

North Marion High School

Home of the Huskies



2022 – 2023 Curriculum Guide

February 2022

We are pleased to welcome you to North Marion High School! North Marion is a welcoming, respectful and safe community, where we hold ourselves accountable to global standards, where teaching and learning is challenging, dynamic and engaging, and where students are empowered as stewards of their world.

This curriculum guide has been prepared to inform you about our academic offerings. As you select courses for next year, be sure to make choices wisely as the ability to change them at a later date is limited.

Keep in mind that high school is about much more than earning a diploma. This is the time to learn about your maturing talents, to pursue your dreams, to explore potential careers, and to discover who you are. Take advantage of North Marion's offerings to enrich your high school years. Ensure that colleges and future employers are made aware of your strong work ethic, desire to learn, and ambition to be the best you can be by selecting a challenging course of study. In addition, commit to participate in one or more of the many extra-curricular opportunities that are available. There are many ways for you to get involved.

At North Marion we honor the importance of healthy, supportive and caring relationships. A school-wide advisor program assists students to develop personal and career goals, while building meaningful relationships that extend beyond the classroom, ensuring that students are known and valued. Special attention to diversity and inclusion is evidenced through a broad array of campus experiences. An active student government and leadership program, student clubs, special activities, athletic and performing arts programs offer students vast opportunities to participate in the daily life and fabric of the school.

The secret to success in high school and beyond is simple; take school seriously, work hard, take challenging courses and plan ahead. You have choices here and planning is critical for achieving your goals and getting the most from your studies.

We are committed to preparing students to be successful in life. We welcome you to another great year of relevant and student-centered learning!

Sincerely,

De Ann Jenness
Principal

Dr. Bill Rhoades
Co-Principal of Teaching and Learning

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NOTICE:

The courses and programs described in this Guide are dependent on funding and enrollment. Modifications in course offerings and programs may occur depending on funding levels for the 2022-23 school year without further notice. Not all of the courses described in this document will be offered in a given year.

North Marion School District Mission Statement:

North Marion School District is a welcoming, respectful, and safe community, where we hold ourselves accountable to global standards, where teaching and learning is challenging, dynamic and engaging, and where students are empowered to lead productive lives as stewards of their world.

Academic Definitions & Regulations

Calendar & Credits

The school day begins at 8:00 a.m. and ends at 2:45 p.m. Each class meets daily and each time a student successfully completes an academic class, he/she will earn one-half (.5) credit. Credits are the units by which academic progress is measured. Twenty-five (25) credits are required for graduation in accordance with District graduation requirements.

Academic Standing

Regular grade point average is computed on a 4-point scale with the following point values awarded per grade: A = 4, B = 3, C = 2, D = 1, F = 0.

Withdrawing from a Course:

Students are expected to complete any course, required or elective, in which they are enrolled. Withdrawing from a course should be considered only for serious reasons. Prior to withdrawal, students are strongly urged to consult with their teacher, counselor, and parents. A signature from the teacher, counselor, and a parent is required to drop a course. **Any course dropped after the first 10 school days of a term is recorded on a student's transcript as a "WF" or "W" based upon what is agreed upon by teacher, counselor and administrator.**

Student Placement:

Student placement in advanced English, Math, Science, and Social Studies classes will be based on present classroom work, past performance, test scores, and other criteria related to the student's ability, potential, and career goals. Make certain you check the forecasting sheet closely for classes that need a teacher's approval prior to enrollment.

Athletic/Activity Eligibility*

In order to meet academic participation standards, a student must meet the OSAA standard. Participants in athletic/activity programs not meeting these standards are ineligible for the term. They may not participate/practice until term grades provide eligibility.

***IMPORTANT: Please refer to the Athletic/Activities Handbook for specific guidelines.**

NCAA Athletic Requirements

The NCAA Clearinghouse is an organization that clears athletes for initial eligibility in NCAA Division I and II athletic programs. If you are a student athlete with aspirations for college athletics, it is important to note that your athletic eligibility in college will be tied to your performance and completion of required classes in high school, as well as to your graduation from high school. For specific information and requirements, log onto www.eligibilitycenter.org.

Note also that it is a student's and/or parent's responsibility to check on college athletic requirements and not the responsibility of the North Marion staff, coaches, or athletic department.

Class Attendance

Regular attendance and punctuality are critical lifelong skills which are emphasized at North Marion. Because performance in class through collaborative activities is an essential element of student learning and assessment, and because students must be present to achieve these outcomes, student absences must be minimized.

Withdrawal from School

Students planning to transfer to another school must complete a withdrawal form. The Registrar will issue a withdrawal form for the student to present to teachers on the last day of attendance in order to receive grades and return textbooks. Transcripts will be sent to the student's new school at the school's request. Withdrawing from

school for any reason other than transferring to another school requires working with a counselor and/or an administrator.

Additional Course Work/Make-up Credit

Credits for making up failed courses may be earned by retaking the class or by taking the class online through the Opportunity Center.

In order to better meet individual needs, counselors are available to assist students at North Marion with scheduling problems, personal and social growth issues, academic concerns, and college and career planning.

Graduation Requirements

Diploma

A high school diploma will be awarded to students in grades 9 through 12 who complete a minimum of 25 credits (depending upon when the student first enrolled as a freshman) according to the following table:

SUBJECT	CREDIT
Language Arts	4.0
Mathematics (Algebra 1 & Above)	3.0
Social Studies including World History, 20 th Century US History A & B, Economics, Government, and - History 100 Series - History 200 Series fulfills 20 th Century A & B	3.0
Science (2 of the 3 must be lab based)	3.0
Career Planning	0.5
Health Education	1.0
Physical Education	1.0
CTE, 2 nd Language, Arts	3.0
Career Development *Career Related Learning Experience Check Sheet (Yellow Sheet)	0.5
Electives	6.0
Essential Skills (currently a waiver through 2024)	1. Read & comprehend a variety of text. Meet or exceed Oregon State Assessment 2. Write clearly & accurately. Meet or exceed Oregon State Assessment 3. Apply mathematics in a variety of settings. Meet or exceed Oregon State Assessment (or demonstrate proficiency)
Proficiency in Essential Skills	

Education Plan & Profile	✓
Career-Related Learning Experiences Extended Application	✓
Career-Related Learning Standards	✓
TOTAL CREDITS	25

Honors Diploma

Students who desire to be challenged to achieve academic excellence and increase their chances for success in college or other post-secondary programs may pursue the honors diploma.

Honors Diploma Eligibility Requirements Include:	
•	Earn a minimum cumulative GPA of 3.75 by the end of T2 – Senior Year
•	Complete at least 28 credits by the end of their Senior Year.
•	Complete all other graduation requirements
•	Pass all State benchmark tests & Work Samples
•	Pass at least 10.0 credits from the list below

✓	Honors Core Classes Checklist	Credits
	Accounting 2, 3 & 4	1.5
	Advanced Art	3.0
	Adv Computer Science Projects	0.5
	Advanced Photography	3.0
	Advanced Word Processing	0.5
	Agriculture Research & Development Capstone	0.5
	Algebra II A & B	1.0
	Animal Science 2	0.5
	Calculus A, B & C	1.5
	Chamber Choir A, B & C	1.5
	Chemistry A & B	1.0
	College Algebra A, B & C	1.5
	Computer Science Capstone	0.5
	Construction/Woodworking Senior Portfolio Capstone	0.5
	Culinary Arts 1 & 2	3.0
	Digital Fabrication 2 or Advanced Digital Fabrication Projects	1.0
	Digital Fabrication Senior Portfolio Capstone	0.5
	Digital Media 1, Tech Support 1, Program & Software 1	1.5
	Digital Media 2, Tech Support 2, Program & Software 2	1.5
	**Engineering Systems 2 or Advanced Engineering Projects	1.0
	English 10 Honors A & B	1.0
	English 11 Honors A & B	1.0
	English 12 Honors A & B	1.0
	Equine Science	0.5
	History 104 & 105 & 106	1.5
	History 201 & 202 & 203	1.5
	Human Anatomy & Physiology	0.5
	Manufacturing Senior Portfolio	0.5
	**Manufacturing Technology 2 or Adv Manufacturing Projects	1.0
	**Manufacturing/Engineering Senior Portfolio Capstone	0.5

	Metal Fabrication 2 or Adv Metal Fabrication	1.0
	Physics A & B	1.0
	*Plant Science	0.5
	Plant Science 2	0.5
	Psychology	0.5
	Robotics Engineering 2 or Adv Robotics Engineering Projects	1.0
	Robotics Engineering Senior Portfolio Capstone	0.5
	Spanish 3 A & B	1.0
	Spanish 4 A & B	1.0
	Sports Marketing 2	0.5
	Veterinary Science	0.5
	Wind Ensemble A, B & C	1.5
	Woodworking 2, Carpentry 2 or Adv Wood Projects	1.0
	Zoology	0.5
	WCA – Construction Technology (2 years)	6.0
	WCA – Cosmetology (2 years)	6.0
	WCA – Diesel Technology (2 years)	6.0
	WCA – Health Services (2 years)	6.0
	WCA – Manufacturing Technology (2 years)	6.0

***This course will no longer be available as an honors class beginning with the class of 2023.**

****These courses will no longer be available as honors classes beginning with the class of 2025.**

Valedictorian & Salutatorian

Only students who successfully complete the Honors Diploma will qualify to become a Valedictorian/Salutatorian.

Early Graduation

A student who wishes to graduate from high school prior to his/her scheduled graduation date must have a written agreement with the principal, parent, and a counselor. This form must be completed and returned to the counselor prior to early graduation. Parents, student and the school must agree to early graduation.

Commencement

Students who have earned the required number of credits or earned a GED may participate in graduation exercises. A student who successfully completes all requirements of the State of Oregon, and North Marion High School and who is in good standing may participate in graduation exercises. A student must be in “good standing” which means: students who violate school policy may, in some instances, be excluded from walking at graduation.

Alternative Learning Experience

The following alternative learning experiences are available to students. See your counselor for specific information.

- College Credit Now & Willamette Promise
- Early Graduation
- General Work Experience

- Opportunity Center – online credit recovery program for credit deficit students
- GED Program

Special Education

Students at North Marion High School who are eligible for special education services have an Individual Education Plan (IEP) that describes the supports and services necessary for that specific student to be successful in meeting their educational goals. Most students with IEP's are included in traditional high school classes with accommodations. A few students need additional support and receive their services in a classroom with specially trained staff. Students or parents who have questions about their special education services or eligibility for special education support should contact either their student's case manager or their student's counselor for more information.

English Language Learners

Students identified as English Language Learners at North Marion High School are provided with direct English language instruction and are provided support in the general classes. Contact the ELL teacher or their counselor for more information.

Career Pathways

The goal of the North Marion High School career pathways option is to expose students to career related curriculum in one of the following subjects: Agriculture Science, Arts, Business, Computer Information Technology, Construction, and Manufacturing. Students who complete the requirements of the pathway will have experience in both classroom and career activities.

In order to complete the pathway, students will do the following:

1. Complete the required North Marion High School courses for graduation.
2. Complete four courses in the Career Pathway of interest, plus two or more optional courses (from North Marion High School or the online catalog).
3. Complete at least one career experience with minimum of 20 hours of experience.
4. Complete a Senior Presentation. This will require students to present what they have done for their pathway, and what they have learned to their pathway teacher and administration. See pathway teacher or administrator for presentation format information.

Recognition

Students who complete the pathway will receive a note in the graduation program and a unique cord to wear at graduation.

2021-22 Career Pathway Options

Pathway	Graduation Cord Color
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Business	Light Blue
Agriculture Science	Blue and Gold
Manufacturing Metals Technogy	Brown
Information & Communication Technology	Silver
Arts	Rainbow
Construction Technology & Woodworking	Orange
Health Services	(color to be determined)

Willamette Career Academy

This exciting opportunity provides students with hands-on experience in their career field of choice. Students will spend three class periods a day in Salem, OR attending Willamette Career Academy and will attend NMHS for the remaining two class periods. The programs consist of both lecture and lab instruction and each course is a two-year program. Juniors who successfully complete the first year will be eligible to return to the second-year program. There is no cost to participate in the WCA programs and transportation is provided to and from the school each day.

Attendance is vitally important in both first and second year programs in order for the student to earn enough hours to complete the program. Students who successfully complete the Diesel Technology program will have completed approximately $\frac{1}{4}$ of the Diesel Technology associates degree at Chemeketa Community College. Students who successfully complete the Cosmetology program will be eligible to take the Oregon State Hair Design license board exam upon graduation. Students who successfully complete the Health Services program will be eligible to take the Certified Nursing Assistant licensure exam upon graduation. *Two new programs will be added in the fall of 2022: Manufacturing Technology and Construction Technology. Additional information will be provided when available.*

Eligibility

To be eligible to participate students must be:

- Incoming juniors that are on track to graduate with a 2.5 GPA or higher.
- Excellent high school attendance record
- Willing to commit to the program for two years (junior and senior year)

Scheduling

There are two sessions per day at WCA, an AM and PM session:

AM SESSION

- Students in the AM session (1st - 3rd period) will leave NMHS by 7 AM each morning to attend WCA.

PM SESSION

- Students in the PM session (3rd - 5th period) will arrive back to NMHS after school each day at approximately 3:30 PM.

Key considerations before signing up:

- WCA and NMHS have days throughout the year where their schedules do not align and because of this, students participating in WCA will have extra days of instruction. If North Marion does not have school, but WCA does, the student is still expected to attend and vice versa.
- Spots are very limited (*6 students or less per program*). Students are encouraged to sign up only if they are very serious about the program. Students will be selected based on a lottery system.
- Playing sports and attending WCA may be extremely challenging for students due to the time commitment for both activities.
- Students participating in WCA may not be able to receive an honors diploma. Any student interested in pursuing an honors diploma is encouraged to meet with their counselor to see if it is possible.

Willamette Career Academy - Cosmetology

This exciting and creative program offers students opportunities to engage in the art and science of cosmetology or hair design while earning high school credits and state hours towards licensure in their chosen course. The courses consist of both lecture and lab instruction in all aspects of cosmetology and hair design. Each course is a two-year program. Juniors who successfully complete the first year will be eligible to return to the second-year program.

Attendance is vitally important in both first and second year programs in order for the student to earn enough hours to complete the program.

The course curriculum includes the following:

- Salon studies
- Safety, hygiene and bacteriology
- Sterilization and sanitation
- Decontamination and infection control
- Shampooing (soap and dry)
- Scalp massage
- Hair reconstruction
- Hair coloring and bleaching - practical and theory
- Iron curling and waving
- Hair fashioning, shaping and cutting
- Theory of science and cosmetology
- Cold permanent waving - practical and theory
- Finger waving

- Laws of beauty culture
- Preparation for passing state exam to receive license

This course curriculum includes the following:

- 1.5 CTE Elective Credits per trimester
- Opportunity for college credit through Dual Enrollment partnership with Chemeketa and Willamette Promise
 - **4 College Credits**
 - Comm 111 (4 Credits) - **Year 2**

Prerequisites

Cosmetology/Hair Design I (Junior Year)

- Students must have at least junior standing and be 16 years of age or older
- Excellent high school attendance record

Cosmetology/Hair Design II (Senior Year)

- Must pass 1st year program with a meet/demonstrate competence of course standards for year 1 to qualify for 2nd year; limited space available

Willamette Career Academy - Diesel Technology

The Diesel Technology program is a two-year program designed to prepare students for entry-level positions in the heavy equipment industry or to prepare them in furthering their education/training.

