): 3.06
MA ALGEBRA 1 S1	B 0.50					RANK: 56 OF 147
MA ALGEBRA 1 S2		B 0.50				DIPLOMA TYPE: OREGON DIPLOMA
SC INTEGRATED SCIENCE S1	C 0.50					GRADUATION DATE:
SC INTEGRATED SCIENCE S2		B 0.50				
PE PE 1	A 0.50					ATTENDANCE
FA DRAWING/PAINTING	A 0.50					2013-2014
FA CERAMICS		A 0.50				DAYS PRESENT: 0.0
EL SUCCESS III	C 0.50					DAYS ABSENT: 0.0
FA AGRICULTURE SCIENCE AND TECH 1 S2		B 0.50				2014-2015
FA COMPUTER TECH		B 0.50				DAYS PRESENT: 0.0
EL SUCCESS STRATEGIES		A 0.50				DAYS ABSENT: 0.0
16-17 MADRAS HIGH SCHOOL						2015-2016
LA ENGLISH 2 S1	A- 0.50					DAYS PRESENT: 147.5
LA ENGLISH 2 S2		A- 0.50				DAYS ABSENT: 10.500
MA GEOMETRY S1	C+ 0.50					2016-2017
MA GEOMETRY S2		B 0.50				DAYS PRESENT: 143.000
SC BIOLOGY S1	C 0.50					DAYS ABSENT: 12.000
SC BIOLOGY S2		C 0.50				RECENT ENROLLMENT HISTORY
SS WORLD HISTORY S1	B+ 0.50					ENTRY DATE: 09/07/2017
SS WORLD HISTORY S2		B 0.50				EXIT DATE: 06/18/2018
HE HEALTH 1		B- 0.50				EXIT CODE:
PE SPORTS & GAMES	A 0.50					ENROLLMENT NOTES
FA ADVANCED SPANISH FOR SPANISH SPEAKERS S1	A- 0.50					
FA ADVANCED SPANISH FOR SPANISH SPEAKERS S2		B 0.50				COLLEGE CREDIT EARNED
FA ADVANCED CERAMICS	A 0.50					
FA ADVANCED DRAWING AND PAINTING		A 0.50				
17-18 MADRAS HIGH SCHOOL						
LA COLLEGE COMPOSITION 1 S1	C 0.50					
MA ALGEBRA 2 S1	C+ 0.50					
SC CHEMISTRY S1	A- 0.50					
SS US HISTORY S1	C 0.50					
PE SPORTS & GAMES	B 0.50					
FA INTRO. TO MANUFACTURING	B- 0.50					
FA INTRO. TO GRAPHICS & DIGITAL PHOTOGRAPHY	C+ 0.50					

The total number of credits earned and the cumulative GPA for the student.

Attendance History

Historical Grades

Progress on essential skills. State tests must be passed in order to graduate.

Type of credit assigned to the class (EL = Elective, LA = Language Arts, etc.)

OREGON ASSESSMENT OF ESSENTIAL SKILLS

READING: NOT MET
WRITING: NOT MET
MATH: NOT MET

CREDIT REQUIREMENTS

CREDIT TYPE	REQ.	COMP.	REM.
LA LANG. ARTS	4.00	2.50	1.50
MA MATH	3.00	2.50	0.50
SC SCIENCE	3.00	2.50	0.50
SS SOC. STUD.	2.50	1.50	1.00
GV GOV'T.	0.50	0.00	0.50
HE HEALTH	1.00	0.50	0.50
PE PHYS. ED	1.00	1.00	0.00
FA FINE ARTS/CTE/SECOND LANGUAGE	3.00	3.00	0.00
EL ELECT.	6.00	4.00	2.00
TOTAL	24.00	17.50	6.50

This table is a quick reference to see what credits are required, how many credits have been completed, and how many credits are still needed in each area for graduation.

Credit Categories

Students must earn the required number of credits in each category outlined in the **Graduation Requirements Credit Summary section (bottom right section)**. Each course at Madras is assigned to one of these categories, and this information can be found in the Course Description Guide.

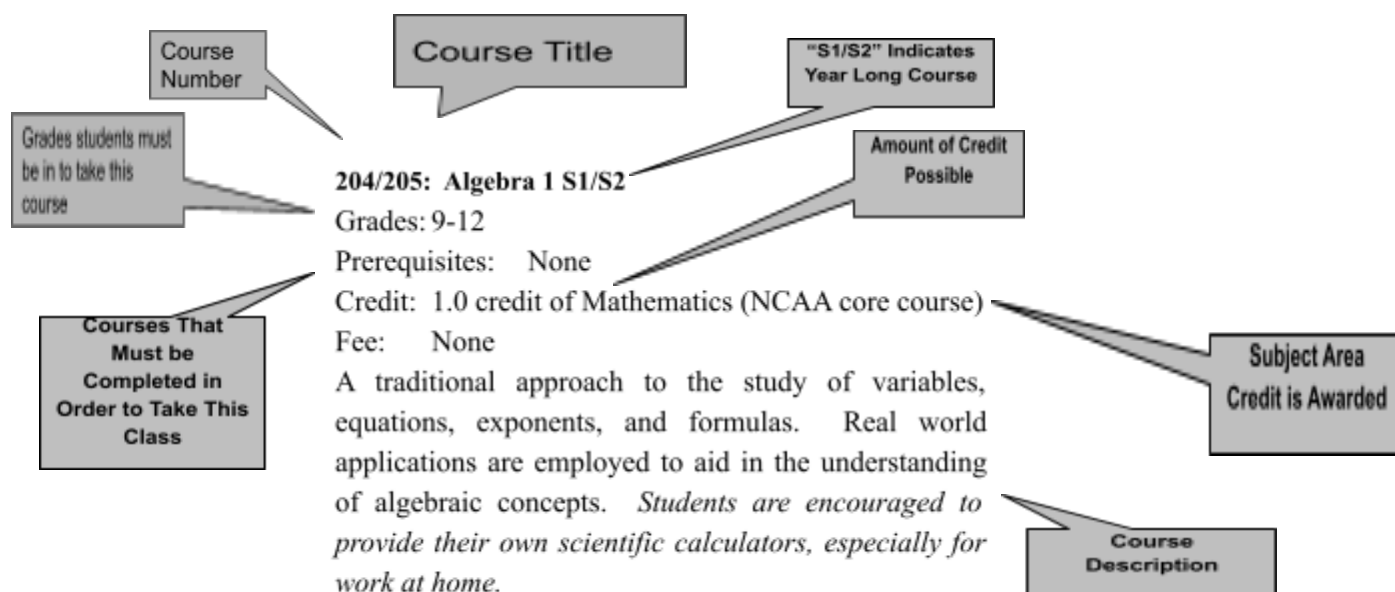
State Testing/Essential Skills Assessment

Statewide assessments are given in writing, reading, and mathematics. Students must demonstrate proficiency by passing each of these tests in order to graduate with an Oregon Standard Diploma. In some cases, work samples that meet standards may be used to meet graduation requirements for essential skills. Most students will take these tests in their junior year.

International Grades

Any passing grades earned through non-American schools outside the United States will automatically be converted to "Pass" grades on the Madras transcript. These grades will then have no impact on overall GPA.

Course Descriptions



Career Technical Education Programs

All Career and Technical Education (CTE) programs in this school district will be open to all students. The District will take steps to ensure that the lack of English language skills will not be a barrier to admission and participation in CTE Programs.

Agriculture Science and Technology

744/745: Ag. Science and Technology 1 S1/S2

Grades: 9-12

Prerequisites: None

Credit: 1.0 credit of Applied Arts

A course designed to introduce students to the flourishing industry of agriculture. Emphasizes career development, leadership, communications, soil science, tractor driving, plant science, animal science, parliamentary procedure, shop safety, welding, and supervised agricultural experience programs.

7500: Advanced Ag Science and Technology

Grades: 11-12

Prerequisites: Instructor Approval

Credit: .50 credit of Applied Arts

This is an independent class that involves management of the MHS landlab or independent work in the Ag. Shop. Students will maintain a record book where they record their time before school, after school and on weekends if applicable. Students will complete daily attendance maintenance activities related to the school animals, greenhouses, garden plots or Ag. Shop. 3 College credits are available.

752: Animal Science

Grades: 10-12; 9 with teacher approval

Prerequisites: None

Credit: 0.50 credit of Applied Arts *or* Science; dual enrollment credit available (Linn-Benton Community College)

Students will learn about livestock management, including animal reproduction, animal nutrition, and anatomy and physiology. Opportunities for field learning on live animals and field trips throughout the community seeing livestock in action. 3 College Credits Available

7522: Introduction to Veterinary Science

Grades: 11-12

Prerequisites: Ag. Sci. Tech. 1 S1/S2 *and* Animal Science This course is offered every other year and only S2

Credit: 0.50 credit of Applied Arts

Students will learn about anatomy, diseases, and handling of animals. Students will also learn to use correct terminology, medicine types, office processes, and other veterinary related experiences. We will visit veterinary facilities. 4 College Credits Available

748/7481: Agriculture Leadership S1/S2

Grades: 11-12

Prerequisites: Ag. Sci. Tech. 1 S1/S2

Credit: 1.0 credit of Applied Arts

This class is repeatable. This is an advanced agriculture class for juniors and seniors. Topics include agriculture issues, Ag. business. Ag communications, parliamentary procedure, and Ag. leadership. Students will be planning events, serving on committees and working in teams. This is a very independent class. 3 College Credits Available

743: Plant and Food Science

Grades: 10-12; 9 with teacher approval

Prerequisites: Ag. Sci. Tech. 1 S1/S2

Credit: 0.50 credit of Applied Arts *or Science Course is only offered S1*

Students will complete hands-on activities, projects and problems that simulate actual concepts and situations found in the food and safety industry, allowing students to build content knowledge and technical skills. Students grow their own food in the greenhouse or school garden, harvest and prepare. 3College Credits Available

7431: Greenhouse & Landscape Management

Grades: 11-12

Prerequisites: Ag Sci. Tech 1

Credit: 0.50 credit of Applied Arts *Course is only offered during S2*

This course is repeatable. Students will learn about the principles of greenhouse management, controlling environmental factors and influencing plant growth. We will be in the greenhouse every day working directly with plants, propagating, fertilizing, watering, planting. Students will grow and tend a school garden as well as landscaping projects. Be ready to travel throughout the community to see different management techniques. 3 College credits available.

