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Omak School District
Washington Virtual Academies
High School

COURSE CATALOG
2022-2023 School Year

Updated 09.02.22

Welcome to the WAVA High School 2022-2023 Course Catalog

WAVA High School offers students a well-balanced educational experience. Our school is proud of its reputation as a comprehensive high school, with extensive academic, fine arts, and career & technical course offerings.

In addition, WAVA High School offers a variety of options for students who wish to earn credits at both the high school and college level: Advanced Placement, Career & Technical Education, and Running Start.

This guide has been prepared as a resource for you. If you have any questions along the way, please seek advice from your WAVA School Counselor.

WAVA High School Contacts

WAVA High School Administration 2022-23

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Assistant Principal: Tom Yahraes

Assistant Principal: Lia Carlile

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Table of Contents

Course Selection Overview 4
State of Washington Graduation Requirements 4
Four-Year College Admission Requirements 5
Running Start 5
Graduation Pathways at WAVA High School 6
Course Selection Tools 8
Planning Worksheet 8
Default Courses by Grade Level 9
Default Courses by Subject 10
WAVA High School Course Offerings 2022-23 11
WAVA High School Course Descriptions 14
ARTS 14
CAREER & TECHNICAL EDUCATION 15
ENGLISH 21
FITNESS/PE 23
GENERAL ELECTIVES 24
GLOBAL WORLD LANGUAGES 24
HEALTH 26
HISTORY/SOCIAL STUDIES 26
MATH 28
SCIENCE 30

Course Selection Overview

Full-time WAVA High School students are required to enroll in six classes each semester through junior year. Senior year class enrollment may vary depending upon credit needs, graduation requirements and plans after high school.

State of Washington Graduation Requirements

The State of Washington has a robust set of requirements for high school graduation. Students must:

1) earn 24 credits in required subject areas and courses,
2) meet a Graduation Pathway, and
3) complete all portions of the state's High School & Beyond Plan.

There is flexibility within the 24-credit requirements to best prepare students for their post-high school plans (for example: entering the workforce, career training, apprenticeships, 2-year or 4-year college, military enlistment). WAVA's School Counselors are available to assist you with understanding, navigating and meeting these requirements.

The State of Washington requires that students earn 24 credits to graduate:

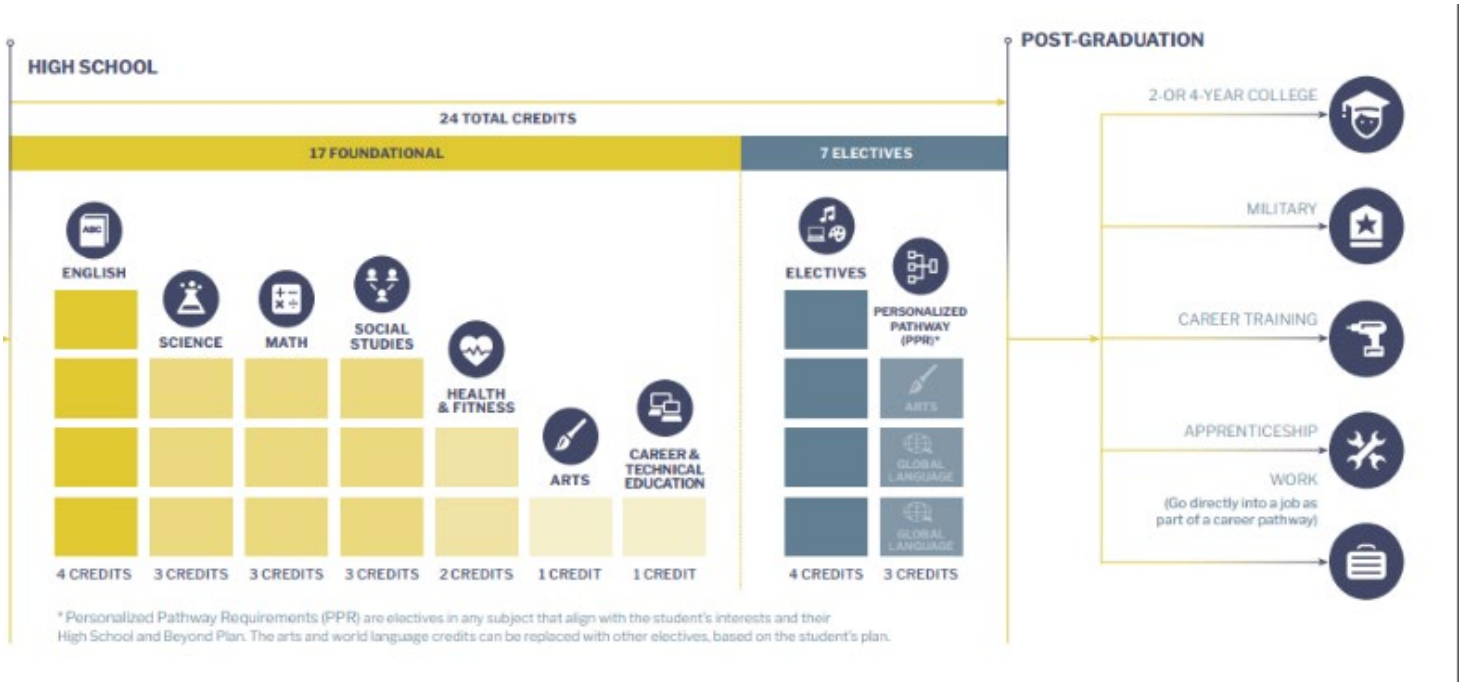
- 17 in foundational courses, and
- 7 in elective courses.