Students enrolled in the Diesel Technology program will learn operation theory, maintenance and repair of large trucks and off-road equipment. The systems studied will include electrical, hydraulic, engines, air systems, brakes and preventative maintenance. Emphasis is placed on the safe operation of hand and power tools, overhead crane, and forklift trucks.

After acquiring the fundamental skills of the trade, students will perform maintenance and repairs on heavy equipment and trucks. Along with technical material, this program will include units on leadership, communication skills, goal setting, problem solving, conflict resolution, and responsible decision-making.

This course curriculum includes the following:

- Air Systems
- Brakes
- Electrical systems
- Engines
- Forklift truck

- Hand and power tools
- Hydraulics
- Overhead cranes
- Preventative maintenance
- Safety

Approximately 40 percent of the time will be devoted to theory and 60 percent to lab.

- 1.5 CTE Elective Credits per Trimester
- Opportunity for college credit through Dual Enrollment partnership with Chemeketa and Willamette Promise
 - **Diesel – 16 College Credits**
 - DSL 101 - (6 Credits) (Year 1)
 - DSL 101 - (6 Credits) (Year 2)
 - Comm 111 (4) (Year 2)

Recommendations

Design Technology I (Junior Year)

- Reading proficiency at 11th grade level
- Successful completion of Algebra I
- Excellent high school attendance record
- Must provide own health insurance to participate in internships, if offered
- Must provide own transportation to internship site and provide current car insurance, if offered

Diesel Technology II (Senior Year)

- Must pass 1st year program with a meet/demonstrate competence of course standards for year 1 to qualify for 2nd year
- Must provide own health insurance to participate in internships, if offered
- Must provide own transportation to internship site and provide current car insurance, if offered

The Diesel Technology program is a two-year program designed to prepare students for entry-level

Willamette Career Academy - Health Services

The Health Services program is a two-year course for students interested in pursuing a career in health care. The program provides core skills and knowledge necessary for entry-level employment in the healthcare field.

During the two-year program, students are introduced to anatomy and physiology, medical terminology, and nursing fundamentals. Students earn their CPR, First Aid cards, HIPAA Certification, blood-borne pathogens training, and a Certificate of Completion for the Health Services program. Students who qualify may apply to take the Oregon State Certified Nursing Assistant examination. Students will take several College Credit Now and Willamette Promise courses creating a head start and competitive advantage for future educational opportunities.

Attendance is critically important in both first and second year programs in order for the student to earn enough hours to complete the program.

Student must pass the 1st year program with a meet/demonstrate competence of course standards to qualify for 2nd year; limited space available.

This course curriculum includes the following:

YEAR 1

- Safety skills
- Professionalism
- Leadership development
- Therapeutic communication
- Human anatomy and physiology
- Medical terminology
- AIDS education and infection control
- Trends in healthcare
- HIPAA education
- Health and wellness practices
- Post-secondary opportunities
- Career opportunities and job search skills
- Professional portfolio development
- Writing and literacy skills practices

YEAR 2

- Basic patient care skills for nursing assisting
- Medical law/regulatory guidelines
- Medical ethics
- Risk management, quality assurance, and safety
- Infection control
- Patient intake and documentation of care (patient exam)
- Demonstrate knowledge of vision tests, audiometric/hearing tests, allergy tests, respiratory tests
- Patient preparation and assisting the provider

- Health maintenance practices
- Collecting and processing specimens
- Apply anatomy and physiology concepts when positioning, examining, assisting or performing basic diagnostic tests with patients
- Scheduling guidelines

This course curriculum includes the following:

- 1.5 CTE Elective Credits per trimester
- Opportunity for college credit through Dual Enrollment partnership with Chemeketa and Willamette Promise
 - **23 College Credits**
 - Anatomy & Physiology (3 Credits) - Year 1
 - Comm 111 (4 Credits) - Year 1
 - Med Term 1 & 2 (7 Credits) - Year 1
 - Healthcare Careers (2 Credits) - Year 2
 - Med Law and Ethics (3 Credits) - Year 2
 - PSY 104 (4 Credits) - Year 2

Recommendations

Health Services I (Junior Year)

- Reading proficiency at 11th grade level
- Successful completion of Algebra I or Integrated Math I
- Completed biology with a “C” or higher
- Must have proof of immunizations including MMR, Hepatitis B series, updated Tdap
- Proof of negative TB test
- Influenza vaccine
- Excellent high school attendance record
- Must provide own health insurance to participate in clinical rotation

Health Services II (Senior Year)

- Must pass 1st year program with a meet/demonstrate competence of course standards for year 1 to qualify for 2nd year; limited space available
- Must provide own health insurance to participate in internships, if offered

- Must provide own transportation to internship site and provide current car insurance
- Excellent attendance during 1st year of program

Lab Time/Theory Time

To qualify for state Nursing Assistant Certification, clinical hours providing patient care in a long-term care facility are required. Clinical rotations may be scheduled on weekends or after school hours. Times to be determined.

Program Supply List/Student Costs

All materials will be provided by WCA. Students will need to provide their own transportation to clinical rotation sites, but busing is provided to and from the school year day.

Willamette Career Academy - Construction Technology (*NEW - FALL 2022*)

This program is designed for students interested in entry-level positions in the construction industry. A combination of theory and hands-on experience is applied with the construction of several projects including a house project. Students will receive both classroom and lab instruction, in the fundamental skills and knowledge necessary to enter construction careers, apprenticeships, or continuing education. Emphasis is on residential construction including site preparation, foundation construction, floor and wall construction, roof construction, siding, trim, windows and door installation.

Attendance is vitally important in both first and second year programs in order for the student to earn enough hours to complete the program.

Must pass 1st year program with a meet/demonstrate competence of course standards for year 1 to qualify for 2nd year; limited space available.

This program is brand new and some areas such as dual credit partnerships are still being finalized.

This course curriculum includes the following:

- Building codes
- Building plans
- Building materials
- Construction mathematics and measuring
- Cost estimating
- Hand and power tool usage
- Pneumatic tool usage
- Residential construction
- Shop and job site safety
- Tool safety and usage
- 1.5 CTE Elective Credits per trimester
- Opportunity for college credit through Dual Enrollment partnership with Chemeketa and Willamette Promise
 - **College Credit to be determined**

Willamette Career Academy - Manufacturing Technology (*NEW - FALL 2022*)

This program is available to students interested in engineering, architecture, drafting, design, robotics and computer controlled equipment. The curriculum content is specific to manufacturing, but broad enough for entry level employment or continuing education in a wide variety of manufacturing pathways, i.e., metal, wood, paper, or plastic manufacturing, clothing & textiles, food production, and many more..

Attendance is vitally important in both first and second year programs in order for the student to earn enough hours to complete the program.

Must pass 1st year program with a meet/demonstrate competence of course standards for year 1 to qualify for 2nd year; limited space available.

This program is brand new and some areas such as dual credit partnerships are still being finalized.

This course curriculum includes the following:

- Computer Numerical Control (CNC) programming
- Computer Numerical Control (CNC), lathe and mill design
- Hydraulics and pneumatics
- Manufacturing processes
- Mechanical computer aided drafting (possible software: Mastercam and Solidworks)
- Programmable logic controller (PLC)
- Robotics
- Safety
- Solid modeling
- 3D printing
- 1.5 CTE Elective Credits per trimester
- Opportunity for college credit through Dual Enrollment partnership with Chemeketa and Willamette Promise
 - **College Credit to be determined**

Dual Enrollment | College Credit Options

North Marion offers many opportunities for students to take college credit courses, which aid students in reducing time, and costs in college. Below are the available college level courses currently available at North Marion High School.

Instructor	High School Course Title	Chemeketa Course Title	College Credits	AAOT
Moran, Sherie	Construction & Woodworking Senior Portfolio Capstone	APR101 Apprenticeship	3	Elective
Moran, Sherie	Manufacturing Senior Portfolio Capstone	APR101 Apprenticeship	3	Elective
Moran, Sherie	Advanced Robotics A, B, C	MT 105 Introduction to Robotics	3	Elective
Ioane, Kelly	Accounting 2	BA115 Introduction to Accounting	4	Elective
Ioane, Kelly	Word Processing	CA121 Keyboarding	3	Elective
Ioane, Kelly	Advanced Word Processing	CA122 Keyboarding Skill building	3	Elective
Ioane, Kelly	Advanced Word Processing	CA201D Microsoft Word Processing 1	3	Elective
Wagner, Tully	History 201	HST201 United States: to 1840	4	Cultural Literacy
Wagner, Tully	History 202	HST202 United States: 1840 to 1900	4	Cultural Literacy
Wagner, Tully	History 203	HST203 United States: 1900 to Present	4	Cultural Literacy
Strapp, Remy	College Algebra A/B	MTH111 College Algebra	5	Math
Strapp, Remy	College Algebra C	MTH112 Trigonometry	5	Math
Strapp, Remy	Calculus A/B	MTH251 Differential Calculus	5	Math
Strapp, Remy	Calculus C	MTH252 Integral Calculus	5	Math
Instructor	High School Course Title	WOU / OIT Course	College Credits	AAOT
Barrett, Jonathan	English 12A - Honors	WRI 121 College Writing	4	Writing
Barrett, Jonathan	English 12B - Honors	WRI 122 College Writing	4	Writing
Moran, Sherie	Program & Software Development 1 & 2	CS 160 Survey of Computer Science	4	Elective
Bonser, Ben	Spanish 3 A & B	Spanish 101-201 (credit depends on final exam test scores)	4-8	Language
Bonser, Ben	Spanish 4 A & B	Spanish 201-202 (credit depends on final exam test scores)	4-8	Language
Instructor	High School Course Title	Blue Mountain Community Course	College Credits	AAOT
Stoddard, Tricia	Animal Science A/B	ANS 121 Animal Science	3	Elective
Stoddard, Tricia	Plant Science A/B	HORT 100 - Plant Science	3	Elective

Stoddard, Tricia	Equine Science	ANS 201 Introduction to Equine Science	3	Elective
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Dual Enrollment | College Credit Options FAQ's

What is an AAOT?

An Associate of Arts Oregon Transfer (AAOT) is a “state approved associate degree that is intended to prepare students to transfer to upper division courses for a baccalaureate degree.”

If I take college credit classes in high school, will I still be eligible for Oregon Promise?

Yes; however, college credits from dual enrollment will count towards the 90 credit limit allowed by Oregon Promise. For example, if a student's graduates with 15 college credits as a senior in high school, they will only be potentially eligible for 75 college credits covered by Oregon Promise. Because of this, students are encouraged to talk with their counselor to determine if they should take a class for college credit or not based on their career and academic goals.

Does it cost money to take college courses at NMHS?

Yes, but it is a fraction of the cost that a student would pay at the college or university level. Most dual enrollment courses cost \$30, but please check with the teacher who instructs the course to verify any costs associated with the class.

Can I take the class without getting college credit?

Absolutely! Students who want to take a challenging course but want to wait until college to take the credit may absolutely enroll in the high school class and not pay the Dual Enrollment fee.

Example College Preparatory Schedule (4 – Year University)

Students that plan to attend a 4-Year University are encouraged to plan early to meet admission requirements. Additionally, students may take dual credit courses to help reduce the courses needed to attain a bachelor's degree. Please know that the following recommendations are simply an example and that not all college-going students will take the recommended courses below. This is simply a tool for students to help map out their high school classes based on their post-secondary goals. Students are encouraged to meet with their counselor to tailor their schedule based on their academic and career goals.

Most universities will require students to have *4 Years of English, 3 Years of Math, Science, and Social Science and 2 Years of a Foreign Language*; however, it is often **encouraged** that students take *4 Years of English, Math and Science*. Colleges and universities will look at the

overall rigor of the courses taken, so it is encouraged that students take a challenging but balanced course load throughout high school.

Freshman			Sophomore		
Suggested Schedule	Credits	College Credit	Suggested Schedule	Credits	College Credit
English 9 A & B	1		English 10 A & B (Honors)	1	
World History A & B	1		Math (Geometry A & B Algebra 2 A & B)	1	
Physical Science A & B	1		Biology A & B	1	
Math (Algebra A,B,C or Geometry A & B)	1		P.E. 2 or Elective Fitness Class	0.5	
P.E. 1	0.5		20th Century History A&B*	1	Can substitute this class for HST 201,202,203
Spanish 1 A & 1 B	1		Composition	0.5	
Additional Electives	2 or 2.5		Wellness	0.5	
			Spanish 2A & 2B	1	
			Additional Electives	1 or 2	
Junior			Senior		
Suggested Schedule	Credits	College Credit	Suggested Schedule	Credits	College Credit
English 11 A & B (Honors)	1		English 12 A & B (Honors)	1	WRI 121 & 122
Math (Algebra 2 A & B or College Algebra A/B/C)	1 or 1.5	(If student is taking College Algebra - MTH111 & MTH112)	Government	0.5	
Career Planning	0.5		Economics	0.5	
Science (Chemistry A & B or Physics A & B)	1		Senior Presentation	0.5	
History 201,202,203	1.5	HST201, HST202, HST 203	College Algebra A/B/C or Calculus A/B/C	1.5	MTH111 & MTH112 or MTH251 & MTH252
Social Health	0.5		Science (Chemistry A & B or Physics A & B)	1	
Spanish 3 A & B **	1	Spanish 101-201 (depends on final exam results)	Additional Electives	2.5	
Additional Electives	.5 or 1				
History 201,202,203 is the recommended college credit substitute for 20th Century History					
** 3 Years of Spanish is not required to apply to university; however, to get college credit a student must complete 3 years**					

Example College Preparatory Schedule (Community College)

Students that plan to attend a community college are encouraged to plan early to meet admission requirements. Additionally, students may take dual credit courses to help reduce the courses needed to attain an associates degree or classes that will aid in transferring to a four year university. Please know that the following recommendations are simply an example and that not all college-going students will take the recommended courses. This is simply a tool for

students to help map out their high school classes based on their post-secondary goals. Students are encouraged to meet with their counselor to tailor their schedule based on their academic and career goals.

Community colleges do not require *2 Years of a Foreign Language*. Additionally, students do not have to take college credit for English or Math, but an AAOT does require both so students are encouraged to take advantage of Dual Credit offerings if appropriate. If a student does not want the option to take WRI 121 & WRI 122 they do not need to take the Honors section of English.