7600: Small Gas Engines

Grades: 10-12

Prerequisites: None

Credit: 0.50 credit of Applied Arts

This course is repeatable. This course is designed to introduce students to small gasoline engines. Training will be provided for four-cycle engines and their electrical systems. Complete disassembly and reassembly of engines, troubleshooting, and engine inspection will be covered. Hands on labs make up 90% of class time. 3 College credits available.

821: School to Work/Agriculture Work Experience

Grades: 11-12

Prerequisites: Counselor approval and Instructor Approval Must be a member of the FFA

Credit: 0.50 credit of Electives

Students will meet with the instructor to develop a plan for supervised agricultural experience (SAE) project. The student and instructor will work together to form guidelines to meet the students goals for the SAE project. The student will apply for FFA District Proficiency with their SAE project. 3 College credits available.

Business Education

776: Intro to Business

Grades: 9-12

Prerequisites: None

Credit: 0.50 credit of Applied Arts

In this course, students will learn about the many facets of business. This class will focus on Business Ethics and Business Applications, and their place in today's business world. Students will learn a variety of leadership styles and understand the importance of ethical leadership roles and their economic impact. The business applications are practiced in a project-based learning environment. This class will also use technology at times to model the applications.

775: Personal Finance

Grades: 11-12

Prerequisites: None

Credit: 0.50 credit of Applied Arts

This course will give students the tools and resources needed to make wise financial decisions. Students will gain skill in financial areas such as money management, budgeting, financial goal attainment, uses of credit, and more. Using computer simulation students will experience real word scenarios and use strategies covered in the course to help them make sound financial decisions.

7762: Hospitality and Tourism Management 1

Grades: 9-12 This course is offered S2 only

Prerequisites: None

Credit: 0.50 credit of Applied Arts

This class is designed for students who want to explore careers in the hospitality and tourism industry. With a real business focus, this class explores careers in the HTR industry and its complexity and demands. This class will look to assist in fostering good relationships with local industry partners and preparing students for part-time and full-time job opportunities in the industry. The program emphasized the importance of high quality hospitality and customer service in maintaining a successful establishment.

7763: Hospitality and Tourism Management 2

Grades: 10-12 This course is offered S2 only

Prerequisites: Hospitality and Tourism Management

Credit: 0.50 credit of Applied Arts

This class is designed for students who want to go deeper into the exploration of careers in the hospitality and tourism industry. This class will look to focus on fostering good relationships with local industry partners and preparing students for part-time and full-time job opportunities in the industry. The program emphasizes high quality customer service in maintaining a successful establishment.

7830: Entrepreneurship 1

Grades: 10-12 This course is offered S1 only

Prerequisites: None

Credit: 0.50 credit of Applied Arts

The Entrepreneurial class introduces students to thinking outside of the box and getting out of their own comfort zone to learn concepts and techniques for planning and launching an innovative business and for developing new and innovative product ideas. With "learning by doing" as the goal, students will come up with a new business idea and create a business plan for that business. At the end of the semester, students will showcase their idea in a "Shark Tank" like setting.

7831: Entrepreneurship 2

Grades: 10-12 This course is offered S1 only

Prerequisites: Entrepreneurship 1

Credit: 0.50 credit of Applied Arts

The Advanced Entrepreneurial class builds from Entrepreneurship. Students will continue to get out of their own comfort zone to go deeper in the concepts and techniques for planning and launching an innovative business. With “learning by doing” as the goal, students will come up with a new business idea and create a business plan for that business.

7851: Business Leadership

Grades: 10-12 (freshman may take S2)

Prerequisites: Teacher Approval or FBLA Member

Credit: 0.50 credit of Applied Arts

This class is repeatable. Students will enhance their business knowledge in a self-directed manner. They will learn organization management skills, time management skills, time management employability, presentation skill, and customer service skills through working with the Buffalo Business Student Store.

7810: Intro to Marketing

Grades: 9-12 This course is offered S1 only

Prerequisites: None

Credit: 0.50 credit of Applied Arts

In this course, students will learn the basic marketing concepts relevant to all business operations. These concepts will be primarily focused in the Social Media and Digital Marketing fields. Students will use a variety of platforms to perform all types of marketing tasks. This class relies heavily on technology to mirror today's working environment. The concepts are taught through a series of hands-on activities and projects.

7821: Sports Marketing

Grades: 9-12 This course is offered S2 only.

Prerequisites: None

Credit: 0.50 credit of Applied Arts

Marketing in the exciting world of sports will be the focus of this class. Students will take the basic marketing concepts and apply them to all of the sports and activities offered by Madras High School. Working together in teams, they will learn how the design process, proposals, and final order systems work. This is a project-based class and students will learn time-management skills and how to meet deadlines.

821: School to Work/Business Work Experience

Grades: 11-12

Prerequisites: Counselor approval

Credit: 0.50 credit of Electives

On-site actual work by the student that is related to the curriculum of the student's occupational goal. Minimum requirements for 0.50 credit of work experience include 60 hours in the workplace and 5 assignments.

Construction Technology

7131: Construction Tech 1

Grades: 9-12
Prerequisites: None
Credit: 0.50 credit of Applied Arts
Fee: \$10.00 Consumable Supplies

This course introduces students to the basics of construction. Skills such as Project Planning, Print Reading, Measuring, Materials Identification, Safety, Tool & Machine Use, Teamwork etc... will be employed while building projects for themselves and others such as a Tile Top Deck Table and a Children's Playhouse

7132: Construction Tech 2

Grades: 9-12
Prerequisites: Construction Tech 1
Credit: 0.50 credit of Applied Arts
Fee: \$10.00 Consumable Supplies

Students will experience continued study of a variety of construction processes including concrete, electrical, plumbing, drywall, flooring etc... through hands-on projects. Safety, handling & selection of materials, job specific tool use etc... will be practiced as well.

7133/7134: Advanced Construction Tech S1/S2

Grades: 10-12
Prerequisites: Construction Tech 1 & 2 Teacher Recommendation
Credit: 1.0 credit of Applied Arts
Fee: \$10.00 Consumable Supplies

This Course is Repeatable. Students will expand on skills developed in Construction 1 & 2 by applying them to larger projects of their choice/design. Other topics not previously studied will be cabinet making, surveying, heavy equipment operation/excavation, project management etc... Great Attendance and work ethic are required in this course.

7200: Fundamentals of Electricity

Grades: 9-12
Prerequisites: None
Credit: 0.50 credit of Applied Arts

This course is designed to help students understand the basic principles behind the forces of electricity and how to control it to do useful work. DC and Digital Concepts will be heavily reinforced with hands-on laboratory experiments. The anatomy of electricity, circuit design, reading schematics, circuit construction, testing/analyzing circuits and troubleshooting faults are all part of the electronics technician's skill set. Safety around electricity and its hazards are studied in depth and strongly emphasized. Various sources of energy production, renewable & non-renewable will be investigated through research and experimentation. Electrical Careers will be explored as well.

7191: Computer Aided Design (CAD) 1

Grades: 9-12
Prerequisites: None
Credit: 0.50 credit of Applied Arts

CAD 1 Students will learn to use powerful modeling software (Autodesk Inventor) as a design tool to create solutions and prints that manufacturers will build from. Through project based learning, students will practice industrial standards that are required to document and communicate the design intent to meet client needs as well as production specifications. The design process, CAD modeling, 3-D printing, print reading and making, animations, presentations etc... are all part of the designer's tool box that will be filled in this course. Career Opportunities in design will also be explored.

7192: Computer Aided Design (CAD) 2

Grades: 9-12

Prerequisites: CAD 1 or Instructor Approval

Credit: 0.50 credit of Applied Arts

CAD 2 Students begin their Architectural experience in this class using Autodesk Revit to design a home. Understanding Architectural styles in residential construction and applying the principles and elements of design are key to creating a functional but visually appealing structure. The study and application of a variety of systems in the home such as the foundation, floor, walls, roof, electrical, plumbing and HVAC to name a few will be combined with green architecture concepts (LEED) to create a modern design for an affordable home. Students will model their designs using CAD and create building prints and a virtual walk-through for the client. Career Opportunities will be explored as well.

821: School to Work/Construction Work Experience

Grades: 11-12

Prerequisites: Counselor approval

Credit: 0.50 credit of Electives

On-site actual work by the student that is related to the curriculum of the student's occupational goal. Minimum requirements for 0.50 credit of work experience include 60 hours in the workplace and 5 assignments.

Graphic Design

7201: Intro to Graphics & Digital Photography

Grades: 9-12

Prerequisites: None

Credit: 0.50 credit of Applied Arts

Students will use Adobe Illustrator software to design and print their own t-shirts, notepads, posters, stickers, and many other items created in the graphic industry. The last three (3) weeks of the semester students will also explore the basic fundamentals of digital photography.