The state requires the following specific courses for graduation:

- Washington State History (0.5 credit)
- US History (1.0 credit)
- Civics (0.5 credit)
- Algebra 1/Integrated Math 1 (1.0 credit), and
- Geometry/Integrated Math 2 (1.0 credit).

In addition, the state requires that 2.0 of the science credits must be from lab science courses.

Elective courses may come from any subject area, and will vary depending upon a student's interests and selected graduation pathway (see page 6). Three of the seven elective credits are designated as Personalized Pathway requirements (PPR) so that students can select courses relevant to their plans after high school. For example, a PPR course could be specific to a career goal (example: Veterinary Science), or a generalized course to help transition to being an adult (example: Personal Finance).



Four-Year College Admission Requirements

If you are interested in applying for 4-year college admission, it is important to note that the minimum state requirements differ from what is required for admission to 4-year colleges, as summarized in the next chart.

In addition to earning 4 credits in each of the foundational subject areas, students planning to attend 4-year colleges need to take 2 credits of a single global language to be considered for admission.

Subject	Minimum Credit Requirements for WAVA Diploma	Minimum Credit Requirements for Admission to Public 4-Year Colleges	Recommended Credits for Admission to Competitive 4-Year Colleges
English	4	4	4
Math	3	3-4	4
Science	3	3-4	4
History/Social Studies	3	3-4	4
Career and Technical Education	1	1	1
Health	0.5	0.5	0.5
Physical Education	1.5	1.5	1.5
Arts &/or PPR	2 fine art or 1 fine art + 1 PPR	2 fine art or 1 fine art + 1 PPR	2 fine art or 1 fine art + 1 PPR
Global World Language &/or PPR	2 language or 2 PPR or 1 language + 1 PPR	2 (same language)	2 (same language)
Electives	4	2-4 CTE Dual Credit	4
Total Credits	**24**	**24**	**24**

Running Start

In addition to the courses listed in this guide, Running Start is available to WAVA's 11th and 12th grade students. Running Start is a Washington State-funded program that offers tuition-free college courses at Washington's community and technical colleges, some public universities, and Northwest Indian College. For more information, visit OSPI's FAQ Document.

Important: Students will need to work closely with their WAVA High School Counselor when selecting Running Start courses to make sure graduation requirements are met.

Benefits of participating in Running Start include: the chance to experience post-secondary education while in high school, which can help with transition to full-time college after high school; up to two years of tuition-free college credit, saving on the overall cost of college education; potential to earn an associate degree along with their high school diploma with careful academic planning, flexible class schedules (day, afternoon, evening, hybrid or online options); and the opportunity to take courses that may not be offered by high schools.

Before signing up for Running Start, students and families should consider that the pacing of college courses is MUCH faster than high school level courses; there are fees associated with Running start (fee waivers are available for students who qualify); college calendars usually do not match the high school calendar for holidays and finals; students must have their own transportation; college is an adult learning environment and courses may cover controversial issues; students are treated as college students and are responsible for interacting with professors; communication directly with parents may be limited.

If interested in Running Start, students should contact the Running Start office at their local college of interest for information about their application process. Each college may have a slightly different process, so plan on attending the college's Running Start information sessions typically held in late winter/early spring prior to the fall term. Each Running Start college has individual registration deadlines, but typically students first apply in spring of their 10th or 11th grade year to begin classes the following fall. Students may begin Running Start during any term of 11th grade or wait until 12th grade.

To select their Running Start courses, students work with their WAVA High School Counselor to complete the required Running Start Enrollment Verification Form (RSEVF). This form is how the college and high school communicate about students and courses, including payment of tuition.