Freshman			Sophomore		
Suggested Schedule	Credits	College Credit	Suggested Schedule	Credits	College Credit
English 9 A & B	1		English 10 A & B (Honors)	1	
World History	1		Math (Geometry A & B Algebra 2 A & B)	1	
Physical Science	1		Biology A & B	1	
Math (Algebra A,B,C or Geometry A & B)	1		P.E. 2 or Elective Fitness Class	0.5	
P.E. 1	0.5		20th Century History A&B*	1	<i>Can substitute this class for HST 201,202,203</i>
Spanish 1 A & 1 B **	1		Composition	0.5	
			Spanish 2A & 2B **	1	
			Wellness	0.5	
Additional Electives	1.5 or 2		Additional Electives	0.5 or 1.5	
Junior			Senior		
Suggested Schedule	Credits	College Credit	Suggested Schedule	Credits	College Credit
English 11 A & B (Honors)	1		English 12 A & B (Honors)	1	WRI 121 & 122
Math (Algebra 2 A & B or College Algebra A/B/C)	1 or 1.5	(If student is taking College Algebra - MTH111 & MTH112)	Government	0.5	
Career Planning	0.5		Economics	0.5	
History 201,202,203*	1.5	HST201, HST202, HST 203	College Algebra A/B/C or Calculus A/B/C	1.5	MTH111 & MTH112 or MTH251 & MTH252
Science (Chemistry A & B or Physics A & B)	1		Senior Presentation	0.5	
Social Health	0.5		Additional Electives	3.5	
Additional Electives	1.5 or 2				
History 201,202,203 is the recommended college credit substitute for 20th Century History					
** 2 Years of a Foreign Language is not required for a community college; however, for professional development it is recommended**					

Example Apprenticeship Preparatory Classes

NMHS offers many pathways and courses that will aid students in securing an apprenticeship upon graduation. Depending on the type of apprenticeship program (carpentry, plumbing, electrician, laborer, etc.) certain classes will be recommended to complete prior to graduation.

Please know that the following recommendations are simply an example and that not all pre-apprenticeships students will take the recommended courses. This is simply a tool for students to help map out their high school classes based on their post-secondary goals. Students are encouraged to meet with their counselor to tailor their schedule based on their academic and career goals.

It is highly encouraged that students use additional elective credits to complete a CTE Pathway. The *Construction Technology & Woodworking* pathway allows students to complete a Fundamental Trade Skills Program (Pre-Apprenticeship) through Chemeketa which can boost their apprenticeship application. Additionally, most registered apprenticeships require applicants to complete Algebra 2 with a C- or higher; however, applicants with a higher grade will often be ranked higher than those with a C-. Additional points are given to applicants with college level math, so it is encouraged for students to complete College Algebra if they are able to do so. For more information on apprenticeships, please visit oregonapprenticeship.org/

Freshman			Sophomore		
Suggested Schedule	Credits	College Credit	Suggested Schedule	Credits	College Credit
English 9 A & B	1		English 10 A & B	1	
World History A & B	1		Math (Geometry A & B Algebra 2 A & B)	1	
Physical Science A & B	1		Biology A & B	1	
Math (Algebra A,B,C or Geometry A & B)	1		P.E. 2 or Elective Fitness Class	0.5	
P.E. 1	0.5		20th Century History	1	
			Composition	0.5	
Additional Electives	3 or 3.5		Wellness	0.5	
			Additional Electives	1	
Junior			Senior		
Suggested Schedule	Credits	College Credit	Suggested Schedule	Credits	College Credit
English 11	1		English 12	1	
Math (Algebra 2, Probability & Statistics 2A & B or College Algebra A/B/C)	1	(If student is taking College Algebra - MTH111 & MTH112)	Government	0.5	
Career Planning	0.5		Economics	0.5	
Science (Physics A & B)	1		Senior Presentation	0.5	
Social Health	0.5		Technical Math A & B	1	
Additional Electives	3		Additional Electives	4	
** It is highly encouraged that students use additional elective credits to complete a CTE Pathway in Construction Technology & Woodworking **					

ACADEMIC SUPPORTS

STRATEGIC LANGUAGE ARTS**(ENG)****PREREQUISITES: None****CREDIT: .5****GRADES: 9, 10, 11, 12****TRIMESTERS: as needed**

Strategic Language Arts classes strive to improve students' writing and reading skills through a variety of differentiation strategies. Emphasis is placed on the needs and learning style of individual students, while working to master the ELA Common Core state standards at all grade levels. Each trimester brings a different theme and content focus, incorporating elements of African American, Native American, Chicano, and historical literature into lessons revolving around literary analysis, reading comprehension, and personal narrative expression.

ADVISORY**(ELC)****PREREQUISITES: None****GRADES: 9, 10, 11, 12****TRIMESTERS: ALL**

Each student is assigned an advisor for the duration of the four years of high school. Students meet in their Advisor class for thirty minutes, four times each week. This class is counted as instructional time, where attendance is taken and structured Career Development lessons are provided weekly. The main purpose of the Advisory class is to develop and nurture positive student/staff relationships, with one teacher over the course of four years in high school. In addition to this fundamental priority, the advisory class includes the following:

- Student support and guidance for implementation of Career Related Learning Experiences required for high school graduation.
- Academic goal setting and preparation for fall and spring Student-led Conferences.
- Promotion of a positive school culture, through student club meetings and other school activities/assemblies.
- Focused time for additional support and time for learning. Students may seek additional instruction from classroom teachers, make-up missed assignments, classroom activities or tests, or use the time for quiet study time, group assignments and homework.

AGRI-SCIENCE

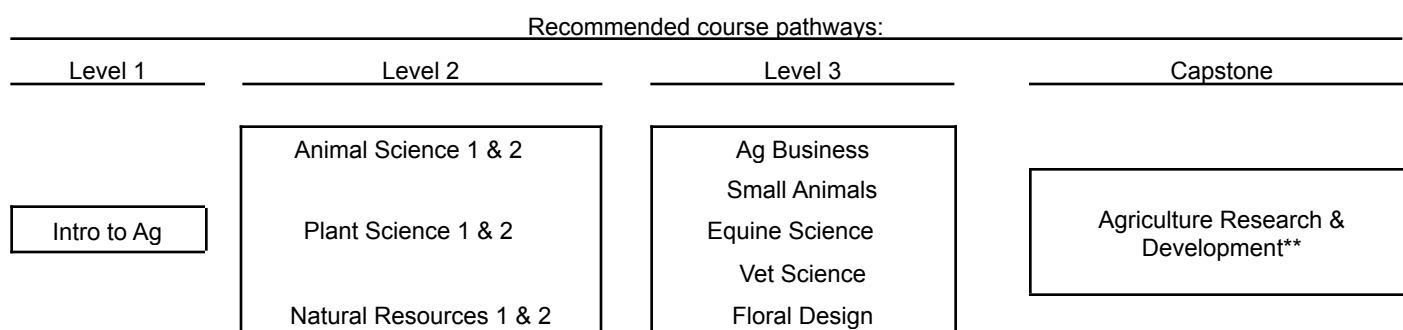


Career Pathway: AGRICULTURAL SCIENCE

Agriculture is an integral part of everyone's life. There are three options offered in the agri-science pathway that include animal, plant and natural resources. One in four jobs in the United States are agriculture related and is one of the fastest growing fields.

FFA is the largest student run organization in the world and provides opportunities for members to travel, earn money, earn scholarships, learn leadership through agriculture and most of all have fun!! FFA is offered in all agriculture classes.

NOTE: Introduction to Agriculture is a required first class.



Students who complete 3 units (6 classes) in a pathway will earn a graduation cord along with a designation on their diploma.

College credit available

Introduction to Agriculture, Food, and Natural Resources (AFNR) (CTE)

PREREQUISITES: None

Credits: .5

GRADES: 9, 10, 11, 12

Trimesters: 1

A little bit of a lot! Students participating in this course will experience hands-on activities, projects, and problems that involve the study of plants, animals, natural resources, and agricultural mechanics. **This class is a required prerequisite for all other agriculture classes.**

Small Animals (CTE)

PREREQUISITES: Intro to Agriculture, Food and Natural Resources

Credits: .5

GRADES: 9, 10, 11, 12

Trimesters: 1

This class is centered on the care and selection of animals that we keep as pets. It will include dogs, cats, small mammals (rats, mice, gerbils, guinea pigs) reptiles and birds.

Animal Science 1 (ASA) (CTE, Science)

PREREQUISITES: Intro to Agriculture, Food and Natural Resources

Credits: .5

GRADES: 9, 10, 11, 12

Trimesters: 1

This course is designed to engage students in hands-on laboratories and activities to explore the world of animal agriculture. Student experiences will involve the study of animal anatomy and physiology, animal health, social issues and domestication. ***College Credit can be earned at the completion of part 2.***

Animal Science 2 (ASA)

(CTE, Science)

PREREQUISITES: Animal Science 1

Credits: .5

GRADES: 9, 10, 11, 12

Trimesters: 1

This course is designed to engage students in hands-on laboratories and activities to explore the world of animal agriculture. Student experiences will involve the study of animal nutrition, reproduction, genetics, and diseases. ***College Credit can be earned.***

Natural Resources 1

(NRE)

(CTE, Science)

PREREQUISITES: Introduction to Agriculture, Food, and Natural Resources (AFNR)

Credits: .5

GRADES: 9, 10, 11, 12

Trimesters: 1

Explore with hands-on projects and activities while studying topics such as land use, water quality, stewardship, and environmental agencies. Study of the natural world including biomes, land, air, water, energy, use and care as well as a focus on issues surrounding man's interaction with the Earth will be addressed in this course.

Natural Resources 2

(NRE)

(CTE, Science)

PREREQUISITES: Natural Resources 1

Credits: .5

GRADES: 9, 10, 11, 12

Trimesters: 1

A continuation of Natural Resources 1, students will select an ecosystem to study throughout the course and apply principles of natural resources and ecology from each unit of study to that ecosystem.

Plant Science 1

(ASP)

(CTE, Science)

PREREQUISITES: Introduction to Agriculture, Food, and Natural Resources (AFNR)

Credits: .5

GRADES: 9, 10, 11, 12

Trimesters: 1

Plant Science is a fast paced, hands-on course that includes topics such as soils, hydroponics, propagation, and the fundamentals of production and harvesting. Students are immersed in lab-based exercises filled with activities and projects. ***College Credit can be earned at the completion of part 2.***

Plant Science 2

(ASP)

(CTE, Science)

PREREQUISITES: Plant Science 1

Credits: .5

GRADES: 9, 10, 11, 12

Trimesters: 1

Plant Science is a fast paced, hands-on course that includes topics such as soils, hydroponics, propagation, and the fundamentals of production and harvesting. Students are immersed in lab-based exercises filled with activities and projects. ***College credit can be earned.***

Equine Science

(CTE, Science)

PREREQUISITES: Animal Science 2**Credits: .5****GRADES: 10, 11, 12****Trimesters: 1**

Equine Science is all about horses! It will cover the anatomy and physiology of the horse, nutrition, health and diseases, grooming and basic handling. You will be provided with an opportunity to compete in the Horse CDE at Oregon State University. **College credit can be earned.**

Veterinary Science**(CTE, Science)****PREREQUISITES: Animal Science 2****Credits: .5****GRADES: 10, 11, 12****Trimesters: 1**

Students will learn about the veterinary industry through hands on learning. Topics include handling & restraint, surgical skills, animal ID, tool ID, and issues in the industry today.

The Art of Floral Design**(CTE)****PREREQUISITES: Introduction to Agriculture, Food, and Natural Resources (AFNR)****Fee: \$20****Credits: .5****GRADES: 9, 10, 11, 12****Trimesters: 1**

Students will learn about the floral industry, colors, flower anatomy, flower identification, and design principals and elements. Students will learn to wrap wire, make a corsage and boutonnieres, centerpieces, and bows.

Agricultural Business Foundations**(CTE)****PREREQUISITES: Introduction to Agriculture, Food, and Natural Resources (AFNR)****Credits: .5****GRADES: 9, 10, 11, 12****Trimesters: 1**

Introduces students to business management in agriculture. The course uses practical and engaging activities, projects, and problem solving to develop and improve employability skills. The course includes: starting a business, financial document, risk management and writing a business plan.

Capstone: Agriculture Research & Development**(CTE)****PREREQUISITES: Teacher Recommendation****Credits: .5****GRADES: 10, 11, 12****Trimesters: 1**

Agricultural Research and Development is the capstone course designed to culminate students' experiences in agriculture, based on the pathway of study they pursued. Students will work to solve complex, real-world problems through a focused research project. This process will include conducting research, data analysis and communication, and the development of new projects.

This is for students completing an agriculture pathway and have passed at least five trimesters of the required course work. Completion of this course will earn you graduation cords and a notation of completion on your diploma.

This is an independent class.

ART

The arts curriculum is designed to develop an understanding and an appreciation for the visual arts. Students will obtain the knowledge, vocabulary and skills necessary to express themselves in one or more of the art medias. The visual arts enhance the curriculum by training students to see, feel and communicate about their surroundings. There are many career opportunities available in the arts. Students thinking of a college art program should take advanced courses related to their chosen field and develop a portfolio of their work.

Career Pathway: Arts

The Arts is designed to develop an understanding and an appreciation for the visual arts and the impact it can make on others. Students on this pathway will have an appreciation for the arts through their surroundings by creating, observing, reflecting, and communicating on their own work or the work of others.



NMHS Career Pathway Courses	Career Experience Options	College Credit Available
<u>Complete 4 Pathway Core Courses of the following:</u> -Intro to Art -Materials Survey -Advanced Art -Graphic Design and Marketing -Yearbook -3D/Ceramics 1 -Photography <u>Complete 2 or more of the following Specialized Courses:</u> -3D/Ceramics 2 -Advanced Photography -Painting -Drawing -Fiber Art -Jewelry Making	-National Art Honor Society -OWC Art Symposium -Community Service -Other projects as approved	Additional courses added at a later date

INTRODUCTION TO ART**(Arts)****PREREQUISITES:** None**CREDIT:** 0.5 (may be repeated - 1.5 credits) **GRADES:** 9, 10, 11, 12**TRIMESTERS:** 1

This is the prerequisite fundamental art class. The student will learn the basic history and vocabulary of art including the Elements and Principles of Design through participation in hands on activities. The student will be introduced to the process of learning to reflect on and review art. Daily participation points, course work and a student compiled notebook consisting of a completed collection of the information presented in class, together with their scored student work and final project with a formal paper, are required to pass the course. This class may be repeated up to six credits.

MATERIALS SURVEY**(Arts)****PREREQUISITES:** Intro to Art**CREDIT:** 0.5 (may be repeated - 1.5 credits) **GRADES:** 9, 10, 11, 12**TRIMESTERS:** 1

Building on the understanding of the basic art foundations introduced in Intro to Art, this mid-level art course is designed to dive deep into the various aspects of the visual arts media that are available in the advanced courses. This course will emphasize the following:

*Art production such as calligraphy, drawing, painting, photography, printmaking, 3-D design, pottery, sculpture through hands on application and guest speakers.

* Careers in the arts and related fields

* Individual/class critique and art proposal writing will be expanded upon with each project.