722: Advanced Graphics Tech

Grades: 9-12

Prerequisites: Intro to Graphics & Digital Photography

Credit: 0.50 credit of Applied Arts (honors enrichment class); dual enrollment credit available (Mt. Hood Community College)

This course is repeatable. Students will continue to build knowledge in the graphics field. They will develop an advanced understanding of Adobe Illustrator to design & create printed projects of their choosing, as well as printing for the school district and community organizations. Students will have the opportunity to receive 1 college credit through MHCC upon completion of this course.

724: Digital Photography

Grades: 9-12

Prerequisites: Intro to Graphics & Digital Photography

Credit: 0.50 credit of Applied Arts

Students will explore the fundamentals of digital photography including; auto and manual camera settings, lighting techniques, lens variety, and correct photo composition. Students will also learn how to use Photoshop to edit their photos. Students will be allowed to shoot indoors and outdoors around the school, as well as utilize a photo studio. There will also be opportunities to travel off campus.

7241: Advanced Digital Photography

Grades: 10-12

Prerequisites: Passing grade in Intro to Graphics & Digital Photography *and* Digital Photography

Credit: 0.50 credit of Applied Arts (honors enrichment course); dual enrollment credit available (Mt. Hood Community College)

This course is repeatable. Students will continue to build knowledge in the field of digital photography which includes camera techniques, photo analysis, composition, and photo manipulation in Adobe Photoshop. Students will be working with the instructor to select projects of interest that will help develop these advanced skills. Students will be allowed to shoot indoors and outdoors around the school, as well as utilize a photo studio. There will also be opportunities to travel off campus. Students will have the opportunity to receive 1 college credit through MHCC upon completion of this course.

821: School to Work/Digital Media Work Experience

Grades: 11-12

Prerequisites: Counselor approval

Credit: 0.50 credit of Electives

On-site actual work by the student that is related to the curriculum of the student's occupational goal. Minimum requirements for 0.50 credit of work experience include 60 hours in the workplace and 5 assignments.

Manufacturing and Engineering

718: Intro to Manufacturing

Grades: 9-12

Prerequisites: None

Credit: 0.50 credit of Applied Arts

Fee: \$10.00 Consumable Supplies

In this course students will learn the basics of welding. Students will focus on learning how to read a tape measure, arc welding, drill press, band saw, and plasma cutter. This class focuses on workplace readiness skills. Students will produce 2 individual projects and 1 group project.

7181: Manufacturing & Engineering 1

Grades: 9-12

Prerequisites: Pass Intro to Manufacturing with a C or better.

Credit: 0.50 credit of Applied Arts

Fee: \$10.00 Consumable Supplies

In this course students will continue learning about welding by using wire feed (MIG) welders. Students will learn how to read blueprints and build a project from a set of blueprints. Students will learn to design and cut with our CNC plasma table, and use it to build projects. Students will be expected to be proficient in reading and using a tape measure. Attendance and work ethic is vital for success in this class.

7182: Manufacturing & Engineering 2

Grades: 10-12

Prerequisites: Manufacturing 1 Passing with a C or better.

Credit: 0.50 credit of Applied Arts

Fee: \$10.00 Consumable Supplies

This class is repeatable. This class is project based. Students will continue to improve on their abilities as welders. Students will design and build their own projects, using a variety of tools and welding methods. Students **MUST** be proficient in reading a tape measure to be in class. Attendance and work ethic is vital for success in this class.

7183: CNC & Machining

Grades: 11-12

Prerequisites: Intro to Manufacturing *and*
Manufacturing & Engineering 1

Credit: 0.50 credit of Applied Arts

Fee: \$10.00 Consumable Supplies

This course is repeatable. In this course students will learn to run manuals lathes and mills. After completion of manual machining they will move on to CNC milling, CNC laser engraving, and CNC plasma cutting. Students will learn to identify and use precision measuring tools. Parts and projects will be built with a very tight tolerance, forcing students to constantly measure and check their work.

821: School to Work/Manufacturing Work Experience

Grades: 11-12

Prerequisites: Counselor approval

Credit: 0.50 credit of Electives

On-site actual work by the student that is related to the curriculum of the student's occupational goal. Minimum requirements for 0.50 credit of work experience include 60 hours in the workplace and 5 assignments.

Natural Resource

7350: Intro to Natural Resources

Grades: 9-12

Prerequisites: None

Credit: 0.50 credit of Applied Arts

This course is an introduction to the entire discipline of natural resources. Topics covered in the class will include sustainable forest management, land use, fisheries, wildlife, and outdoor recreation.

7380: Wildland Fire Science

Grades: 10-12

Prerequisites: Intro to Natural Resources

Credit: 0.50 credit of Applied Arts

Students will learn behavior of wildland fire and the various techniques used to fight fire. Students will become familiar with basic hand tool use and safety practices. This course will provide students the needed training for employment in the wildland firefighting field.

360: Science of Outdoor Recreation

Grades: 9-12

Prerequisites: None

Credit: 0.50 credit of Applied Arts

The Science of Outdoor Recreation is a course that will study the science of specific outdoor activities. Students will study aquatic entomology and then tie flies to mimic the stages of the common Central Oregon insects. Students will investigate Human Anatomy and Physiology and how it applies to wilderness emergency situations. Finally, students will study physics concepts and how they apply to modern fly fishing equipment and techniques. Students will then apply these concepts in the construction of their own fishing rod.

736: Fisheries and Wildlife Management

Grades: 10-12

Prerequisites: Intro to Natural Resources

Credit: 0.50 credit of Applied Arts

This class involves classroom and fieldwork. This is a great course for any student who is interested in the fish or wildlife field. Students will employ techniques used by fish and wildlife professionals in their daily routines. Skills emphasized will include data collection/surveying, monitoring, technical lab write-ups, and public speaking.

821: School to Work/Natural Resources Work Experience

Grades: 11-12

Prerequisites: Counselor approval

Credit: 0.50 credit of Electives

On-site actual work by the student that is related to the curriculum of the student's occupational goal. Minimum requirements for 0.50 credit of work experience include 60 hours in the workplace and 5 assignments.

Art

660: Art 1

Grades: 9-12

Prerequisites: None

Credit: 0.50 credit of Fine Arts

This beginning art class explores an array of art media as students gain a working knowledge of the Elements of Art. This class emphasizes beginning drawing and painting skills, and may explore some three-dimensional art media as well (graphite, ink, scratch-art, acrylic, tempera, watercolor, charcoal, pastels, clay).

661: Art 2

Grades: 9-12

Prerequisites: Art 1

Credit: 0.50 credit of Fine Arts

This intermediate art class expands into more advanced drawing, painting, and sculpting skills. Students will explore the Principles of Art as they experiment with personal style and various art media (graphite, ink, scratch-art, acrylic, tempera, watercolor, charcoal, pastels, clay).

644: Advanced Art

Grades: 10-12

Prerequisites: Art 1 & Art 2

Credit: 0.50 credit of Fine Arts (honors enrichment class)

This course is repeatable. This advanced art class supports advanced drawing, painting, and sculpting skills. Students will build their skill and personal style within the context of the world around them and the history of art. Experimentation, personal style, work ethic, and the building of an art portfolio are the goals of this class.

650: Advanced Ceramics

Grades: 10-12

Prerequisites: Art 1 & Art 2

Credit: 0.50 credit of Fine Arts (honors enrichment class)

This course is repeatable. This advanced art class supports advanced drawing, ceramics, and sculpting skills. Students will build their skill and personal style within ceramics, reflecting on the world around them and the history of art. Experimentation, personal style, work ethic, and the building of an art portfolio are the goals of this class.

Music

6240/6250: Concert Choir S1/S2

Grades: 9-12

Prerequisites: None

Credit: 1.0 credit of Fine Arts (honors enrichment class)

Concert Choir is the intermediate level vocal ensemble at MHS. Students will continue their mastery of music fundamentals, vocal technique, and ensemble singing. A variety of choral repertoire will be explored. Students are strongly encouraged to enroll in both semesters. Performances and concerts outside of class are required and attached to course grade.

6351: Music Lab

Grades: 9-12

Prerequisites: None

Credit: 0.50 credit of Fine Arts

This is a beginning music class that will focus on the fundamentals of music by introducing students to several instruments. Class will be project based with an emphasis on listening.

628/629: Symphonic Band S1/S2

Grades: 9-12

Prerequisites: Prior Instrument experience

Credit: 1.0 credit of Fine Arts (honors enrichment class)

Symphonic Band is the advanced band class at the high school, and students are expected to enroll in both semesters. Successful completion of Concert Band is normally required for enrollment. Students will continue to develop skill in tone production, intonation, rhythm, harmony, phrasing, and style. A variety of styles, forms, and music of different historical periods will be studied. Class is strongly geared towards daily participation. Concert performances outside regular class time are required.

6341/6342: AP Music Theory and Composition S1/S2

Grades: 10-12

Prerequisites: Teacher Approval, 1 year of Symphonic Band or Chamber Choir

Credit: 1.0 credit of Fine Arts

This class is designed to provide rigorous training for students. Emphasis will be given to the subject areas covered by the Advanced Placement exam. Topics covered will include key signatures, scales, intervals, chord analysis, rhythmic dictation, four-part harmonic structure, contrapuntal writing, rudimentary piano keyboard skills, and common composition techniques. This course will be offered every other year.

6221/6231: Chamber Choir S1/S2

Grades: 10-12

Prerequisites: One year of Concert Choir or Audition

Credit: 1.0 credit of Fine Arts

This class is the advanced vocal ensemble and will focus on vocal technique, music theory, and higher-level literature. The students will sing a mixed repertoire of music, including historically meaningful selections, choral standards, and contemporary works. A major component of the class will be “a capella”. The group will perform a minimum of 3 concerts with additional appearances at the Tri-Valley vocal contests. Students are expected to enroll both semesters.

6301/6302: Percussion Techniques

Grades: 9-12

Prerequisites: None

Credit: 0.50 credit of Fine Arts

This class is performance based and will cover a wide range of percussion methods and repertoire. This class serves as the primary rehearsal block for the MHS Drumline. A focus will also be given to snare drum rudiments and concert technique for various percussion instruments including mallets (marimba, xylophone, vibraphone), timpani, bass drum, and drum set. Concerts and performances outside of class with the band and choir programs will be required. Percussion ensembles have the opportunity to compete at the district and state competitions.

140: Theatre I

Grades: 9-12

Prerequisites: None

Credit: .50 credit of Fine Arts

This class will provide fundamental training and historical context for the art of theatre and dramatic performance. Subjects to be covered include: vocal production for the stage, theatre terminology, stagecraft basics, acting, memorization technique, and body movement/dance. An emphasis will be placed on historical plays (Shakespeare, etc). Individual and group in-class performances will be required. Participation in the MHS Fall Play (after-school rehearsals) will be strongly encouraged.

141: Theatre II

Grades: 9-12

Prerequisites: Theatre I or Instructor Approval

Credit: .50 credit of Fine Arts

This class will build upon the skills and knowledge gained in Theatre I. An emphasis will be placed on musical theatre, and will include individual and group vocal performance, to be selected from the standard Broadway repertoire. The class will include public performance, and seek opportunities to observe regional and/or professional theatre productions. Students will be expected to participate in the MHS Spring Musical (after-school rehearsals). Group presentation at the Oregon High School State Festival for actors is a possibility.

Second Language

Second Language is not required for high school graduation. Spanish fulfills the Fine Arts or Elective requirements. Two years of a single foreign language (Spanish 1/2) or one year of Level Three (Advanced Spanish) is required for admission to and graduation from most four-year colleges. Most community colleges have no second language requirement. All courses in the Spanish Department are standards-based and involve performance assessments.

602/603: Spanish 1 S1/S2

Grades: 10-12 Freshman with teacher approval

Prerequisites: No heritage speakers of Spanish

Credit: 1.0 credit of Foreign Language (NCAA core course)

Students will learn basic communication in Spanish as well as a basic understanding of Hispanic/Latino culture. The fundamentals of listening, speaking, reading, and writing are stressed. Rigorous focus on long-term language acquisition. Classwork requires active, attentive, and persistent participation (i.e., speaking) in group and partner settings. Class members will be expected to actively participate in a variety of experiences including speaking tests. It is strongly recommended that students pass Semester 1 with a C or better to continue with Semester 2.

604/605: Spanish 2 S1/S2

Grades: 10-12

Prerequisites: Spanish 1; no heritage speakers

Credit: 1.0 credit of Foreign Language (NCAA core course)

Rigorous focus on long-term language acquisition, with emphasis on spoken and impromptu language use. Classwork requires active, attentive, and persistent participation (i.e., speaking) in group and partner settings. Grammar patterns and skill building are continued in all four areas of language (listening, speaking, reading, and writing). Cultural history and geography are presented in a variety of activities. It is strongly recommended that students pass Semester 1 with a C or better to continue with Semester 2. This course is performance based.

606/607: Advanced Spanish S1/S2

Grades: 11-12

Prerequisites: Spanish 2 (hispanohablante)

Credit: 1.0 credit of Foreign Language (honors enrichment class-2 semesters, NCAA core course)

This class is designed for the college-bound student. Rigorous focus on long-term language acquisition, with emphasis on spoken and impromptu language use. Classwork requires active, attentive, and consistent participation (i.e., speaking) in group and partner settings. The focus of the class is the exploration of Hispanic/Latino culture and literature in Spanish. Development of the four language skills (listening, speaking, reading, and writing). Students will be expected to collaborate with each other to bring their personal strengths in Spanish to the group. Grading is based on each student's portfolio of evidence. Students with dual enrollment with AVANZA. Up to four terms may be taken for credit.

6101/6102: Advanced Spanish for Spanish Speakers S1/S2

Grades: 9-12

Prerequisites: Heritage Speakers of Spanish

Credit: 1.0 credit of Foreign Language

This course is designed to help native speakers of Spanish improve their language skills with emphasis on Reading and Writing. Topics may include art, poetry, Latin American history, short stories, film or current issues. Students should improve their language skills by at least one ACTFL (National Standards for Language) level. Most assessments will be in the form of written composition or presentations. Assessments are graded based on students' dual enrollment in AVANZA.

Health

514: Health 1

Grades: 10-11

Prerequisites: None

Credit: 0.50 credit of Health

The goal of this required class is to improve knowledge regarding personal health. Emphasis is placed on mental health, stress management, communicable and noncommunicable disease, STI's, reproduction, male and female reproductive anatomy, pregnancy, pregnancy prevention, addiction, as well as tobacco, alcohol, medications and other drugs. Students will also work on note-taking, advocacy skills and research during this course.

515: Health 2

Grades: 11-12

Prerequisites: Health 1

Credit: 0.50 credit of Health

The goal of this required class is to improve knowledge regarding personal health. Emphasis on nutrition, cooking, physical health, fitness concepts, social health relationships, parenting and life span topics. Students will also work on note-taking, advocacy skills, and research during this course.

5152: Health 2: Intro. to Health Occupations

Grades: 11-12

Prerequisites: Health 1; teacher signature required

Credit: 1.0 credit of Health *or* Electives

Fee: \$30 fee paid to St. Charles Healthcare

This class is a block class and will always be Semester 2 during 1st and 2nd periods. This course also has a fee of \$ 30 (or \$ 50 if 18+ y.o.). The goal of this course is to expose students to the world of health professions. Students who take this course are required to enroll for two class periods in a row, and be able to drive themselves to their job shadow locations. Students will participate in job shadowing at the hospital and in the community at different health related businesses. Students will research the career of their choices.

Physical Education

525: Walking for Success

Grades: 9-12

Prerequisites: None

Credits: 0.50 credit of Physical Education

This course is designed for students to improve cardiovascular fitness through walking. Students will be expected to walk 10-15 miles per week. This class is outdoors, therefore, students should be prepared to walk in any type of weather.

5061: Strength and Conditioning

Grades: 9-12

Prerequisites: None

Credits: 0.50 credit of Physical Education

This class will provide an opportunity for development of strength and conditioning for various sports and fitness activities. Free weights and condition activities will be incorporated to promote improvement in strength, endurance, balance, agility, power and speed. Students will also participate in agility, plyometric and speed conditioning activities.

526: Sports and Games 1

Grades: 9-12

Prerequisites: None

Credits: 0.50 credits of Physical Education

Sports and Games is a highly competitive game class where students will be playing various team, individual and dual sports in a competitive tournament setting. The course focuses on gameplay, and fitness. The fitness component to class includes student fitness testing and workouts. Block days combine both sport activities and numerous workouts including cardiovascular fitness, resistance training, plyometric training and High Intensity Interval Training (HIIT).

527: Sports and Games 2

Grades: 9-12

Prerequisites: Fitness for Life, Intro to Strength & Conditioning, or Walking for Success

Credits: 0.50 credits of Physical Education

Students will participate in the following activities: fitness testing, floor hockey, matball, team handball, shuffleboard, Roundtable, horseshoes, bocce, ladder golf, softball, golf, tennis, disc golf, dodgeball, tag, capture the flag, and track-n-field.

5065: Cross Training

Grades: 9-12

Prerequisites: None

Credits: 0.50 credits of Physical Education

This class will develop endurance strategies into strength and condition concepts. This will happen through high intensity interval training through cardio boxing, plyometrics, weight training, long distance running, and short distance sprint work. Students who take this class will be better prepared for their fitness goals and promote strength, endurance, balance, agility, discipline, and speed.

Early Childhood Education

S695: Guiding and Supporting Young Children

Grades: 10-12

Prerequisites: Completion of .5 credit in ECE Pathways or Teachers Approval

Credit: .50 credit of Fine/Applied Art/College Credit

This class will focus on observation and assessment of children in the preschool classroom. Students will use information from the observation and assessments to make lesson plans, program development, and the environment.

S696: Creating Adventures with Movement, Music and Art

Grades: 9-12

Prerequisites: None

Credit: .50 Fine/Applied Art/College Credit

This course focuses on understanding and implementing a developmental approach to movement, music and visual arts.

This class will provide opportunities for students to work with young children ages 3-10. Students will write and implement lesson plans that support movement, music and visual arts in ECE. This class is a prerequisite for Cadet Teaching (peer tutor)

S697: Teacher Cadet

Grades: 11-12

Prerequisites: Completion of .5 credit in ECE Pathway or Teacher Approval

Credit: .50 credit of Fine/Applied Art/College Credit

Students learn the history and trends of education, learn about themselves and others in the class through awareness and reflection, observe teachers and prepare lessons after identifying teaching practices, and evaluate the aspects of the teaching profession. Students evaluate the aspects of teaching professions and develop their personal philosophy of education.

S698: Careers in Education

Grades: 9-12

Prerequisites: None

Credit: .50 Fine/Applied Art/College Credit

This is a beginning course in early childhood education. Students will learn about different career opportunities with a degree in ECE. We will explore the history of ECE. As well as looking at the primary theories of early childhood development and education.