This course may be repeated (if space allows) with the assignments becoming more difficult or challenging. Art/craft production, aesthetics, appreciation, careers, creativity and responsibility/safety will be emphasized.

ADVANCED ART**(Arts)****PREREQUISITES:** Intro to Art**CREDIT:** 0.5 (may be repeated - 1.5 credits) **GRADES:** 9, 10, 11, 12**TRIMESTERS:** 1

This course provides the serious art student self-directed study in areas of student interest. Projects include, but are not limited to, Photography, Sculpture, Drawing, 2D and 3D Design, Painting, Graphic Design with web design applications, Fiber arts, Jewelry making, etc., whatever the student is interested in. This course allows the student the opportunity to further explore in depth more focused art applications in a studio setting as well as through Service Learning Projects. Not all students are working with the same media at the same time, therefore, advanced study skills and working closely with the instructor is necessary. Daily participation points, in-depth course work and a long term project and reflection are required to pass the course. This class can be repeated up to six credits.

3D / CERAMICS 1 & 2**(Arts)****PREREQUISITES:** Intro to Art**CREDIT:** 1.0 (each may be repeated - 1.5 credits) **GRADES:** 9, 10, 11, 12**TRIMESTERS:** 2

This course is designed to give students an introduction to basic ceramics and clay sculpture techniques along with other 3D media. This course may be repeated (if space allows) with the assignments becoming more difficult or challenging. Art/craft production, aesthetics, appreciation, careers, creativity and responsibility/safety will be emphasized.

PHOTOGRAPHY**(Arts)****PREREQUISITES:** Intro to Art**CREDIT:** .5 (may be repeated - 1.5 credits) **GRADES:** 9, 10, 11, 12**TRIMESTERS:** 1

This course is an introduction to the art and science of black and white photography. Students will learn to use 35mm adjustable cameras as well as digital cameras. They will develop and print their own negatives in the school dark room. A 35mm adjustable camera or a digital camera is highly recommended.

ADVANCED PHOTOGRAPHY**(Arts)****PREREQUISITES:** Intro to Art & Photography**CREDIT:** .5 (may be repeated - 1.5 credits) **GRADES:** 9, 10, 11, 12**TRIMESTERS:** 1

This course is for students who have learned the fundamentals of photography concentrating on the more complex aspects of exposure, printmaking skills, lighting and composition while increasing photographic concepts and vision. Students refine the aesthetic and technical aspects of their photography. Students are directed toward personal projects that result in a portfolio of coherent images. Course requires a 35 mm film/digital camera.

PAINTING**(Arts)****PREREQUISITES:** Intro to Art**CREDIT:** .5 (may be repeated - 1.5 credits) **GRADES:** 9, 10, 11, 12**TRIMESTERS:** 1

This course is designed to give students the knowledge and the skills to produce works using a variety of styles using watercolor, acrylic, and oil. More advanced elements of style, history, and techniques will be covered in the project-based class.

GRAPHIC DESIGN AND MARKETING**(Arts)****PREREQUISITES:** Intro to Art**CREDIT:** .5 (may be repeated - 1.5 credits) **GRADES:** 9, 10, 11, 12**TRIMESTERS:** 1

Students will explore media arts from drawn, graphic design, digital camera, for use in web page development. This course is designed for the students interested in the business of computer design. Jobs of the future will be explored.

DRAWING**(Arts)****PREREQUISITES:** Intro to Art**CREDIT:** .5 (may be repeated - 1.5 credits) **GRADES:** 9, 10, 11, 12**TRIMESTERS:** 1

Students will explore media and themes to improve technique, composition and recording subject matter. This course is designed for the students interested in their drawing and design skills. Jobs of the future will be explored.

FIBER ART**(Arts)****PREREQUISITES:** Intro to Art**CREDIT:** .5 (may be repeated - 1.5 credits) **GRADES:** 9, 10, 11, 12**TRIMESTERS:** 1

This course is designed to give students an introduction to basic fiber arts for interior, sculptural techniques and mixed media in the Fiber Arts. This course may be repeated (if space allows) with the assignments becoming more difficult or challenging. Art/craft production, aesthetics, appreciation, careers, creativity and responsibility/safety will be emphasized.

PREREQUISITES: Intro to Art**CREDIT:** .5 (may be repeated - 1.5 credits) **GRADES:** 9, 10, 11, 12**TRIMESTERS:** 1

This course is designed to give students an introduction to basic jewelry making techniques. This course may be repeated (if space allows) with the assignments becoming more difficult or challenging. Art/craft production, aesthetics, appreciation, careers, creativity and responsibility/safety will be emphasized.

BUSINESS AND COMPUTERS

The business world affects everyone's life. All high school students should receive training in employment opportunities and job search techniques. Students will develop personal business and entry-level occupational skills, develop consumer-economic knowledge, and build a foundation for advanced study in business.

Students enrolled in a business course are encouraged to take advantage of the opportunity to join FBLA, the national student organization for business students.

Career Pathway: BUSINESS



This pathway allows students to gain experience to concepts surrounding business, to learn the skills needed to work in business, and to gain experience that will help prepare them for this competitive field.

FBLA: The business program is aligned with the Future Business Leaders of America, a national organization that focuses on developing students as leaders. FBLA programs focus on: Leadership Development, Academic Competition, Educational Programs, Community Service, and Awards and Recognition. Members of our club can participate in the Big Brother/Big Sister Program, the Oregon Leadership Institute, Regional and State Skills Conferences, and qualify for the National Business Leadership Conference.



*Students who complete 3 units (6 classes) in a pathway, will earn a graduation cord along with a designation on their diploma and transcripts.

INTRODUCTION TO BUSINESS	(CTE)
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PREREQUISITES: None

CREDITS: 0.5

GRADES: 9, 10, 11, 12

TRIMESTERS: 1

Students will be introduced to a variety of different business aspects including: accounting, economics, management, marketing, finance and more! This class provides a broad introduction to the many different business industries and job opportunities represented within Oregon and is a springboard to other class offerings in the business department. It is a must have for business-minded students and all students entering the workplace. Chemeketa Community College Credits are available to students who passed the class and pay the required fee.

BUSINESS & PERSONAL LAW	(CTE)
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PREREQUISITES: None

CREDITS: 0.5

GRADES: 10, 11, 12

TRIMESTERS: 1

Business & Personal Law will provide the student with knowledge of how the law mandates rights and responsibilities for individuals within the current legal system. Real-world topics such as classes of crimes, sentencing and bail, and search and seizure will be covered. The class will deal with constitutional law, institutions of law and the juvenile and adult systems. Activities will include mock trials, videos, and field trips.

ACCOUNTING 1 & 2	(CTE)
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PREREQUISITES: None

CREDITS: 1.0

GRADES: 9, 10, 11, 12

TRIMESTERS: 2

Students will analyze business transactions, use journals and ledgers, and prepare financial statements. The entire accounting cycle will be covered for both service and merchandising businesses. Common business terminology, banking activities, handling cash, payroll systems, and depreciation methods are also included. This course is highly recommended for any student interested in pursuing a business career.

Students must pass Accounting 1 before taking Accounting 2. Accounting 2 articulates with Chemeketa BA115 – Intro to Accounting. There may be an opportunity to earn college credit for this course if requirements are met.

ACCOUNTING 3 & 4	(CTE)
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PREREQUISITES: Accounting 1 & 2

CREDITS: 1.0

GRADES: 10, 11, 12

TRIMESTERS: 2

Students will continue to study the accounting cycle and further advanced accounting methods. Accounting records for a single proprietorship, a partnership, and a corporation will be covered. Special topics include a voucher system, cost accounting and budget planning and control. Students will acquire hands-on computer experience while working with the general ledger, accounts payable, accounts receivable and payroll accounting systems. Completion of this course will prepare students for entry-level positions in accounting and/or continued education at the post-secondary level.

PERSONAL FINANCE

(Elective)

PREREQUISITES: None

CREDIT: 0.5

GRADES: 10, 11, 12

TRIMESTERS: 1

This class will cover the essential principles of banking, financing, and investing. The class also addresses the mathematical skills that students need to live a financially healthy life. Students will be able to see the real-world consequences of mastering their finances, which helps them understand the relevance of good mathematical skills. Skills include: savings, checking, credit cards, taxes, stocks, bonds, home loans, auto loans, and insurance.

MARKETING

(CTE)

PREREQUISITES: Intro to Business

CREDITS: 0.5

GRADES: 9, 10, 11, 12

TRIMESTERS: 1

Learn how to label, promote, and advertise in today's business world. We will learn the four P's of advertising, how to layout a store that best serves the customer, and how to conduct marketing research. This is an advanced class that will focus on student projects and group collaboration.

BUSINESS LEADERS

(CTE)

PREREQUISITES: (see description below)

CREDITS: 0.5

GRADES: 10, 11, 12

TRIMESTERS: 1

This course is the capstone class for the Business & Management Program of Study. **The prerequisites for this class are: Intro to Business, Marketing, Accounting 1, and Advanced Word Processing.** Program completers will have all the business skills to move on to a post-secondary school and continue their business education. All students will use their prior knowledge to create a business plan for their own business; including marketing, financials, and more.

CURRENT BUSINESS ISSUES IN SPORTS

(CTE)

PREREQUISITES: Intro to Business

CREDITS: 0.5

GRADES: 9, 10, 11, 12

TRIMESTERS: 1

This course offers a comprehensive study of current issues in sports. A strong emphasis will be placed on current economic issues and concerns. Issues will be explored in light of cultural and social contexts. Topics will include steroid use in all levels of sport, buying championships, the modern sport stadium pricing out the ordinary sport fan, corporations taking over the Olympics, the influence of corporations on what sports are produced and televised, the influence of money on college sports, the winning at all cost mentality, the failure of soccer to become an American phenomenon, how media influences sports, new media technology and its impact on sports, fantasy sports and the growth of action sports.

SPORTS MARKETING 1 & 2

(CTE)

PREREQUISITES: Intro to Business**CREDITS: 1.0****GRADES: 9, 10, 11, 12****TRIMESTERS: 2**

Students will be introduced to the fundamental concept of sports and entertainment marketing: the marketing of sports versus the process of marketing through sports. Students will manage a football stadium and team. Entirely computer based, this simulation will help students use their marketing knowledge to edge out the competition. Students will also have the opportunity to promote North Marion athletic events.

In Sports Marketing 2 students will be using promotional activities to understand event planning, teamwork and leadership skills. Students will also use technology to create and promote in-season sports videos, posters or slideshows. Students will be exposed to the process of selling through contact with local businesses selling advertisements.

WORD PROCESSING**(CTE)****PREQUISITES: None****CREDIT: 0.5****GRADES: 9, 10, 11, 12****TRIMESTERS: 1**

Students will review keyboarding with emphasis on using good techniques and typing by touch. Speed and accuracy will be developed. Formatting of basic documents such as letters, school reports, and tables will be learned. **Chemeketa Community College Credits may be possible for A/B level students.** Students who desire college credit for this class must pay the required fee.

ADVANCED WORD PROCESSING**(CTE)****PREQUISITES: Word Processing****CREDITS: 0.5****GRADES: 9, 10, 11, 12****TRIMESTERS: 1**

Students will increase speed and accuracy levels of competency required for employment. Formatting of more advanced job-skill business forms, reports, letters and documents reflecting current trends in business will be emphasized. Editing and decision-making will be stressed. Students who desire college credit for this class must pay the required fee. (Chemeketa College Credits possible are CA122 & CA201D)

WEB DESIGN**(CTE)****PREREQUISITES: Word Processing****CREDIT: 0.5****GRADES: 9, 10, 11, 12****TRIMESTERS: 1**

Students will use knowledge of HTML, CSS, and FrontPage to create meaningful and useful websites. Students will learn the basics of design, color, layout, and other elements to create business ready websites. We will also explore the history of the Internet and how the web works.

BUSINESS MEDIA**(CTE)****PREREQUISITES: Word Processing****CREDITS: 0.5****GRADES: 9, 10, 11, 12****TRIMESTERS: 1**

Students will be exposed to the varied concepts underlying the promotion of a business. This course will focus on the various types of media, advertising layout and design principles, and visual presentation of your business. Students will use available technologies and software programs to create a cohesive image for your business

CAREER PLANNING

CAREER PLANNING

(Required)

PREREQUISITES: None

CREDIT: 0.5

GRADES: 11

TRIMESTERS: 1

Students will be introduced to a variety of career preparation activities and topics including: personal assessments, goal setting, career research, employment foundations, job seeking skills, and financial foundations. Students will prepare a resume and participate in a job shadow and mock interview, as well as other activities where they will practice many of the Career Related Learning Standards. Satisfactory participation and completion of all projects in this course will fulfill two of the Career Related Learning Experience requirements for graduation.

ELECTIVES

DRIVER EDUCATION

(Elective)

PREREQUISITE: Students must be 15 years old & have obtained a learner's permit prior to the beginning of course.

CREDIT: 0.5

GRADES: 9, 10, 11, 12 (depends on age – see above)

TRIMESTERS: 1

Driver Education offers the student an opportunity to learn about the safe operation of a motor vehicle under various conditions. Students will develop safety habits.

This course is an analysis of the driving task with emphasis on the mental, physical, and social requirements for safe driving, with an introduction to on-street driving experiences given to those students who have obtained a driving permit. The behind-the-wheel portion of the course is done outside of school. Both portions must be completed to earn credit in the course. If a student obtains a driver's license prior to completion of classroom and driving portions or turns 18, student will be charged a fee of \$210. The state does not reimburse for students getting their license or turning 18 prior to completion of course. Successful completion of course allows a waiver of the drive test at the D.M.V.

LEADERSHIP

(Elective)

PREREQUISITES: None

CREDITS: 0.5

GRADES: 9, 10, 11, 12

TRIMESTERS: 1

Leadership class will give the opportunity to learn decision-making, goal setting, time management, project organization and communication skills in a project-oriented class. All ASB members must take this class at least once during the year.

It is also a great class for club officers to take in order to complete club duties. Students will organize and direct activity projects while serving as role models in the school and community. Students will need to complete some requirements outside of school time.

CREATIVE WRITING

(Elective)

PREREQUISITES: None

CREDITS: 0.5

GRADES: 9, 10, 11, 12

TRIMESTERS: 1

Creative Writing emphasizes the creation of fiction and exploring the elements that form the core of the genre: character, dialogue, plotline and conflict. In addition, students will propose and work on independent creative writing projects that will span the whole trimester. Using mentor texts as our guides, we will push the boundaries of what we are capable of doing as creative writers. The core of the class is being creative and so students should be comfortable taking risks when trying out new ideas.