S699: Learning through Play and Exploration

Grades: 9-12

Prerequisites: None

Credit: .50 Fine/Applied Arts/College Credit

This class will focus on the development of children newborn- 8 years. Students will explore and learn how to develop developmentally appropriate activities. Students will gain an understanding of how different influences and environments affect the learning environment.

865: TPP Child Care Center Teacher Assistant

Grade: 10-12

Prerequisites: Completion of .5 credit in ECE Pathway or Teacher Approval

Credit: 0.50 Pass/Fail credit of Electives

This course is repeatable. Students should be 16-17 years old. Students must love to work with kids ages 6 weeks to 5 years. Other skills/assets: ability to work with others, good attendance, and desire to gain experience in a professional childcare setting. Having childcare or babysitting experience is a plus but not a requirement.

S8221: 21st Century Internship

Grades: 10-12

Prerequisites: Previously taken ECE Class and Teacher Approval

Credit: .50 Pass/Fail credit of Electives

Students will work onsite at the after school 21 Century program assisting teachers with lesson plans and helping elementary students K-8th grade in a variety of activities. Minimum requirements for .50 credits for internship includes 60 hours in the workplace and 9 assignments.

Additional Electives

804/805: JROTC 1 S1/S2

806/807: JROTC 2 S1/S2

808/809: JROTC 3 S1/S2

810/811: JROTC 4 S1/S2

Grades: 9-12

Prerequisites: None for JROTC 1; passing grade required before advancing to next level

Credit: 1.0 credit of Electives

This Program of Instruction (POI) focuses on the development of better citizens through the instruction of skills in leadership, citizenship, life success, geography, and wellness in a structured, interactive environment. The program intends to teach cadets to: appreciate the ethical values and principles that underlie good citizenship; develop leadership potential while living and working cooperatively with others; be able to think logically and to communicate effectively with others, both orally and in writing; appreciate the importance of physical fitness in maintaining good health; understand the importance of high school graduation for a successful futures, and learn about college and other advanced education and employment opportunities; develop mental management abilities; become familiar with military history as it relates to America's culture, and understand the history, purpose, and structure of the military services; and develop the skills necessary to work effectively as a member of a team.

S830: JROTC Drill Team and Ceremony

Grades: 11-12

Prerequisites: JROTC Base Course at time of enrollment, instructor approval; ability to march for long periods of time; excellent attendance history; students **must** participate in competitive weekend events during the fall semester. This program of instruction focuses on the development of better citizens through instruction in leadership focusing on instilling discipline, alertness and attention detail through Drill and Ceremony. Student Cadets will have the opportunity to travel throughout the Cascade Mountain region competing in multiple Drill and Ceremony marching categories including: Color Guard, Armed and Unarmed Drill. This group of Students will also have multiple opportunities to support the Madras community ranging from leading parades in the city, to presenting the National Colors at high school sporting events.

S835: JROTC Fundamentals of Marksmanship

Grades: 9-12

Prerequisites: JROTC Base Course at time of enrollment, instructor approval, ability to assume prone and kneeling firing positions and excellent attendance history, students **must** participate in competitive weekend events during the fall semester

Credit: 0.50 credit of Electives

Student Cadets will be instructed by certified JROTC Marksmanship Instructor Training Course (JMIC) instructors on the fundamentals of marksmanship with an emphasis on safety. The complex skills taught in the course concern the precision and accuracy of aiming, controlling and firing rifles at difficult targets. A high degree of muscle-nervous system coordination must be developed through practice in order to do this well and with consistency. The single shoot, 4.5mm (.177 caliber) air rifles used are the same as the rifles used at the collegiate level and offer our participants an upper hand in competing for scholarships in the marksmanship arena. Student Cadets enrolled in this course will have the opportunity to travel throughout the Cascade Mountain region competing in multiple air rifle marksmanship competitions under the close supervision of MHS JMIC instructors. All participants will learn the fundamentals of firing from prone, standing and kneeling positions in the on campus safe indoor range. All participants will complete safety training, safety exam and the Cadet Safety Pledge prior to being allowed on the range.

134/135: Yearbook Editor S1/S2

Grades: 10-12

Prerequisites: Yearbook and Leadership, teacher invitation

Credit: 1.0 credit of Applied Arts (honors enrichment class)

This is a class for self-directed students who are willing to take on a leadership role in overseeing development and completion of the *Hi-Sage Yearbook*. 5 hours of photographing events required per semester. Yearbook Editors must be able to get along with others, structure their time well, meet deadlines, and produce quality work. 20 hours of volunteer work with activities organized through leadership is required (10 per semester).

1321/1331: Yearbook and Leadership S1/S2

Grades: 9-12

Prerequisites: Application and teacher recommendations

Credit: 1.0 credit of Applied Arts

While ASB/student leadership officers are strongly encouraged to enroll in Yearbook and Leadership, this is open to any student who wishes to apply and be recommended for it. This is a class for self-directed students who are able to get along with others, structure their time, be good role models and leaders, and be responsible for the completion of assigned projects. Students will be responsible for planning pep assemblies and creating other activities to promote a positive school climate (food drive, blood drive, spring fling, etc.). Students are also responsible for development and publication of the *Hi-Sage Yearbook*. 20 hours of volunteer work with activities organized through Leadership. Skill and/or aptitude in writing, design, or photography is a plus, but students can contribute at all levels. Selling of ads and promotion of *Yearbook* sales are required.

7001/7002: AVID 1 S1/S2**7004/7005: AVID 2 S1/S2****7006/7007: AVID 3 S1/S2****7009/7010: AVID 4 S1/S2**

Grades: 9-12

Prerequisites: Application required

Credit: 1.0 credit of Applied Arts

AVID is Advancement Via Individual Determination. This elective class is designed to foster encouragement and support for those students who, although may desire to attend college, need extra academic, career-planning, and even emotional support. AVID students learn organizational and study skills, work on critical thinking and asking probing questions, get academic help from peers tutors, and participate in enrichment and motivational activities (guest speakers, college and career exploration, etc.) that make college seem attainable.

7003: AVID Tutor

Grades: 11-12

Prerequisites: None

Credit: 0.50 credit of Electives

This is a peer tutor class. The tutors will work with AVID students and help them in classes and organization skills. They may also discuss strategies to stay on top of school work, studying habits, etc. Interested students should talk with their counselor, administrator, or Mrs. Schongalla in Room 3. Must have good attendance and be willing to lead small groups.

814: Teen Parenting Lifeskills

Grades: 9-12

Prerequisites: Teacher signature required

Credit: 0.50 Pass/Fail credit of Electives

This course is repeatable. A life skills class for pregnant and parenting teens. This class offers a supportive environment to students who balance parenthood and school. The class content is based on the needs of the individual student with a strong focus on positive parenting, pre/post-natal health for parent and child, community resources, and building strong families and healthy relationships.

817: Office Assistant

Grades: 11-12

Prerequisites: Administrative signature required

Credit: 0.50 Pass/Fail credit of Electives

Students will perform various duties as assistants in the Main Office or Student Services, including copying, sorting and delivering mail, and delivering messages.

816: Teacher Assistant

Grades: 11-12

Prerequisites: Teacher approval

Credit: 0.50 Pass/Fail credit of Electives

Students will perform various duties to assist the teacher including making copies, sorting assignments, and helping students.

821: School to Work/General Work Experience

Grades: 11-12

Prerequisites: Counselor approval

Credit: 0.50 Pass/Fail credit of Electives

On-site actual work by the student that is not related to the curriculum of the student's occupational goal, but which is coordinated by school staff and is approved in advance with the STW Coordinator. Minimum requirements for 0.50 credit of work experience include 60 hours in the workplace and 5 assignments.

822: School to Work/Internship

Grades: 11-12

Prerequisites: Counselor approval

Credit: 0.50 Pass/Fail credit of Electives

Students choose and are placed in a local business where they explore a career area of interest, learn basic transferable work skills, and gain additional information for planning their next job or career step after high school. Minimum requirements for 0.50 credits for internship include 30 hours in the workplace.

8203: School to Work/Life Skills Mentor

Grades: 11-12

Prerequisites: Counselor approval

Credit: 0.50 Pass/Fail credit of Electives

Mentors will provide support to students with disabilities in the school and community. As a mentor you will be provided with a variety of rewarding responsibilities and experiences. This course helps prepare students who are considering a future career in human/social services, psychology, education, special education, counseling and related fields.

CORE CLASSES

Core classes are designed to fulfill the requirements set by the state of Oregon for graduation as determined by each individual student's diploma type. Placement in Advanced or College level courses is based on teacher recommendations and/or historical academic progress; however, if a student wishes to enroll in one of these courses, they may talk with their counselor for a placement change.

Language Arts

190/191: English 1 S1/S2

Grades: 9
Prerequisites: None
Credit: 1.0 credit of Language Arts (NCAA core course)

English 1 is a course that provides a foundation for the further study of Language Arts as defined by the Common Core State Standards. The emphasis is on reading and analyzing literature and informational text, and on writing narratives and essays of various types. Students will study grammar, sentence structure, organization, description, thesis statements, citing evidence, and various modes of writing. They will read various types of texts in order to determine the author's point of view and purpose, to analyze the meaning, and to cite evidence from the text. Students will also review concepts such as plot, character, theme, setting, and figurative language. This class utilizes Standards Based Education wherein students earn credit by demonstrating that they are proficient at the various skills of analyzing and writing text.

1900/1901: English 1 Enriched S1/S2

Grades: 9
Prerequisites: Placed based on agreed upon available data
Credit: 1.0 credit of Language Arts (NCAA core course)

English 1 Enriched is a course designed to meet the standard curriculum goals of the English Department while also providing more breadth and depth of literature and writing for those students who are motivated and desire a greater academic challenge. The course focuses on perfecting techniques in various modes of writing (e.g., narrative, persuasive, and expository) and on deeper analysis of literary elements in novels, drama, and poetry. Students taking this course should expect a substantial amount of out-of-class reading and writing as well as having meaningful discussions and debates in class. This class utilizes Standards Based Education wherein students earn credit by demonstrating that they are proficient at the various skills of analyzing and writing text.

192/193: English 2 S1/S2

Grades: 10
Prerequisites: English 1
Credit: 1.0 credit of Language Arts (NCAA core course)

English 2 is a course where students will focus on strengthening reading, writing, listening, speaking, and critical thinking skills. Throughout the course, students will concentrate on reading comprehension, vocabulary, the writing process and the four modes of writing—narrative, expository, persuasive, and imaginative, as well as poetry, grammar, various literary devices, and literary elements using short stories, novels, and drama. During both semesters, teachers will use the Standards Based Education model wherein students earn credit by demonstrating that they are proficient at the various skills of analyzing and writing text.

1902/1903: English 2 Enriched S1/S2

Grades: 10

Prerequisites: Enriched English 1 recommended. If a student earned a grade of “C” or lower in previous English class he or she is strongly advised to meet with the course instructor.

Credit: 1.0 credit of Language Arts (NCAA core course)

English 2 Enriched is an accelerated course designed to prepare students for advanced classes offered during the 11th and 12th grade years. This course will be structured around the Common Core State Standards for English Language Arts for the 11-12th grade levels as part of the acceleration. During the course, students will demonstrate proficiency in English Language Arts Standards in Reading Literature, Reading Informative, Writing, and Speaking and Listening. Students will demonstrate proficiency in these standards by reading and interacting with texts from English and American literature from various literary periods. English 2 Enriched is taught using Standards Based Education wherein students earn credit by demonstrating that they are proficient at the various skills of analyzing and writing text.

194/195: English 3 S1/S2

Grades: 11

Prerequisites: English 2

Credit: 1.0 credits of Language Arts (NCAA core course)

English 3 is a survey course in American literature focusing on major writers who have contributed—and continue their contribution—to American literature, as well as the contributions of multicultural writers. Students will develop their own reading, writing, listening, speaking, and critical thinking skills by completing a variety of writing assignments, daily work, and special projects. Throughout the course, students will study American literature in the context of American history, religion, and thought. This class utilizes Standards Based Education wherein students earn credit by demonstrating that they are proficient at the various skills of analyzing texts, both fiction and non-fiction, and in writing their own pieces.

196/197: English 4 S1/S2

Grades: 12

Prerequisites: English 3

Credit: 1.0 credit of Language Arts (NCAA core course)

English 4 is a course designed to prepare students for further study and life after high school. The course is structured using Common Core State Standards for 11th-12th Grade English Language Arts. These standards include Reading Literature, Reading Informative Text, Writing, and Speaking and Listening. Students will demonstrate proficiency in these standards by reading and interacting with texts from English and American literature from many literary periods. English 4 is structured using the Standards Based Education wherein students earn credit by demonstrating that they are proficient at the various skills.

185/186: College Composition 1 S1/S2

Grades: 11-12

Prerequisites: At least one passing work sample on file. If a student earned a grade of “C” or below in previous English class he or she is strongly advised to meet with the course instructor.

Credit: 1.0 credit of Language Arts (honors core class, NCAA core course); dual enrollment credit offered (Central Oregon Community College)

This is a college-level course concentrating on the practice of writing skills, with a special emphasis on writing analytically, usually about texts. Students will learn to adapt their writing processes to the rhetorical constraints of academic writing. This course will include argumentative and research synthesis writing. Designed for highly motivated individuals who wish to pursue a college degree.

187/188: College Composition 2 S1/S2

Grades: 12

Prerequisites: At least one passing work sample on file. If a student earned a grade of “C” or below in previous English class he or she is strongly advised to meet with the course instructor.

Credit: 1.0 credit of Language Arts (honors core class, NCAA core course); dual enrollment credit offered (Central Oregon Community College)

Students will identify, evaluate, and construct chains of reasoning, a process that includes an ability to distinguish assertion from evidence, recognize and evaluate assumptions, and select sources appropriate for a rhetorical task. Students will employ a flexible, collaborative, and appropriate composing process, working in multiple genres, and utilizing at least two modalities. Students will produce 3500-4500 words of revised, final draft copy or an appropriate multimodal analog for this amount of text. If the focus is primarily multimodal, students will produce at least one essay of a minimum of 1500 words, demonstrating competence in both research and academic argumentation.

Language Arts Interventions

110/111: English 101 S1/S2

Grades: 11-12

Prerequisite: Failing grade in previous English class

Credit: 1.0 credit of Language Arts

English 101 is a credit recovery course designed to allow students to strengthen skills in Language Arts and to make up unearned credits. The course is organized topically and subject to change from year to year. Possible topics include Native American Literature, History, and Current Issues; Mythology; Drama and Film; or Creative Writing amongst others. English 101 also focuses on completion of Essential Skills work-samples in both Reading and Writing. Successful completion of English 101 fulfills graduation credit requirements for English/Language Arts.

1592/1593: Reading Workshop S1/S2

Grades: 9-12

Prerequisites: *By placement only*; reading level test scores.

Credit: 1.0 credit of Electives

This course is designed to help students acquire necessary reading skills by focusing on comprehension and fluency. It covers reading skills and strategies using several genres, test-taking skills, and state assessment strand data to help prepare students to demonstrate the Essential Skill of Reading (as defined by the Oregon Department of Education). Students will be simultaneously enrolled in a Language Arts class.

1590/1591: Reading Strategies S1/S2

Grades: 9-12

Prerequisites: *By placement only*; reading level test scores.

Credit: 1.0 credit of Electives

This course is designed to help students acquire foundational reading skills and strategies using several genres. It focuses on reading decoding skills through explicit phonics instruction. Test-taking skills to help prepare students to demonstrate the Essential Skill of Reading (as defined by the Oregon Department of Education) are also covered. Students will be simultaneously enrolled in a Language Arts class.

1234/1235: ELD Emerging S1/S2

Grades: 9-12

Prerequisites: By placement only; ELPA screener score of Emerging or Oregon English Language Proficiency Assessment (ELPA) score of Emerging

Credit: 1.0 credit of Electives

English Language Development courses are designed to help students acquire academic proficiency in all domains of the English language (reading, writing, listening, and speaking). At this level students gain familiarity with the sounds, rhythms, and patterns of English. Teachers introduce the following language standards: constructing meaning from oral presentations and written text; academic conversations; public speaking; writing claims and supporting them with reasons and evidence; conducting research; analyzing arguments; adapting language to purpose, task and audience; vocabulary development; creating clear and coherent grade-appropriate speech and text; and using standard English to communicate.

1230/1231: ELD Progressing S1/S2

Grades: 9-12

Prerequisites: By placement only; ELPA screener score of progressing or Oregon English Language Proficiency Assessment (ELPA) score of progressing

Credit: 1.0 credit of Electives

At this early advanced stage, students respond with detail in compound and complex sentences. Students continue working on the following language standards at this level. Oral presentations and written text; academic conversations; public speaking; writing claims and supporting them with reasons and evidence; conducting research; analyzing arguments; adapting language to purpose, task and audience; vocabulary development; creating clear and coherent grade-appropriate speech and text; and using standard English to communicate.

Mathematics

2501/2052: Algebra Foundations S1/S2

Grades: 9-12

Prerequisites: None

Credit: 1.0 credit of Mathematics (NCAA core course)

Algebra Foundations is a preparation course for Algebra 1. It will focus on pre-algebra skills and go in-depth on a select number of the essential standards from Algebra 1, specifically solving equations, graphing linear equations, and using function notation.

204/205: Algebra 1 S1/S2

Grades: 9-12

Prerequisites: None

Credit: 1.0 credit of Mathematics (NCAA core course)

A traditional approach to the study of variables, equations, exponents, and formulas. Real world applications are employed to aid in the understanding of algebraic concepts.

206/207: Geometry S1/S2

Grades: 9-12

Prerequisites: Algebra 1 or teacher recommendation

Credit: 1.0 credit of Mathematics (NCAA core course)

The course reinforces and extends knowledge of algebra through application of traditional geometry. Real world applications are provided throughout. *Students are encouraged to provide their own scientific or graphing calculators, especially for work at home.*

244/245: Financial Algebra S1/S2

Grades: 10-12

Prerequisites: Algebra 1 or teacher recommendation

Credit: 1.0 credit of Mathematics

Financial Algebra is a course that explores topics that relate to money and financial responsibility. This course discusses ideas including employment and taxes investments, savings, buying houses and cars. These ideas are presented with the mathematics that is necessary to be prepared for the fiscal world.

208/209: Algebra 2 S1/S2

Grades: 9-12

Prerequisites: Algebra 1

Credit: 1.0 credit of Mathematics (NCAA core course)

A traditional approach to the study of linear, quadratic, exponential, logarithmic, trigonometric, and polynomial functions. Real world applications are used to develop and clarify function concepts. *Students are encouraged to provide their own or check out a graphing calculator, especially for work at home.*

210/211: Functions/Trigonometry S1/S2

Grades: 10-12

Prerequisites: Algebra 2

Credit: 1.0 credit of Mathematics (honors core class; NCAA core course); dual enrollment credit offered (Central Oregon Community College)

Review of advanced algebra topics. Includes the study of functions and their solutions. The course integrates the use of graphing calculators into the processes. Exponential and logarithmic functions are included. This first part of the course corresponds to college algebra. The study of trigonometry follows. Includes trig functions and their graphs. Applications to problem solving including trig identities. *Students are required to have their own graphing calculators.*

212/213: AP Calculus S1/S2

Grades: 12

Prerequisites: Functions/Trigonometry/ Pass AP exam for credit.