POETRY

(Elective)

PREREQUISITES: None

CREDITS: 0.5

GRADES: 10, 11, 12

TRIMESTERS: 1

Poetry is an elective class where students study poetic devices and techniques in contemporary poetry. Students will also create their own poetry, share their work with their peers, and make in-depth, personal and real-world connections in their writing to meet class requirements. At the end of the term, students will compile their work into a personal chapbook (a collection of poems). Participation is essential; **EXCEPTIONAL attendance is required**. And now, here's an extended haiku by Lilianna Santos to entice you:

Poetry relieves
Even the cloudiest minds;
Turn the dark to light

As energetic
Or as quiet you may be
Here, you may release
A letter to all
Or even simply to one
Let the words flood out
A place to be free
To speak of the unspoken
Shock the world with words

Put words to paper
One emotion at a time

Speak of the untold

Prepare to amaze
The world is your audience
Show us what you got

To unleash your voice
Release what's hidden within
You will be amazed

Poetry is in
Everything you can think of
You just have to look

SCIENCE FICTION LITERATURE

(Elective)

PREREQUISITE: None

CREDIT: 0.5

GRADES: 11, 12

TRIMESTERS: 1

This course addresses major themes in the genre of science fiction, specifically how contact with “the other” can reframe our thinking about the world. A primary goal for the course is to try to define the genre of science fiction based on its historical context and features. Daily class discussion, driven by careful reading and questioning, is a key part of the course.

WORK EXPERIENCE

(Elective)

PREREQUISITE & REQUIREMENTS OF THE COURSE:

- Completed Work Experience Form and verification of employment (pay stubs)
- Work Experience Form must be completed each trimester
- A maximum of 2 periods or 1.0 credit each trimester is permissible
- Student must work a total of 10 hours per week (120 hours = .5 credit)
- Student must submit each pay stub received during trimester

CREDIT: 0.5 (may be repeated for a total of 6.0 credits over two years)

GRADES: 11, 12

TRIMESTERS: 1

The North Marion High School Work Experience program is open to students who select a work place in their chosen career area or an area based on individual interests, strengths, and career options. The program intends to allow the student to gain real-life experience and insight into their chosen area.

PSYCHOLOGY

(Elective)

PREREQUISITE: None

CREDITS: 0.5

GRADES: 10, 11, 12

TRIMESTERS: 1

This course features the study of personality theory and conditioning, stress and health, mental disorders, gender roles, therapy, human interaction and attitudes and social influence.

YEARBOOK	(Elective)
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PREREQUISITES: Intro to Art

CREDIT: 0.5 (may be repeated)

GRADES: 9, 10, 11, 12

TRIMESTERS: 1

Students in the Yearbook class are the business leaders and decision-makers of the yearbook staff of North Marion High School. Yearbook is a production elective that develops the school yearbook which may include traditional printed books as well as multimedia. Members of the staff are expected to have a high level of maturity and the ability to work independently both in and outside of school. This is a wonderful opportunity for members of the team to exercise their creativity, while developing new skills in computer design, photography, marketing, budget management, copy writing, project management, distribution and advertisement, and book sales. Creating the yearbook is a fun process and the end result of all the effort is a product the students can be proud of.

ENGLISH

The English program is designed to provide a variety of educational experiences for students. Course offerings have been developed to provide experiences in reading and literature, language, oral and written communication.

ENGLISH 9 A & B	(Required)
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PREREQUISITE: None

CREDIT: 1.0

GRADES: 9

TRIMESTERS: 2

English 9 is a required freshman survey course in which students study a variety of literary genres, including short story, drama, poetry, nonfiction and novels while developing writing and analytical skills. Reading, writing, vocabulary and literary terms are emphasized.

HIGH SCHOOL COMPOSITION

PREREQUISITE: None

CREDIT: 0.5

GRADES: 10

TRIMESTERS: 1

Composition for High School is a writing course designed to prepare students for success in high school and beyond. While exploring various modes of writing, students will expand their skills in verbal expression, written organization and development, vocabulary, grammar, usage, punctuation and word processing. Emphasis will be placed on revision and evaluation using the writing traits and the state writing standards. This course is required for all sophomores.

ENGLISH 10 A & B	(Required)
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PREREQUISITE: None

CREDIT: 1.0

GRADES: 10

TRIMESTERS: 2

English 10 is a required sophomore survey course in which students study various literary genres while developing analytical and critical thinking skills. Students will continue to expand their essay-writing skills, vocabulary and understanding of literary terms. Students should expect regular homework assignments.

ENGLISH 10 Honors A & B	(fulfills Soph. English Requirement)
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PREREQUISITE: Teacher Recommendation

CREDIT: 1.0

GRADES: 10

TRIMESTERS: 2

English 10 Honors is an accelerated course for sophomores who want a challenging study of contemporary and multi-cultural literature. Students will write a variety of essays and give oral presentations. In addition, they will read a variety of literary genres and learn literary terminology. Students should expect no less than one hour of homework each day. ***Because participation is essential in this class, EXCEPTIONAL attendance is required.*** In order for students to continue in the program, students must maintain at least a C.

ENGLISH 11 A & B	(Required)
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PREREQUISITE: None

CREDIT: 1.0

GRADES: 11

TRIMESTERS: 2

English 11 is a required junior course in which students study the diversity of American society through its history of literature. Students will continue to develop vocabulary, critical thinking skills, and analysis through reading, writing and discussion. Students should expect homework.

ENGLISH 11 HONORS A & B	(fulfills Jr. English Requirement)
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PREREQUISITE: Teacher Recommendation

CREDIT: 1.0

GRADES: 11

TRIMESTERS: 2

English 11 Honors is an accelerated class for those students who plan to attend college. Through extensive reading and writing of various genres, students will study and analyze American literature and society. Emphasis will be on composition skills, reading and analyzing novels and short stories, vocabulary development, and applying literary terminology. Students should expect no less than one hour of homework each day. ***Because participation is essential in this class, EXCEPTIONAL attendance is required.*** In order for students to continue in the program students must maintain at least a C.

ENGLISH 12 A & B	(Required)
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PREREQUISITE: None

CREDIT: 1.0

GRADES: 12

TRIMESTERS: 2

Is a required course in which students will study novels from three international authors and engage in required Socratic Seminars to foster the key skills of reading with a critical eye and speaking clearly to present, discuss, and defend their

ideas. The second trimester's focus is a self-chosen and self-directed senior capstone writing project designed to prepare them for their future academic or professional careers.

ENGLISH 12 HONORS A (WRITING 121)

(fulfills Sr. English Requirement)

PREREQUISITE: None

CREDIT: 0.5 (also 4 college credits)

GRADES: 12

TRIMESTERS: 1

Writing 121 is a college-level writing course in which students learn the basics of writing college-level argumentation. They will engage in basic research strategies to develop a stance or position on an issue that they wish to dive into through the writing and revision process. Using mentor texts, they will work through the writing and re-writing process to develop their essay. Key to the course is the culmination reflection essay where they consider in great detail the process they used to move from the first to final drafts. Annotated bibliographies are also covered. This is a Willamette Promise class offered through Western Oregon.

ENGLISH 12 HONORS B (WRITING 122)

(fulfills Sr. English Requirement)

PREREQUISITE: None

CREDIT: 0.5 (also 4 college credits)

GRADES: 12

TRIMESTERS: 1

Similar to 121, Writing 122 further develops the skills in argumentation, critical thinking, and rhetorical awareness. Students will learn about the impact of audiences on writing and how to craft their rhetorical appeals based on their argumentative claims and those audiences. The course also covers how to write logical and well-organized prose. Research skills are strengthened. This is a Willamette Promise class offered through Western Oregon.

ENGLISH LANGUAGE LEARNERS (ELL)

ELL LANGUAGE DEVELOPMENT 1, 2

(Elective)

PREREQUISITES: ESL LANGUAGE ASSESSMENT TEST LEVELS 1-3

CREDITS: 0.5

GRADES: 9, 10, 11, 12

TRIMESTERS: 3

The goal of ESL Language Development 1 is for ESL students to gain an understanding of the English language and simultaneously develop oral proficiency through speaking, listening, reading and writing activities that occur in everyday life.

ELL LANGUAGE DEVELOPMENT 3, 4

(Elective)

PREREQUISITES: ESL LANGUAGE ASSESSMENT TEST LEVELS 4-5

CREDITS: 0.5

GRADES: 9, 10, 11, 12

TRIMESTERS: 2/3

The goal of ESL Language Development II course is for ESL students with an intermediate level, early advanced level or an advanced level score on an ESL language test to improve their knowledge and overall mastery of complex grammatical structures in English through specific activities that emphasize reading, writing, and speaking at an advanced level.

FAMILY & CONSUMER SCIENCE

The Family and Consumer Studies department offers courses in food nutrition, food preparation, child development, parenting and issues relating to family.

FOODS & CULINARY FUNDAMENTALS

(CTE)

PREREQUISITE: None

FEE: \$10

CREDIT: 0.5 (CANNOT be repeated) **GRADES:** 9, 10, 11, 12

TRIMESTERS: 1

Come explore the culinary world! This class introduces students to fundamentals for food planning and preparation. Discover the science behind the foods we are all familiar with and experience some flavors that are new.

CULINARY ARTS 1, 2

(CTE)

PREREQUISITE: Foods & Culinary Fundamentals

FEE: \$10

CREDIT: 0.5 **GRADES:** 9, 10, 11, 12

TRIMESTERS: 1

This course is designed for those who want to expand on their cooking knowledge and skills. These classes follow the ProStart curriculum which gives students the skill necessary for success in the variety of culinary careers and college culinary programs available today. Culinary 1 A, B and C is taught in odd school years. Culinary 2 A, B and C is taught in even years. The six units of study can be taken in any order.

CHILD DEVELOPMENT

(CTE)

PREREQUISITE: None

CREDIT: 0.5 (CANNOT be repeated) **GRADES:** 9, 10, 11, 12

TRIMESTERS: 1

This class provides an introductory study for students interested in working with children as a care provider, a parent, an advocate or educator. Focus is on conception through the first three years of life. Topics covered include: physical, emotional, and social development, roles of parenthood, and at-risk behaviors as they affect children. Students have the opportunity to interact with children in the North Marion Preschool.

HEALTH / PHYSICAL EDUCATION

North Marion's Health and Physical Education Program is designed towards the development of the Health Education PE standard in accordance with Oregon Standards. Development of the Health Education Standards has been undertaken by the Oregon Association of the Advancement of Health Education (OAAHE). These standards are based on the National Health Education Standards. Physical Education Standards were developed by the Oregon Association for Physical Education (OAPE) and are based on the National Standards for Physical Education. Among these curriculum goals are:

Healthy and Fit Body – Understand and integrate concepts of physical, mental and emotional health;

Controllable Health Risks - Apply prevention and risk reduction concepts to health-related problems. Aids education is included in K-12 health courses as required by the Department of Education;

Safe and Healthy Environment – Explain safe physical, social and emotional environments for individuals, families, schools and communities.

HEALTH COURSES

WELLNESS	(Required)
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PREREQUISITES: None

CREDITS: 0.5

GRADES: 10

TRIMESTERS: 1

Students will learn about mental and emotional health, growth and development, nutrition, personal health and physical activity, alcohol, tobacco, and other drugs.

SOCIAL HEALTH	(Required)
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PREREQUISITES: None

CREDITS: 0.5

GRADES: 11

TRIMESTERS: 1

Students will develop an understanding of family and social health, communicable and chronic diseases, consumer and community health, environmental health, and injury prevention and safety.

PHYSICAL EDUCATION COURSES

PE 1	(PE)
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PREREQUISITES: None

CREDITS: 0.5

GRADES: 9 (ONLY) TRIMESTERS: 1



This course is the first of two classes that fulfil the district and state requirement for physical education and state content. Students will learn the fundamentals of physical fitness through a variety of activities, such as cardiovascular training, yoga, lifelong fitness games (i.e. tennis), and strength training, as well as learning how technology can contribute to a physically active lifestyle (such as fitness tracking apps, access to videos, etc.). Students will assess their own levels of fitness and write goals for improvement in specific fitness areas, then analyze the improvements they made throughout the term.

PE 2**(PE)****PREREQUISITES: None****CREDITS: 0.5 (May be repeated – unlimited)****GRADES: 10, 11, 12 TRIMESTERS: 1**

PE 2 is for students who were not able to obtain a PE 1 credit during their freshman year and will fulfill the district and state requirement for physical education and the state content standards for Physical Education. Units include individual, dual (tennis, badminton) and team (lacrosse, speed away, cooperative games, ultimate frisbee and team handball) activities and physical conditioning. Emphasis will be on applying skills and rules in game situations and communicating basic strategies to others.

Students will be given the opportunity to demonstrate the application of conflict resolution strategies in appropriate ways. Students will assess and analyze their personal fitness status and write a personal fitness and activity program.

EVERYDAY FITNESS**(PE)****PREREQUISITES: PE1 or PE2****CREDITS: 0.5 (May be repeated – unlimited)****GRADES: 10, 11, 12 TRIMESTERS: 1**

This course qualifies as the second of two classes that fulfill the district and state requirement for physical education and the state content standards for Physical Education. This class focuses on cardiovascular activities that can lead to overall fitness and healthy weight loss. Activities will include, but are not limited to jogging and walking, dancing (such as ZUMBA), circuit weight training, and comprehensive workouts like yoga and Pilates. Students will learn activities they can participate in after the class is completed, so they can continue to maintain a healthy life style!

JOGGING FOR FITNESS**(PE)****PREREQUISITES: PE 1 or PE 2****CREDITS: 0.5 (May be repeated – unlimited)****GRADES: 10, 11, 12 TRIMESTERS: 1**

This course qualifies as the second of two classes that fulfill the district and state requirement for a physical education and the state content standards for Physical Education. Students will develop and participate in a jogging/walking program to gain and maintain cardiorespiratory fitness.

NET GAMES**(PE)****PREREQUISITES: PE 1 or PE 2****CREDITS: 0.5 (May be repeated – unlimited)****GRADES: 10, 11, 12 TRIMESTERS: 1**

This course qualifies as the second of two classes that fulfill district and state requirements for PE. This class will cover a variety of net based sports and activities, such as volleyball, tennis, badminton, and pickle ball. Students will spend time learning the basics and fundamentals of each, then have an opportunity to put those skills into practice through game play.

RECREATIONAL BASKETBALL**(PE)****PREREQUISITES: PE 1 or PE 2****CREDITS: 0.5 (May be repeated – unlimited)****GRADES: 10, 11, 12 TRIMESTERS: 1**



This course qualifies as the second of two classes that fulfill the district and state requirement for physical education and the state content standards for Physical Education. This course will promote fitness and recreation through instruction in basketball fundamentals. Instruction on play will include shooting, dribbling, rebounding, defensive positioning, rules, strategy, and knowledge and history of the game.

RECREATIONAL TENNIS (FALL or SPRING)

(PE)

PREREQUISITES: PE 1 or PE 2

CREDITS: 0.5 (May be repeated – unlimited)

GRADES: 10, 11, 12 TRIMESTERS: 1



This course qualifies as the second of two classes that fulfill the district and state requirement for physical education and the state content standards for Physical Education. This course will promote fitness and recreation through instruction in tennis fundamentals. Instruction on play will include stroke production, rules, strategy, scoring, etiquette, and history of the game.