Credit: 1.0 credit of Mathematics (honors core class, NCAA core course); receives weighted grade.

Provides a background in calculus needed for those students entering college with a major related to or requiring college calculus. Covers graphs, functions, and limit theory, derivatives and integrals and their applications, inverse functions, techniques of integration, and sequences and series. *Students are required to have their own graphing calculators.*

Science

300/301: Integrated Science S1/S2

Grades: 9

Prerequisites: None

Credit: 1.0 credit of Science (NCAA core course)

This is a course with an emphasis on introducing students into the areas of chemistry and physics. Methods used to promote learning include lab investigation and the scientific process, lecture, and text assignments. The course follows a logical sequential path tied together through homework, laboratory work and exams.

304/305: Biology S1/S2

Grades: 9-10

Prerequisites: Integrated Science or Teacher Rec.

Credit: 1.0 credit of Science (NCAA core course)

Students will learn about the building blocks of life, the common biological threads that all living organisms have in common, and the scientific processes necessary to sustain life. Students will have the opportunity to explore a wide variety of living organisms and their relationship to the environment. Furthermore, students will develop an understanding man's relationship to his place in nature through current event research and discussion. Finally, this class includes a laboratory component and will thus focus on the development of basic laboratory skills including the use of a microscope.

310/311: Chemistry S1/S2

Grades: 10-11

Prerequisites: Biology

Credit: 1.0 credit of Science (NCAA core course)

Students will be introduced to the reasons we believe in atoms and in molecules by looking at the properties of solids, gases, and liquids. Students will develop an understanding of the unique properties of elements and how they react with one another. Computers will be used extensively in the laboratory. This course is necessary for anyone considering a career in the health care industry.

350/351: AP Chemistry S1/S2

Grades: 11-12 AP

Prerequisites: Chemistry and Instructor approval
NCAA Approval

Credit: 1.0 credit of Science (honors core class, NCAA core course)

Chemistry is a vigorous course designed to meet the requirements of a college freshman level chemistry course. The grade you earn on the optional AP Chemistry Exam in May determines whether you may receive 15 college credits from cooperating colleges and universities. Please note: Time outside of normal class hours may be needed to complete labs.

314/315: Physics S1/S2

Grades: 11-12

Prerequisites: Biology/Chemistry

Credit: 1.0 credit of Science (NCAA core course)

This course introduces students to the basic concepts of Physics. Students will study Newton's 3-Laws in addition to motion, forces, collisions, waves, and light. This course will apply scientific concepts with math. This course is more hand-on and lab based than previous science courses. Experiments will include the use of computers.

308/309: AP Biology S1/S2

Grades: 11-12

Prerequisites: Biology/Chemistry

Credit: 1.0 credit of Science (honors core class, NCAA core course); receives weighted grade

AP Biology is a national standardized course that is designed to teach high school students biology at a college level. It is a rigorous course that challenges students to excel in biological study. The course covers the material that would be taught in a Biology 101 college course. Students who choose to take and pass a proficiency test at the end of the class can obtain credit for Biology 101 or the equivalent at most colleges, in addition to receiving credit toward high school graduation. This class will require a good deal of out-of-class study and reading. There will also be many inquiry-based labs utilizing specialized laboratory equipment. *A rigorous course; to successfully complete the course and meet all of the required objectives, students will need to do independent work both during the summer and throughout the school year.*

326: Environmental Science 1

Grades: 11-12

Prerequisites: Biology

Credit: 0.50 credit of Science

Students will begin by learning some basic chemistry background information regarding the atmosphere that will support their learning. Topics will include the greenhouse effect, global climate change and human impact on Earth's natural resources. The first semester of class will end with a service learning project where students will educate other MHS students and faculty about climate change and productive sustainability practices.

327: Environmental Science 2

Grades: 11-12

Prerequisites: Biology

Credit: 0.50 credit of Science

Second semester will focus on the geosphere and studying the landscape of Central Oregon and the Oregon Coast. Students will study the rock cycle and types of rocks that make up our Earth. Students will learn about the powerful process behind volcano and mountain formation and will examine safety measures that local communities are taking regarding future earthquakes and/or volcanic explosions.

Social Studies

4500: Global Studies

Grades: 9

Prerequisites: None

Credit: 0.50 credit of Social Studies (NCAA core course)

In addition to an overview of geographic terms and themes, this course will focus on political, physical, and human geography of several world regions. Regions include Latin America, South Asia, Africa, and others. Current social and political issues facing these regions will also be discussed.

464/465: World History S1/S2

Grades: 10

Prerequisites: None

Credit: 1.0 credit of Social Studies (NCAA core course)

Topics cover the political, economic, cultural, and social structures of various parts of the world. Semester one deals with topics ranging from the Renaissance to the French Revolution. Semester two deals with topics ranging from Industrialization to World War I. Areas of the world studied include Europe, Latin America, the Middle East, Africa, and Asia.

4502/4503: US History S1/S2

Grades: 11

Prerequisites: None

Credit: 1.0 credit of Social Studies (NCAA core course)

A survey of American history in the time period of the Great Depression through the Cold War. Second semester consists of a survey of American history in the time period of the mid-1960s to the present. Topics include the Civil Rights movement, social movements of the 1960s, Vietnam, Watergate, the Conservative Revolution, and the Clinton era.

4061: Government

Grades: 12

Prerequisites: None

Credit: 0.50 credit of Government (NCAA core course)

This required class for seniors is a one-semester survey course of the United States government. Content Standards taught will include the foundation of how the US government was formed, the creation of the Constitution, the Constitution and individual rights, and the institutions that the Constitution created in the federal government. Other standards taught include Social Science Analysis and Literacy.

411/412: AP Government S1/S2

Grades: 12

Prerequisites: Global Studies, World History, and US History

Credit: 1.0 credit of Government (honors core class; NCAA core course); receives weighted grade

A college-level course in U.S. government/politics; can earn college credit if national AP exam is taken and passed. One-year course; can elect in place of Government/Economics. Topics covered are the Foundations of American democracy; interactions among the three branches of government; civil liberties and civil rights; American political ideologies and beliefs; and political participation.

4071: Economics

Grades: 11-12

Prerequisites: None

Credit: 0.50 credit of Government (NCAA core course)

This class is a one-semester survey course of the American economic system and others around the world. Content Standards taught will include the characteristics of economies, the concepts of supply and demand, different business organizations, and discussions on the global economy. Other standards taught include Social Science Analysis and Literacy.

413: Psychology 1

Grades: 11-12

Prerequisites: None

Credit: 0.50 credit of Electives (NCAA core course for Social Studies)

Students will study psychological methods, biology and behavior, sensation, perception, and consciousness. We will also take a close look at memory, problem solving, and intelligence. The last part of the course will focus on infancy, childhood, and adolescence.

414: Psychology 2

Grades: 11-12

Prerequisites: None

Credit: 0.50 credit of Electives (NCAA core course for Social Studies)

Students will study adulthood, motivation, and emotion. We will also discuss various theories of personality, psychological tests, and gender roles. The last part of the course will focus on stress and health, psychological disorders, methods of therapy, and social interaction.

4504: Topics in US History: Ethnic Studies

Grades: 11-12

Prerequisites: None

Credit: 0.50 credit of Electives

The main purpose of this course is to educate students to be socially, politically and economically conscious about their personal connections to local and national history. It addresses social justice, social responsibility, and social change. The course will explore cultural issues thematically and it will also focus on experiences of minority communities in America.

404: Topics in US History: The Holocaust

Grades: 11-12

Prerequisites: Global Studies, World History, and US History

Credit: 0.50 credit of Electives (NCAA core course for Social Studies)

An in-depth look from an American perspective at one of the most tragic events in history: the calculated extermination of Jews and others in Nazi-controlled Europe in the 1930s and 1940s. Topics covered include: a history of anti-Semitism, Nazi Germany; the ghettos; the “final solution”; the people involved with the Holocaust.

Career Pathways Overview

The purpose of Career Pathways at Madras High School is to provide students with a challenging, relevant, and rewarding sequence of courses to help them set and achieve both educational and career goals. The suggestions of courses detailed in each Career Pathway provides each student the opportunity to create a four-year academic plan in an area of high interest. Each Career Pathway is intended to provide a flexible course of study that allows for each student to take a combination of focused study classes, complete graduation requirements, and pursue courses they may choose for enjoyment and the broadening of their perspective.

You may choose to study in more than one pathway. There are also opportunities for college credit for completion of courses. Please see course instructors to enroll in college credit through the College Now (page 16) program.