RECREATIONAL VOLLEYBALL

(PE)

PREREQUISITES: PE 1 or PE 2

CREDITS: 0.5 (May be repeated – unlimited)

GRADES: 10, 11, 12 TRIMESTERS: 1



This course qualifies as the second of two classes that fulfill the district and state requirement for physical education and the state content standards for Physical Education. This course will promote fitness and recreation through instruction in volleyball fundamentals. Instruction on play will include passing, serving, hitting, defensive positioning, rules, strategy and knowledge and history of the game.

WEIGHT TRAINING

(PE)

PREREQUISITES: PE 1 or PE 2

CREDITS: 0.5 (May be repeated – unlimited)

GRADES: 10, 11, 12 TRIMESTERS: 1



This course qualifies as the second of two classes that fulfill the district and state requirement for physical education and the state content standards for Physical Education. This class focuses on improving the muscular strength and endurance of students. The primary activity is weight lifting, with a variety of cross training to ensure a balanced approach to fitness. Students will complete a strength training program, set goals, and work towards achieving those goals.

ULTIMATE GAMES

(PE)

PREREQUISITES: PE 1 or PE 2

CREDITS: 0.5 (May be repeated – unlimited)

GRADES: 10, 11, 12 TRIMESTERS: 1



This course qualifies as the second of two classes that fulfill the district and state requirement for physical education and the state content standards for Physical Education. This course will expose the student to a variety of sport activities. The course may include activities such as basketball, softball, football, hockey, volleyball, badminton, table tennis, lacrosse and soccer.

HEALTH SERVICES

Intro to Health Services

(CTE)

PREREQUISITE: None

CREDIT: 0.5 **GRADES:** 9, 10, 11, 12

TRIMESTERS: 1

The purpose of this course is to give students an opportunity to learn about health care careers in a general investigation. Students will be preparing to become involved in upper level classes in the Health Services program. Topics covered are history and trends of healthcare, health care systems, careers in healthcare, personal and professional qualities of a healthcare worker, legal and medical ethics, and FAST training.

Medical Terminology 1

(CTE)

PREREQUISITE: None

CREDIT: 0.5 **GRADES:** 9, 10, 11, 12

TRIMESTERS: 1

This course is designed to introduce you to medical terminology and language – the technical language of medicine. With medical terminology you will learn to identify word root/combining forms, prefixes and suffixes then use them to analyze and build medical terms. Emphasis will be placed on meaning, correct spelling and pronunciation of medical terms. This will assist you in preparing for a career in health care, veterinary science, fire science, or as an EMT.

Medical Terminology 2

(CTE)

PREREQUISITE: Medical Terminology 1

CREDIT: 0.5 **GRADES:** 9, 10, 11, 12

TRIMESTERS: 1

This course is designed to introduce you to medical terminology and language – the technical language of medicine. With medical terminology you will learn to identify word root/combining forms, prefixes and suffixes then use them to analyze and build medical terms. Emphasis will be placed on meaning, correct spelling and pronunciation of medical terms. This will assist you in preparing for medical communication in one of the vast array of occupations now available in the health care industry.

Career Pathway: Manufacturing Metals Technology

The Industrial and Engineering Systems Career Learning Area relates to the technologies used to design, develop, install, operate, maintain and upgrade physical systems. People in this field use academic and technological knowledge and skills to design, build, inspect, deliver, maintain, and repair aircraft, automobiles, buildings, computer equipment, roads, bridges and manufacturing machinery and robots.

Additionally, students learn to work in teams to complete shared tasks and build leadership skills by helping less experienced students improve their own career ready skills. The exploration of other career and

technical education (CTE) fields is also emphasized. **Students are encouraged to participate in the pre-apprenticeship program to earn points on their applications and place higher on the job lists.**

SkillsUSA is a student-led organization that forms a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. **SkillsUSA** helps each student excel by providing educational programs, events and competitions that support career and technical education (CTE) in the nation's classrooms. Participation is strongly recommended for all coursework above the introductory classes.

Please be aware each of these classes require a **\$10/course fee**.

NMHS Career Pathway Courses	Career Experience Opportunities	College Credit Available
<u>Complete 2 Pathway Core Courses</u> - Intro to Metals - Manufacturing Senior Portfolio Capstone	~ SkillsUSA ~ Career Fair College of Engineering Tour(s)	~ Fundamental Trade Skills (Chemeketa CC-APR101)
<u>Complete 2 Specialized Courses</u> Metal Fabrication 1 & 2	Trade-Related Training Center Tour(s)	
<u>Complete 2 or more Advanced** courses</u> Adv Metal Fab A, B, C	Other worked-based learning projects as approved	

INTRO TO METALS

(CTE)

PREREQUISITES: None
Credit .5

GRADES: 9, 10, 11, 12

FEE: \$10
TRIMESTERS: 1

This introductory course is designed to give students the basic knowledge and concepts in metal fabrication. The lab skills students will learn include how to work safely in a shop environment, use of tools for cold and hot metal working, basic metallurgy and SMAW or ARC welding. The final will include practical demonstration of skills required to move on to the next level class.

METAL FABRICATION 1

(CTE)

PREREQUISITES: Intro to Metals with proficiency demonstrated
Credit .5 (can be retaken for a higher grade)

GRADES: 9, 10, 11, 12

FEE: \$10
TRIMESTERS: 1

This course builds upon the foundation level skills students' gained in Intro to Metals; preparing students to fabricate and design projects. Instruction includes advanced SMAW welding, blueprint reading and design, and metal forging. Safety, quality control, weld critique and team leading are emphasized. The final will include practical demonstration of skills required to move on to the next level class.

METAL FABRICATION 2**(CTE)**

PREREQUISITES: Intro to Metals 1 with proficiency demonstrated

FEE: \$10

Credit .5

(can be retaken for a higher grade)

GRADES: 10, 11, 12

TRIMESTERS: 1

This course continues to build on the skills and knowledge gained in Metal Fabrication 1. This course allows students to develop their skills in metal fabrication to a deeper level. The course is project-based with 1 teacher assigned and 2 student designed projects. Students will use a variety of fabrication including but not limited to sheet metal, forging and/or welding. The final will include practical demonstration of skills required to move on to the Advanced Metal Fabrication class.

ADVANCED METAL FABRICATION A/B/C**(CTE)**

PREREQUISITES: Metal Fabrication 2 with proficiency demonstrated

FEE: \$10

Credit .5

(can be retaken for additional credit)

GRADES: 10, 11, 12

TRIMESTERS: 1

This course continues to build on the skills and knowledge gained in Metal Fabrication 2. This course is project-based with 3 student designed projects. Students will use a variety of fabrication including but not limited to sheet metal, forging and/or welding.

MANUFACTURING SENIOR PORTFOLIO CAPSTONE**(CTE)**

PREREQUISITES: Instructor Recommendation Only

Credit .5

GRADES: 11, 12

TRIMESTERS: 1

This is where the work that student has been doing receives the attention it deserves! They will pull all their work into a single presentation piece (depending on pathway) and this course gives them the time and space to do it right. Presentations will involve community members and/or participation in the relevant SkillsUSA competition to help refine their skills in communication and presence. Students will receive special recognition at graduation as well as a solid work sample to impress future professors and/or employers.

Career Pathway: Construction Technology & Woodworking

A career in construction spans from laborers to skilled craftsmen jobs. Construction careers in today's market are all about high-tech, high-stakes, huge earning potential and the opportunity to travel the world. Students are introduced to the tools of the trade, trade specific vocabulary, and work ethics commonly found in the residential and commercial construction industry. The exploration of other career and technical education (CTE) fields is also emphasized. **Students are encouraged to participate in the pre-apprenticeship program to earn points on their applications and place higher on the job lists.**

Optionally, students can pursue a woodworking pathway that introduces students to small projects around the house and/or artistry of woodworking. Many of the same tools and vocabulary are addressed, but the focus for this pathway is more of a lifelong learning curriculum for the hobbyist or non-construction student.

SkillsUSA is a student-led organization that forms a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. **SkillsUSA** helps each student excel by providing educational programs, events and competitions that support career and technical education (CTE) in the nation's classrooms. Participation is strongly recommended for all coursework above the introductory classes.

Please be aware each of the Construction & Woodworking classes require a **\$10/course fee**.

NMHS Career Pathway Courses	Career Experience Opportunities	College Credit Available
<u>Complete 2 Pathway Core Courses</u> - Intro to Woods - Construction Technology or Woodworking Senior Portfolio Capstone <u>Complete 2 or more Specialized Courses (see Moran for guidance on selecting a pathway and the appropriate related coursework)</u> - Carpentry 1 & 2 - Woodworking 1 & 2 <u>Complete 2 or more Advanced courses</u> - Advanced Woods A/B/C	~ SkillsUSA ~ Career Fair ✓ Salem Career Construction Day ~ Local Trade Fairs Trade-Related Training Center Tour(s) ~ Preapprenticeship ✓ Other work-based learning projects as approved	~ Fundamental Trade Skills (Chemeketa CC)

*Advanced means selected coursework above the introductory level. Please see Moran for individual guidance.

INTRO TO WOODS	(CTE)
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PREREQUISITES: None
Credit .5

GRADES: 9, 10, 11, 12

FEE: \$10
TRIMESTERS: ALL

Come to this class if you want to learn how to safely use power and hand tools commonly found in the woodshop and on the construction site. These skills will help you obtain and keep a high demand job in a high demand field. Even more importantly, you will get to make several wood projects to share with friends! Intro to Woods examines different types of woods and simple wood joinery.

CARPENTRY 1**(CTE)**

PREREQUISITES: Intro to Woods
Credit .5

GRADES: 9, 10, 11, 12

FEE: \$10
TRIMESTERS: Spring

This course is designed to build on skills and knowledge gained in Intro to Woods class. New machinery and procedures will be added to the student's knowledge base and then practice on shop projects. Students will learn basic residential construction techniques with an emphasis on framing and basic cabinetry. Students will learn to work in crews as both a team member and as a team leader. Safety, relevant workplaces skills, vocabulary, and safe shop attitudes are emphasized.

CARPENTRY 2**(CTE)**

PREREQUISITES: Pass Carpentry 1 with C or better/Instructor Approval
Credit .5

GRADES: 10, 11, 12

FEE: \$10
TRIMESTERS: Spring

This course continues to build on the skills and knowledge gained in Intro to Woods and Carpentry 1. Students will learn about the various construction trades with an emphasis on finish carpentry such as advanced cabinetry (using CNC machines), trim, flooring materials, etc. Students will continue to improve their construction skills and learn about relevant trade schools, apprenticeships, and other secondary education opportunities. Safety, relevant workplaces skills, vocabulary, and safe shop attitudes are emphasized.

WOODWORKING 1**(CTE)**

PREREQUISITES: Intro to Woods
Credit .5

GRADES: 9, 10, 11, 12

FEE: \$10
TRIMESTERS: ALL

This class is recommended for those students who want to continue learning more about fine woodworking small projects. Finish cabinetry, wood artistry, and the wood lathe figure highly in this projects-based class and is recommended to further develop skills using tools in a variety of applications. Career awareness is explored. Safe operation and maintenance of equipment and the safe shop attitude are emphasized.

WOODWORKING 2**(CTE)**

PREREQUISITES: Pass Woodworking 1 with C or better/Instructor Approval
Credit .5

GRADES: 10, 11, 12

FEE: \$10
TRIMESTERS: ALL

This class is for students who want to take their woodworking skills to the next level and focus on increasing their artistry and craftsmanship. Students further explore manufacturing artistic projects on the lathe and the CNC router is introduced. Students will learn complex techniques and processes regarding turning, joinery and manufacturing

products. Additionally, taking leadership roles is an integral part of the course as students train others which encourages collaboration and team building. Safe operation and maintenance of equipment and the safe shop attitude are emphasized.

ADVANCED WOODS PROJECTS A, B, C

(CTE)

PREREQUISITES: Instructor Recommendation Only

FEE: \$10

Credit .5 (can be repeated for additional credit) GRADES: 11, 12

TRIMESTERS: ALL

Advanced Woods Projects A (AWP-A) includes advanced projects that continue to build on work done in either the Carpentry or Woodworking pathway. AWP-B requires at least one major term project that brings together multiple construction and/or woodworking skills such as cabinetry, finish carpentry, and community service. AWP-C requires one major term-length project that brings together multiple construction and/or woodworking skills such as cabinetry, finish carpentry, and community service to be determined prior to approval by the instructor. Woods projects are student-driven and require that students show above average (80% or better) academic achievement in their previous carpentry and/or woodworking classes to be approved for advancement in this sequence of courses. Chemeketa dual credit (APR101) is available for students interested in pursuing apprenticeship in the trades.

CONSTRUCTION/WOODWORKING SENIOR PORTFOLIO CAPSTONE

(CTE)

PREREQUISITES: Instructor Recommendation Only

Credit .5

GRADES: 11, 12

TRIMESTERS: ALL

This is where the work that student has been doing receives the attention it deserves! They will prepare an industry-appropriate resume, cover letter, presentation of concepts mastered, and a technical skill demonstration. A portfolio of work and any certifications accumulated shall be the centerpiece of this course. Presentations will involve community members and/or participation in the relevant SkillsUSA competition to help refine skills in communication and presence. Students will receive special recognition at graduation as well as a solid work sample to impress future professors and/or employers. Students can receive college credit and pre-apprenticeship points on trade-related applications.

Career Pathway: Information and Communication Technology (ICT)

ICT (also known as Computer Science) is the career cluster that focuses on creating and maintaining computer systems and infrastructures that help to increase the availability and accessibility of information and media. Computer Science isn't just about programming computers, but using computers to accomplish

many different tasks that enable humans to use their time more efficiently and often safer than previously done. Students will be introduced to various career opportunities in the field of digital media, digital fabrication, programming and software development, robotics engineering, and technical support.

SkillsUSA is a student-led organization that forms a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. **SkillsUSA** helps each student excel by providing educational programs, events and competitions that support career and technical education (CTE) in the nation's classrooms. Participation is strongly recommended for all coursework above the introductory classes.

PLEASE NOTE: There is a prerequisite to enter this program of study. By the end of Intro to Computer Science, they will be prepared to pick the ICT pathway(s) they want to focus on to earn special recognition as a CTE completer. Students are encouraged to complete more than one Career Pathway.

NMHS Career Pathway Courses (Complete 6 courses total)	Career Experience Opportunities	College Credit Available
<u>2 Intermediate Pathway Courses</u> - Digital Media 1 & 2 - Digital Fabrication** 1 & 2 - Programming & Software Development 1 & 2 - Robotics Engineering** 1 & 2 - Technical Support 1 & 2 <u>3 Advanced Pathway Courses</u> - Adv CS Projects A/B/C - Adv Robotics Projects A/B/C - Adv Digital Fab Projects A/B/C <u>1 Senior Portfolio</u> - Capstone-Computer Science - Capstone-Digital Fabrication - Capstone-Robotics Engineering	~ SkillsUSA ~ Career Fair ~ A+ certifications ~ Cybersecurity Badges ~ Related industry tours Other authentic work-based learning projects as approved	~ Survey of Computer Science (CS160 @ WOU) ~Introduction to Robotics (MT105 at Chemeketa)

.**Robotics Engineering & Digital Fabrication classes have a \$10 lab fee).

INTRO TO COMPUTER SCIENCE (ICT)	(CTE)
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PREREQUISITES: None
Credit .5

GRADES: 9, 10, 11, 12

TRIMESTERS: 1 & 2

Intro to Computer Science is a survey course that allows students the opportunity to try a module of each of programming & software development, robotics programming, and computer numerical control (CNC) as it

relates to the use of Computer Science in a variety of high paying and high demand jobs in industry. Some career exploration and a related industry tour are included. By the end of the class, students will select which ICT pathway(s) they would like to pursue further.

COMPUTER SCIENCE CAREER PATHWAY

DIGITAL MEDIA 1 & 2

(CTE)

PREREQUISITES: Intro to CS (or instructor approval)

Credit .5

GRADES: 9, 10, 11, 12

TRIMESTERS: 1, 2, 3

Sometimes referred to as Graphic Design or Multimedia Methods, this sequence of intermediate courses is designed to build on skills and knowledge gained in the Intro to Computer Science class. A digital media specialist brings ideas to life through technology. They estimate the costs and the length of the job and determine what resources will be needed to bring the project to completion on time. When designing, a digital media specialist determines the look and feel, selects colors, and creates a visually appealing layout. The focus of **Digital Media 1** is photo editing and the introduction of video editing. In **Digital Media 2**, students continue their skill building while creating a digital portfolio to showcase work completed in the pathway. Students focus their study of digital media through the development of computer apps and website creation in the advanced courses in order to increase photo and video editing skills as well as the development of an ePortfolio website.

PROGRAMMING & SOFTWARE DEVELOPMENT 1 & 2

(CTE)

PREREQUISITES: Intro to CS (or instructor approval)

Credit .5

GRADES: 9, 10, 11, 12

FEE: CCN \$30

TRIMESTERS: 1, 2, 3

This sequence of courses continues building student's knowledge of programming languages as well as introducing the Internet of Things, Machine Architecture, Artificial Intelligence, and Big Data. Computer programmers and software engineers design, create and maintain software. They may analyze, design, develop, test and maintain computer and Internet-based applications. They also write specialized applications or make custom programs to satisfy a user's particular needs. Programming & Software Development 1&2 builds game building skills and is designed as an introduction to computer programming and developing software applications for desktop and/or mobile devices. **Students can also obtain college credit through Western Oregon University for completion of the two intermediate courses** (optional).

TECHNICAL SUPPORT 1 & 2

(CTE)

PREREQUISITES: Intro to CS (or instructor approval)

Credit .5

GRADES: 9, 10, 11, 12

TRIMESTERS: 1, 2, 3

If you like helping others solve their computer problems, troubleshooting why a computer can't access the Internet, or swapping out graphics cards in PCs, then this is the class for you! A technical support specialist is a vital part of the contact between customers and a company. Educating users is part of the job, as well as solving hardware or software operation and application problems. Students will learn how to upgrade, update, troubleshoot, and fix computers while studying for their CompTIA A+ certification. The end result of this pathway assists students who want to obtain their A+ certification as a CompTIA Secure Infrastructure Specialist. Special attention will be given to cybersecurity issues.

ADVANCED COMPUTER SCIENCE PROJECTS A, B, & C

(CTE)

PREREQUISITES: Completion of 2 intermediate courses with 70%

Credit .5 (can be repeated for additional credit) **GRADES:** 10, 11, 12

TRIMESTERS: 1, 2, 3

This sequence is for the student who wants to continue to hone their skills in a specific computer science topic. It will include projects directly related to the student's selected pathway. Courses require at least one major term project that includes an appropriate industry-recognized certification. The acquisition of an additional industry-recognized certification is encouraged. Projects are student-driven with instructor approval.

COMPUTER SCIENCE SENIOR PORTFOLIO CAPSTONE

(CTE)

PREREQUISITES: Instructor Recommendation Only

Credit .5

GRADES: 11, 12

TRIMESTERS: 1, 2, 3

Depending on focus, students will enroll in the relevant capstone course (Digital Media, Programming & Software Development, or Technical Support). This is where the work that students have been doing receives the attention it deserves! They will pull all their work into a single presentation piece (depending on pathway) and this course gives them the time and space to do it right. Presentations will involve community members and/or participation in the relevant SkillsUSA competition to help refine skills in communication and presence. Students will receive special recognition at graduation as well as a solid work sample to impress future professors and/or employers.

ROBOTICS ENGINEERING CAREER PATHWAY

ROBOTICS ENGINEERING 1 & 2 (formerly Engineering Systems)**(CTE)**

PREREQUISITES: Intro to CS (or Concurrent Enrollment or Instructor Approval)
Credit .5

GRADES: 9, 10, 11, 12

FEE: \$10

TRIMESTERS: 1, 2, 3

Come to this class if you want to learn to build, design, and program robots to move autonomously or using a remote control. We use industry-standard computer software to program virtual and actual robots. Students will be instructed in related safety procedures and equipment, learn to read basic blueprints, and turn their own designs into a working robot. Robots are increasingly a part of our world, making manufacturing more productive and performing tasks that humans can't or shouldn't do. Roboticists are the people who keep the robots on the job and rely on a detailed understanding of computers, electronics and mechanics. Team building activities are also a focus in this class.

ADVANCED ROBOTICS ENGINEERING PROJECTS A, B,& C**(CTE)**

PREREQUISITES: Completion of 2 intermediate courses with 70%
Credit .5

GRADES: 10, 11, 12

FEE: \$10

TRIMESTERS: 1

This sequence is for the student who wants to continue to hone their skills in robotics engineering. A major emphasis is placed on leadership and team-building in these advanced classes. All advanced students are required to attend the majority of regional competitions and state as indicated at the beginning of the term. **Students can also obtain college credit through Chemeketa College for completion of these courses** (optional- \$30 CCN fee)

ROBOTICS ENGINEERING SENIOR PORTFOLIO CAPSTONE**(CTE)**

PREREQUISITES: Instructor Recommendation Only
Credit .5

GRADES: 11, 12

TRIMESTERS: 1

This is where the work that student has been doing receives the attention it deserves! They will pull all their work into a single presentation piece (depending on pathway) and this course gives them the time and space to do it right. Presentations will involve community members and/or participation in the relevant SkillsUSA competition to help refine their skills in communication and presence. Students will receive special recognition at graduation as well as a solid work sample to impress future professors and/or employers.

DIGITAL FABRICATION CAREER PATHWAY

DIGITAL FABRICATION 1 & 2 (formerly Manufacturing Tech)**(CTE)**

PREREQUISITES: Intro to CS or Concurrent Enrollment or Instructor Approval
Credit .5

GRADES: 9, 10, 11, 12

FEE: \$10

TRIMESTERS: 1

In this digital fabrication projects-based sequence, students will learn the basics of the manufacturing process starting with the initial design and ending with several projects made in plastics, woods, and other natural and man-made materials. Students will learn how to use industry-standard computer-aided design (CAD) and computer aided manufacturing (CAM) programs in addition to using computer numerical control equipment (CNC) like vinyl cutters, 3D printers, CNC routers, and laser engravers. Career awareness as well as being a producer rather than just a consumer of products is also emphasized.

ADVANCED DIGITAL FABRICATION PROJECTS A, B, C**(CTE)**

PREREQUISITES:
Credit .5

FEE: \$10

GRADES: 10, 11, 12

TRIMESTERS: 1

This sequence is for the student who wants to continue to hone their skills in Digital Fabrication methods and equipment. These courses also include several major term-length projects that emphasize leadership, team-building, and community service to be determined between instructor and students.. Digital fabrication projects are student-driven with instructor approval. Students must show above average (80% or better) academic achievement in their previous manufacturing classes to be approved for this course.

DIGITAL FABRICATION SENIOR PORTFOLIO CAPSTONE**(CTE)**

PREREQUISITES: Instructor Recommendation Only
Credit .5

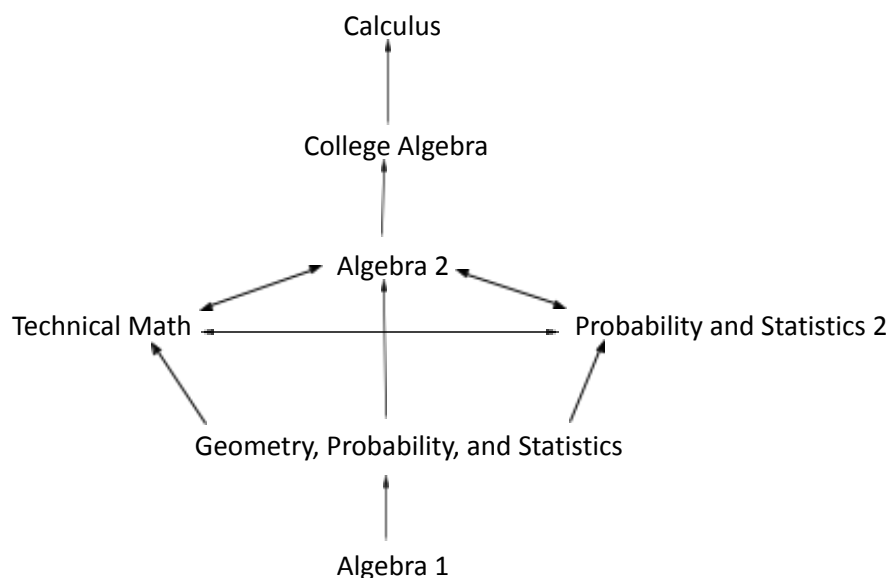
GRADES: 11, 12

TRIMESTERS: 1

This is where the work that student has been doing receives the attention it deserves! They will pull all their work into a single presentation piece (depending on pathway) and this course gives them the time and space to do it right. Presentations will involve community members and/or participation in the relevant SkillsUSA competition to help refine their skills in communication and presence. Students will receive special recognition at graduation as well as a solid work sample to impress future professors and/or employers.

MATHEMATICS

Mathematics is basic to most human endeavors. More advanced skills are essential for any student planning on further education leading to a career in a technical field such as science, law, medicine, engineering, electronics, computers or architecture and design.



North Marion's mathematics program follows a two plus one model. All students are required to earn credit for Algebra 1 and Geometry, Probability, and Statistics. Then students have a choice of elective third year courses. **Students should note that the mathematics entrance requirement for all Oregon four-year universities includes three (3) years of mathematics through Algebra 2.**

ALGEBRA 1 A, B & C	(Mathematics/Elective)
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CREDITS: 1.0 Math/.5 Elective Credit

GRADES: 9, 10

TRIMESTERS: 3

Algebra 1 is a three-term course designed to focus on helping students acquire the necessary skills in solving equations, graphing functions, operations with polynomials, and operations with powers that students will need in their high school math career.

GEOMETRY, PROBABILITY & STATISTICS A & B	(Mathematics)
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PREREQUISITES: Algebra 1

CREDITS: 1.0

GRADES: 9, 10, 11

TRIMESTERS: 2

This course is designed for students with a firm grasp of basic algebra concepts. It is a requirement for graduation. This course addresses topics of measurement to solve applied problems, right triangle trigonometry, transformations, modeling, as well as theoretical and experimental probability, data analysis and statistical inference.

PROBABILITY & STATISTICS 2 A & B	(Mathematics)
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PREREQUISITES: Geometry, Probability & Statistics**CREDITS: 1.0****GRADES: 11, 12****TRIMESTERS: 2**

Introduce the study of likely events and the analysis, interpretation and presentation of quantitative data. Course topics include basic probability and statistics: discrete probability theory, odds and probability, probability trees, populations and samples, frequency tables, measures of central tendency, presentation of data, normal distribution and measures of variability.

TECHNICAL MATH A & B**(Mathematics)****PREREQUISITES: Geometry, Probability & Statistics****CREDITS: 1.0****GRADES: 11, 12****TRIMESTERS: 2**

This course will cover the application of mathematics in the real world. Areas of study will include but will not be limited to the fields of construction, fabrication, engineering, biology and physics. The mathematical content will include but will not be limited to linear, quadratic and exponential functions, trigonometry and systems of linear and quadratic equations.

ALGEBRA 2 A & 2 B**(Mathematics)****PREREQUISITES: Geometry, Probability & Statistics****CREDITS: 1.0****GRADES: 10, 11, 12****TRIMESTERS: 2**

Algebra II is required for students intending to enter a university in Oregon and who have a firm grasp on the concepts covered in Algebra I and Geometry. This course addresses topics in advanced algebra including functions, logarithms, radicals, rational exponents, solving advanced algebraic equations and graphing. A graphing calculator is recommended for this course (TI-83+ or TI-84).

COLLEGE ALGEBRA A**(Mathematics)****COLLEGE ALGEBRA B****(Mathematics)****COLLEGE ALGEBRA C / TRIG****(Mathematics)****PREREQUISITES: Algebra 2 with a minimum grade of C.****CREDITS: 1.5****GRADES: 10, 11, 12****TRIMESTERS: 3**

College Algebra is a course covering functions and related inequalities using a graphing calculator. This class focuses on polynomial, rational, exponential, logarithmic and related piecewise defined functions and includes a study of probability and statistics, the complex number system, the algebra of functions, and the applications of functions in sequences and series. High order linear systems will be solved using a calculator. (Students will be strongly encouraged to purchase their own TI-83 or TI-84 graphing calculator.)

Trigonometry is a course studying special relations. Students will use both analytic methods and real-life problem solving to gain a thorough knowledge of trigonometric relationships. This course also includes conic sections, vectors, parametric equations and polar coordinates with an emphasis on applications and the use of a graphing calculator.

This course offers the opportunity to earn 5 college credits from Chemeketa Community College awarded in March for MTH 111 and 5 credits awarded in June for MTH 112. Students will be assessed a \$30 fee for the year if they desire college credit.

CALCULUS A (DIFFERENTIAL CALCULUS)	(Mathematics)
CALCULUS B (INTEGRAL CALCULUS)	(Mathematics)
CALCULUS C	(Mathematics)

PREREQUISITES: College Algebra (MTH 111) and Trigonometry (MTH 112) with a minimum grade of C

CREDITS: 1.5

GRADES: 12

TRIMESTERS: 3

These courses are college-level classes. Students should anticipate the course work to be more rigorous than previous math classes. Differential Calculus prepares students for further study in mathematics, sciences, engineering and other technical fields. The course covers rates of change and derivatives, with applications to optimization and accelerated motion problems. A variety of differentiation techniques will be studied using analytical, numerical and graphical methods.

Integral Calculus builds on the study of differential calculus with an introduction to anti-derivatives and the Fundamental Theorem of Calculus. This course covers applications of definite integrals, constructing functions from their rates of change, techniques of integration, and an introduction to differential equations. A graphing calculator is required: TI-83 or TI-84 graphing calculator is recommended.

This course offers the opportunity to earn 5 college credits from Chemeketa Community College awarded in March for MTH 251 and 5 credits awarded in June for MTH 252. Students will be assessed a \$30 fee for the year if they desire college credit.