Career Pathways are in the following areas:

Agriculture Sciences

Business

Construction Technology

Graphics Technology

Health Sciences

Manufacturing Technology

Natural Resources

Early Childhood Education

Agriculture Sciences

The Madras High School Agriculture Sciences Career Pathway requirements include:

- ☐ Minimum Graduation Requirements, which can be found on [pages 13-14](#) of this planner
- ☐ Trigonometry and AP Biology are highly recommended

Career and Technical Classes

The following courses are career related:

- ☐ Plant & Food Science
- ☐ Animal Science
- ☐ Introduction to Veterinary Science
- ☐ Intro to Manufacturing
- ☐ Construction Tech 1
- ☐ Greenhouse & Landscape Management
- ☐ Intro to Natural Resources
- ☐ Fisheries and Wildlife Management

Occupations Opportunities

Occupations Requiring Less Than a 4-Year Degree:

- ☐ Horticulturist
- ☐ Landscaper
- ☐ Arborist
- ☐ Equipment Operations
- ☐ Mechanic
- ☐ Veterinary Technician

Occupations Requiring a 4-Year Degree:

- ☐ Agricultural Engineer
- ☐ Botanist
- ☐ Nutrient Management Specialist
- ☐ Soil Scientist
- ☐ Hydrologist
- ☐ Accounting
- ☐ Agribusiness Management
- ☐ Agronomist
- ☐ Entomologist
- ☐ Food Science

Occupations Requiring 4+ Year Degree:

- ☐ Veterinarian
- ☐ Agricultural Educator

Business

The Madras High School Business Career Pathway requirements include:

- ☐ Minimum Graduation Requirements, which can be found on [pages 13-14](#) of this planner
- ☐ Trigonometry is highly recommended

Career and Technical Classes

The following courses are career related:

- ☐ Intro to Business
- ☐ Entrepreneurship 1 & 2
- ☐ Hospitality & Tourism Management 1 & 2
- ☐ Business Leadership
- ☐ Intro to Marketing
- ☐ Sports Marketing
- ☐ Personal Finance

Occupations Opportunities

Occupations Requiring Less Than a 4-Year Degree:

- ☐ Retail Sales
- ☐ Small Business Operator
- ☐ Realtor
- ☐ Insurance Sales
- ☐ Property Management
- ☐ Certified Personal Accountant
- ☐ Receptionist
- ☐ Customer Service Representative

Occupations Requiring a 4+Year Degree:

- ☐ Market Researcher
- ☐ Advertising
- ☐ Financial Planner
- ☐ Investment Banker
- ☐ Commercial Banker
- ☐ Accounting
- ☐ Human Resources Specialist
- ☐ Statistician
- ☐ Actuary
- ☐ Compliance Officer
- ☐ Loan Officer
- ☐ Financial Analyst
- ☐ Medical & Health Service Manager
- ☐ Cost Estimator

Construction Technology

The Madras High School Construction Technology Career Pathway requirements include:

- ☐ Minimum Graduation Requirements, which can be found on [pages 13-14](#) of this planner
- ☐ Trigonometry is highly recommended

Career and Technical Classes

The following courses are career related:

- ☐ Construction Tech 1
- ☐ Construction Tech 2
- ☐ Advanced Construction Tech
- ☐ CAD 1
- ☐ CAD 2
- ☐ Fundamentals of Electricity
- ☐ Intro to Manufacturing
- ☐ Manufacturing & Engineering 1
- ☐ Manufacturing & Engineering 2

Occupations Opportunities

Occupations Requiring Less Than a 4-Year Degree:

- ☐ Construction Worker
- ☐ Framer
- ☐ Drywall Installer
- ☐ Painter
- ☐ General Contractor
- ☐ Solar Photovoltaic Installer
- ☐ Glazier
- ☐ Brick Mason
- ☐ Concrete Worker

Occupations Requiring a 4+Year Degree:

- ☐ Plumber
- ☐ Architect
- ☐ Electrician
- ☐ Construction Manager
- ☐ Cost Estimator

Graphics Technology

The Madras High School Graphics Technology Career Pathway requirements include:

- ☐ Minimum Graduation Requirements, which can be found on [pages 13-14](#) of this planner
- ☐ Trigonometry is highly recommended

Career and Technical Classes

The following courses are career related:

- ☐ Intro to Graphics & Digital Photography
- ☐ Advanced Graphics Tech
- ☐ Digital Photography
- ☐ Advanced Digital Photography

Occupations Opportunities

Occupations Requiring Less Than a 4-Year Degree:

- ☐ Logo Designer
- ☐ Flash Designer
- ☐ Photo Editor
- ☐ Photoshop Artist
- ☐ Web Designer
- ☐ Multimedia Designer
- ☐ Graphic Arts Technician
- ☐ Publication Designer
- ☐ Photographer

Occupations Requiring a 4+Year Degree:

- ☐ Creative Art Director
- ☐ Brand Identity Designer
- ☐ Advertiser
- ☐ Graphic Designer

Health Sciences

The Madras High School Health Sciences Career Pathway requirements include:

- ☐ Minimum Graduation Requirements, which can be found on [pages 13-14](#) of this planner
- ☐ Trigonometry and AP Biology are highly recommended

Career and Technical Classes

The following courses are career related:

- ☐ Health 1
- ☐ Health 2
- ☐ Introduction to Health Occupations
- ☐ Animal Science
- ☐ Introduction to Veterinary Science

Occupations Opportunities

Occupations Requiring Less Than a 4-Year Degree:

- ☐ Dental Assistant/Hygienist
- ☐ EMT/ Paramedic
- ☐ Home Health Care Assistant
- ☐ Certified Nurse's Assistant
- ☐ Lab Technician
- ☐ X-Ray Technician
- ☐ Radiographer
- ☐ Registered Nurse
- ☐ Veterinary Technician

Occupations Requiring a 4-Year Degree:

- ☐ Teacher
- ☐ Athletic Trainer
- ☐ Nutritionist
- ☐ Physician's Assistant
- ☐ Psychologist

Occupations Requiring a 4+Year Degree:

- ☐ Doctor
- ☐ Psychiatrist
- ☐ Physical Therapist
- ☐ Veterinarian
- ☐ Occupational Therapist
- ☐ Charge Nurse
- ☐ Biochemist

Manufacturing Technology

The Madras High School Manufacturing Technology Career Pathway requirements include:

- ☐ Minimum Graduation Requirements, which can be found on [pages 13-14](#) of this planner
- ☐ Trigonometry is highly recommended

Career and Technical Classes

The following courses are career related:

- ☐ Introduction to Manufacturing
- ☐ Manufacturing & Engineering 1
- ☐ Manufacturing & Engineering 2
- ☐ CNC & Machining
- ☐ Construction Tech 1
- ☐ Construction Tech 2
- ☐ Advanced Construction Tech
- ☐ CAD 1
- ☐ CAD 2

Occupations Opportunities

Occupations Requiring Less Than a 4-Year Degree:

- ☐ Laborer
- ☐ Automotive Welder
- ☐ Pipe Welder
- ☐ Stick Welder
- ☐ Code Welder
- ☐ Machinist
- ☐ Fabricator
- ☐ Manufacturing Line Worker

Occupations Requiring a 4+Year Degree:

- ☐ Mechanical Engineer
- ☐ Civil Engineer
- ☐ Structural Engineer
- ☐ Petroleum Engineer
- ☐ Electrical Engineer
- ☐ Industrial Engineer
- ☐ Aerospace Engineer
- ☐ Cost Estimator
- ☐ Plant Manager
- ☐ Project Manager
- ☐ Master Machinist

Natural Resources

The Madras High School Natural Resources Career Pathway requirements include:

- ☐ Minimum Graduation Requirements, which can be found on [pages 13-14](#) of this planner
- ☐ Algebra 2 and Environmental Science are highly recommended

Career and Technical Classes

The following courses are career related:

- ☐ Intro to Natural Resources
- ☐ Wildland Fire Science
- ☐ Fisheries & Wildlife Management
- ☐ Science of Outdoor Recreation
- ☐ Plant and Food Science
- ☐ Animal Science
- ☐ Ag Science and Technology 1

Occupations Opportunities

Occupations Requiring Less Than a 4-Year Degree:

- ☐ Wildland Firefighter
- ☐ Firefighter
- ☐ Forest Technician
- ☐ Biological Science Technician
- ☐ Forestry Laborer
- ☐ Hydrology & Resource Technician
- ☐ Logger

Occupations Requiring a 4-Year Degree:

- ☐ Game Warden
- ☐ Fisheries Biologist
- ☐ Forester
- ☐ Geologist
- ☐ Wildlife Biologist
- ☐ Botanist
- ☐ Educator
- ☐ Conservation Manager
- ☐ Ecologist
- ☐ Hydrologist
- ☐ Timber Specialist
- ☐ Fuels Specialist
- ☐ Hatchery Manager
- ☐ Aquaculturist
- ☐ Aquatic Toxicologist

Early Childhood Education

The Madras High School Early Childhood Career Pathway requirements include:

- ☐ Minimum Graduation Requirements, which can be found on [pages 13-14](#) of this planner
- ☐ Trigonometry and AP Biology are highly recommended

Career and Technical Classes

The following courses are career related:

- ☐ Careers in Education
- ☐ Guiding and Supporting Young Children
- ☐ Creating Adventures with Movement, Music, and Art
- ☐ Teacher Cadet
- ☐ Learning Through Play and Exploration
- ☐ 21st Century Internship

Occupations Opportunities

Occupations Requiring Less Than a 4-Year Degree:

- ☐ Daycare Business Owner
- ☐ Pre-K Teacher
- ☐ Pediatric Dental Hygienist
- ☐ Child Welfare Specialist
- ☐ Human Services Associate
- ☐ Juvenile Corrections Officer

Occupations Requiring a 4+Year Degree:

- ☐ Teacher K-12
- ☐ School Counselor
- ☐ Speech Language Pathologist
- ☐ Special Education Teacher
- ☐ Library & Media Specialist
- ☐ Early Intervention
- ☐ Curriculum Development Specialist
- ☐ College Professor
- ☐ Pediatrician
- ☐ Principal & Assistant Principal