MUSIC

Music is included in the curriculum to meet students' need to create. As they develop performance skills they also enrich their lives through communication of feelings and emotions that words cannot always convey. As the noted choir director Robert Shaw has stated, "In a world of political, economic, and personal disintegration, music is not a luxury but a necessity -- not simply because it is therapeutic or because it is the universal language -- but because it is the persistent focus of man's intelligence, aspiration, and goodwill." Music has been proven to help students excel in all subjects.

CONCERT CHOIR A, B & C	(Fine Arts)
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PREREQUISITES: None

CREDITS: 1.5 (May be repeated)

GRADES: 9, 10, 11, 12

TRIMESTERS: 3

Concert Choir is a beginning and entry level singing ensemble that introduces students to various styles of Choral literature in SAB and SATB voicings. This includes songs from as early as the classical period, leading up to today's most popular vocal hits. Students will gain vocal experience through repertoire study, group performances, vocal exercises, warm ups, and peer demonstrations.

CHAMBER CHOIR A, B & C	(Fine Arts)
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PREREQUISITES: Audition Only

CREDITS: 1.5 (May be repeated)

GRADES: 9, 10, 11, 12

TRIMESTERS: 3

Chamber Choir is a performance ensemble intended for students with at least one year of Choir or music ensemble experience. This singing ensemble will provide students with the opportunity to learn a variety of more advanced choral literature including a cappella music and songs with extended five to eight part harmonies. Students will also participate and compete as a Choir in league and possibly state competitions. Instructor approval is required before enrolling.

CONCERT BAND A, B & C	(Fine Arts)
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PREREQUISITES: Plays an Instrument

CREDITS: 1.5 (May be repeated)

GRADES: 9, 10, 11, 12

TRIMESTERS: 3

Through the course of the year students will learn music ranging large ensemble pieces, chamber ensemble pieces, and athletic band pieces. We will incorporate music history and theory into the course throughout lessons. This is a performance group that has required performances at concerts each trimester, festivals and competitions, home football and basketball games, as well as recruiting opportunities at the younger North Marion schools.

JAZZ BAND A, B & C	(Fine Arts)
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PREREQUISITES: Audition only

CREDITS: 1.5

GRADES: 9, 10, 11, 12

TRIMESTERS: 3

Jazz band is a zero period class that meets from 7:00-7:50 in order to allow students freedom to take other courses during the school day. Students in jazz band also need to enroll in concert band. Students must provide their own transportation to school in the mornings. Through the course of the term students will perform a wide range of literature including swing, latin jazz, funk, ballads, and more. Jazz theory and history will be covered and used daily. Students will also learn the foundations of improvisation, a key element of jazz. This is a performance group that has required performances at concerts each trimester as well as festivals and competitions throughout the year.

MUSIC HISTORY	(Fine Arts)
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PREREQUISITES: None

CREDITS: 0.5

GRADES: 9, 10, 11, 12

TRIMESTERS: 1

Music History is a non-performance class that explores music of various genres and styles through listening experiences and analysis. Mostly all musical styles are examined in this class (classical, theater, jazz, blues, rock, rap, electronic, pop, etc.) Activities include listening, discussions, projects, and presentations.

BEGINNING GUITAR	(Fine Arts)
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PREREQUISITES: None

CREDITS: 0.5

GRADES: 9, 10, 11, 12

TRIMESTERS: 1

Beginning Guitar covers the basics of the instrument and an application of essential music fundamentals. Students will learn the basics of playing guitar at a beginning level through studying musical notation, repertoire, chord symbols, and peer modeling. A brief history of the guitar along with a study of its respective musical styles will also be covered in this course.

SCIENCE

Science involves not only knowledge but also a way of seeking knowledge. The science courses at North Marion High School are designed to teach the student this method of seeking knowledge and problem solving. Through laboratory work students will learn some of the knowledge science has accumulated; but just as important they will learn to apply scientific methods to problems faced in daily life. In a society that is becoming increasingly technological, students should try to prepare themselves for the future by acquiring a thorough foundation in the Sciences. Students may take science every year if they choose.

PHYSICAL SCIENCE A & B

(Required)

PREREQUISITE: None

CREDIT: 1.0

GRADES: 9

TRIMESTERS: 2

Physical Science is divided into two areas of investigation.

- A. Introduction to Chemistry: A study of the structure of atoms, the periodic table, chemical reactions and thermodynamics.
- B. Introduction to Physics and Environmental Science: Study of the laws of motion, field forces, climate and sustainability.

BIOLOGY A & B

(Required)

PREREQUISITE: None

CREDIT: 1.0

GRADES: 10

TRIMESTERS: 2

Biology is the study of life. This course is designed to take an in-depth look at the relationships among living things and their environment. This is a two-trimester course. The first course (Biology A) will consist mainly of the scientific process, ecology, the cell and genetics. The second course (Biology B) will concentrate on the diversity of life and the different characteristics of organisms.

CHEMISTRY A & B

(Science)

PREREQUISITE: None

CREDIT: 1.0

GRADES: 10, 11, 12

TRIMESTERS: 2

Recommended for all college bound students. This course meets the laboratory science requirement of most colleges and universities. Chemistry is the study of the scientific explanation for the structure of matter. Atomic theory, chemical laws, properties of common compounds and elements, chemical equations, chemical bonding, and chemical reactions are the main topics of study. The student will be expected to solve chemical problems and develop basic laboratory skills. Approximately half of class time is devoted to laboratory work.

PHYSICS A & B**(Science)****PREREQUISITE: None****CREDIT: 1.0****GRADES: 11, 12****TRIMESTERS: 2**

Recommended for all college bound students. Physics meets the requirements of colleges and universities that require laboratory science courses in high school. Physics is the study of energy and matter and their inter-relationships.

The course includes emphasis on these topics:

- | | |
|---|------------------------------|
| 1. Forces: static and dynamic systems, gravitation | 4. Electricity and magnetism |
| 2. Motion and Energy: momentum, Kinetic and potential energy work | 5. Thermodynamics |
| 3. Wave motion | 6. Atomic structure |
| a. Longitudinal waves: sound | 7. Nuclear physics |
| b. Transverse waves: light | 8. Modern physics |

The experimental work involves measurement and some application of mathematics. Approximately half the class time is devoted to laboratory/experimental work. This is a College Preparatory class, especially recommended for students who expect to continue their education and plan on entering the fields of engineering, science, mathematics, medicine, law, and communications technology.

ZOOLOGY**(Science)****PREREQUISITE: Biology A & B****CREDIT: 0.5****GRADES: 11, 12****TRIMESTERS: 1**

Zoology is the study of animals. This class will focus on organisms found in the animal kingdom. Students will learn about anatomy and physiology in animals as well as taxonomic relationships. Be prepared for dissections and other "hands-on" activities in this laboratory class.

HUMAN ANATOMY & PHYSIOLOGY**(Science)****PREREQUISITES: Biology A & B****CREDIT: 0.5****GRADES: 11, 12****TRIMESTERS: 1**

Human Anatomy and Physiology will study the systems of the human body and how they interact with one another. Content includes: basic anatomy, structure and function of body systems. This course provides a basic understanding of the interactions among the human body systems. A student who is interested in health related fields will be provided a strong foundation to build upon for their post high school education. This course will provide students with an appreciation of the design and the complexity of the human body.

ASTRONOMY**(Science)**

PREREQUISITES: None
CREDIT: 0.5

GRADES: 9, 10, 11, 12

TRIMESTERS: 1

Astronomy and Earth Science is the study of celestial objects from stars to planets and extra-terrestrial life to space travel. With visual aids and unique labs you will discover how we know so much about our universe, what might be out there and what might happen in the future. An added emphasis of this class will be Earth specific systems and Earth's place in the universe.

SECOND LANGUAGE

A student who studies a second language not only acquires a valuable communication skill, but also broadens his/her understanding of a different culture. As the world grows smaller due to instant communication and multi-national corporations, it is an asset to display a deeper understanding of a different culture and its language.

All 4 - year schools also require students to have 2 years minimum of the same Foreign Language. Check the college you would like to attend for specific requirements.

SPANISH 1 A & B

(2nd Language)

PREREQUISITE: None
CREDIT: 1.0

GRADES: 9, 10, 11, 12

TRIMESTERS: 2

This course is an introduction to the Spanish language. The student will learn vocabulary, as well as the basic sayings, expressions and the foundations of grammar in the present tense. In addition, the student will become acquainted with the different countries of Latin America and the various aspects of pre-Columbian and Hispanic culture through movies, lectures and projects

SPANISH 2 A & B

(2nd Language)

PREREQUISITE: Spanish 1 or Instructor Approval
CREDIT: 1.0

GRADES: 9, 10, 11, 12

TRIMESTERS: 2

In Spanish 2 the students will expand their vocabulary and grammar forms to include past and future tenses. Vocabulary will reflect typical daily life conversation. Students will increase their oral and auditory skill by speaking Spanish with native Spanish speakers and by speaking Spanish during class time. Students will also increase their fluency and cultural knowledge by watching videos in Spanish and doing cultural projects.

SPANISH 3 A & B

(2nd Language)

PREREQUISITE: Spanish 2 or Instructor Approval
CREDIT: 1.0

GRADES: 10, 11, 12

TRIMESTERS: 2

In Spanish 3, students will continue to increase their Spanish comprehension and production skills. They will be expected to listen to and read intermediate or higher materials. Students will also practice their speaking skills through conversations and presentations and their writing skills. Students can earn college credit and may earn their biliteracy seal.

SPANISH 4 A & B

(2nd Language)

PREREQUISITE: Spanish 3 or Instructor Approval

CREDIT: 1.0

GRADES: 11, 12

TRIMESTERS: 2

In Spanish 4, students will build on the skills they learned in Spanish 3 by continuing to increase comprehension of Spanish materials (written and spoken). There will be a focus on preparing for the Willamette Promise test to be able to earn more college credits and the biliteracy seal.

Students who would like to consider another second language should contact their counselor. This may entail some personal expense and/or time beyond the regular school day

SOCIAL SCIENCES

Social Science is a program designed to familiarize students with the historical development of our nation and the relationships of historical events to current problems of national and international importance. Emphasis is also placed on the citizen role in our society from both a political and economic perspective. Citizenship awareness is a major focus of the entire program.

WORLD HISTORY A & B

(Required)

PREREQUISITE: None

CREDIT: 1.0

GRADES: 9 ONLY

TRIMESTERS: 2

Welcome to 9th grade World History. This is a required, two term course. We will be focusing on aspects that define the world as we know it. When looking through the thousands of years in World History, there will be emphasis on Geography, Religion, Achievements, Politics, Economics and Social Structure. This format provides North Marion 9th grade students with a foundation that is essential for future classes in the Social Sciences.

20th CENTURY US HISTORY A & B

(Required)

PREREQUISITE: World History

CREDIT: 1.0

GRADES: 10, 11, 12

TRIMESTERS: 2

***May be replaced with
College Credit Now
History Series 201, 202 & 203**

20th Century History A will explore American History from the Progressive Era to the end of the Great Depression. This class will explore the causes, characteristics, and impact of political, economic, and social developments in US History. Students will relate significant events and eras in US and World History to past, present, and future issues and developments.

20th Century History B will explore American History from the end of the Great Depression to the end of the Vietnam War. The class will explore the courses, characteristics, and impact of political, economic, and social developments in US History. Students will relate significant events and eras in US and World History to past, present, and future.

HISTORY OF WORLD GOVERNMENT**(Required)****PREREQUISITE: None****CREDIT: 0.5****GRADES: 11, 12****TRIMESTERS: 1**

This class explores the organization and function of city, county, state, regional, and national government. Also, political parties will be explored in detail. Emphasis is placed on the citizen's role in our ever-changing democratic society.

ECONOMICS**(Required)****PREREQUISITE: None****CREDIT: 0.5****GRADES: 12 ONLY****TRIMESTERS: 1**

Students will explore how economic systems are organized and function within society. Economic concepts, theories, and practices will be emphasized.

HISTORY 104 HISTORY OF WORLD CIVILIZATION

PREREQUISITE: English 11H with minimum grade of C or overall GPA of 2.5 or passing placement test score.

CREDIT: 0.5**GRADES: 11, 12****TRIMESTERS: 1**

History 104 is a College Credit Now class that is offered through Chemeketa Community College which surveys the human cultural, social, economic, and political development of the world's civilizations. Covers ancient times to 1500 C.E. To obtain college credit for this class, students are required to pay the required fee and cover the cost of the textbook. Students must receive a passing score on the COMPASS test before being placed in this course.

HISTORY 105 HISTORY OF WORLD CIVILIZATION**PREREQUISITE: Pass History 104****CREDIT: 0.5****GRADES: 11, 12****TRIMESTERS: 1**

History 105 is a College Credit Now class that is offered through Chemeketa Community College which surveys the human cultural, social, economic, and political development of the world's civilizations. Covers from 1550-1870. To obtain college credit for this class, students are required to pay the required fee and cover the cost of the textbook.

HISTORY 106 HISTORY OF WORLD CIVILIZATION**PREREQUISITE: Pass History 105****CREDIT: 0.5****GRADES: 11, 12****TRIMESTERS: 1**

History 106 is a College Credit Now class that is offered through Chemeketa Community College which surveys the human cultural, social, economic, and political development of the world's civilizations. Covers from 1870 to the present. To obtain college credit for this class, students are required to pay the required fee and cover the cost of the textbook.

HISTORY 201 HISTORY OF THE UNITED STATES

PREREQUISITE: English 11H with minimum grade of C or overall GPA of 2.5 or passing placement test score.

CREDIT: 0.5 (This course can satisfy 20th Century US History A, if taken with History 202 AND 203)

GRADES: 11, 12

TRIMESTERS: 1

History 201 is a College Credit Now class that is offered through Chemeketa Community College, which surveys the cultural, economic, social, and political developments of the United States from 1492 to 1840. To obtain college credit for this class, students are required to pay the required fee and cover the cost of the textbook.

HISTORY 202 HISTORY OF THE UNITED STATES

PREREQUISITE: Pass History 201 (see 201 Prerequisite)

CREDIT: 0.5 (This course can satisfy 20th Century US History B, if taken with History 201 AND 203)

GRADES: 11, 12

TRIMESTERS: 1

History 202 is a College Credit Now class that is offered through Chemeketa Community College which surveys the cultural, economic, social, and political developments of the United States from 1840 to 1900. To obtain college credit for this class, students are required to pay the required fee and cover the cost of the textbook.

HISTORY 203 HISTORY OF THE UNITED STATES

PREREQUISITE: Pass History 202 (see 201 Prerequisite)

CREDIT: 0.5 (This course can satisfy 20th Century US History B, if taken with History 201 AND 202)

GRADES: 11, 12

TRIMESTERS: 1

History 203 is a College Credit Now class that is offered through Chemeketa Community College which surveys the cultural, economic, social, and political developments of the United States from 1900 to the present. To obtain college credit for this class, students are required to pay the required fee and cover the cost of the textbook.