Graduation Pathways at WAVA High School

In addition to earning 24 credits in the required subject areas and courses, the state requires students to meet one graduation pathway that is aligned with their plans for after high school (as identified in their High School and Beyond Plan). For more information regarding Washington's graduation pathways, please visit: https://www.k12.wa.us/student-success/graduation/graduation-requirements/graduation-pathways.

WAVA will offer 6 graduation pathways in 2022-23:

Pathway #1: State Smarter Balanced Assessment (SBA) Exams

Pass the state assessments in ELA/Math meeting the score standard as set by State Board of Education
Note: All students will be scheduled to take state testing in 10th grade, regardless of selected pathway

Pathway #2: Advanced Placement (AP) Exams

Score 3 or higher on AP exams for state-approved ELA/Math AP courses

Pathway #3: College Entrance Exams

Meet the minimum SAT/ACT scores as set by the State Board of Education

Pathway #4: Dual Credit Courses

Pass dual credit ELA/Math courses (Career & Technical Education, Advanced Placement, Running Start)

Note on Pathways #1-4: Students may use one pathway for ELA and another pathway for Math. Example: Pathway #1 (passing the ELA SBA) and Pathway #4 (passing a dual credit CTE Math course).

Pathway #5: Armed Services Vocational Aptitude Battery (ASVAB) Exam

Meet the minimum score set by the State Board of Education on the military enlistment exam

Pathway #6: Career & Technical Education (CTE) Course Sequence

Earn 2.0 credits in a single focus area that leads to dual credit or an industry-recognized certificate.

CTE FOCUS AREA: INFORMATION TECHNOLOGY SEQUENCE: PROGRAMMING

(FUTURE PATHWAY: PENDING APPROVAL)

- ❑ TCH105 Computer Literacy CTE Dual Credit **Pending approval*
- ❑ OTH050 Achieving Your Career and College Goals CTE Dual Credit **Pending approval*
- ❑ TCH114/115 MS Office 1 and 2
- ❑ TCH342A/B Introduction to Python Programming
- ❑ TCH323/324 Intro to Java Programming *(not offered 2022-23)*
- ❑ TCH047A/B Web Design
- ❑ TCH073A/B Video Game Design (Intro to Java Script) *(not offered 2022-23)*

CTE FOCUS AREA: INFORMATION TECHNOLOGY SEQUENCE: CYBERSECURITY

(FUTURE PATHWAY: PENDING APPROVAL)

- ❑ TCH105 Computer Literacy CTE Dual Credit *Pending approval
- ❑ OTH050 Achieving Your Career and College Goals CTE Dual Credit *Pending approval
- ❑ TCH114/115 MS Office 1 and 2
- ❑ TCH551/552 Cengage Security
- ❑ TCH342A/B Introduction to Python Programming
- ❑ TCH047A/B Web Design
- ❑ TCH073A/B Video Game Design (Intro to Java Script) *(not offered 2022-23)*

Graduation Pathways at WAVA High School, continued

CTE FOCUS AREA: BUSINESS SEQUENCE: MARKETING

(FUTURE PATHWAY: PENDING APPROVAL)

- ❑ TCH105 Computer Literacy CTE Dual Credit *Pending approval
- ❑ OTH050 Achieving Your Career and College Goals CTE Dual Credit *Pending approval
- ❑ TCH114/115 MS Office 1 and 2
- ❑ BUS130 Intro to Business Information Management *(not offered 2022-23)*
- ❑ BUS140 Business Information Management: Data Essentials *(not offered 2022-23)*
- ❑ BUS065/075 Business Marketing 1 and 2
- ❑ TCH047A/B Web Design

CTE FOCUS AREA: BUSINESS SEQUENCE: ENTREPRENEURSHIP

(FUTURE PATHWAY: PENDING APPROVAL)

- ❑ TCH105 Computer Literacy CTE Dual Credit *Pending approval
- ❑ OTH050 Achieving Your Career and College Goals CTE Dual Credit *Pending approval
- ❑ TCH114/115 MS Office 1 and 2
- ❑ BUS310 Intro to Management
- ❑ BUS045/055 Entrepreneurship 1 and 2
- ❑ TCH047A/B Web Design

CTE FOCUS AREA: HEALTH SCIENCES SEQUENCE: SYSTEMS MEDICINE/BIOMEDICAL BODY SYSTEMS

(FUTURE PATHWAY: PENDING APPROVAL)

- ❑ TCH105 Computer Literacy CTE Dual Credit *Pending approval
- ❑ OTH050 Achieving Your Career and College Goals CTE Dual Credit *Pending approval
- ❑ TCH114/115 MS Office 1 and 2
- ❑ OTH092/094 Health Sciences 1 and 2
- ❑ SCI330 Anatomy and Physiology
- ❑ HLT213/214 Medical Terminology 1 and 2
- ❑ HLT041/042 Intro to Biotechnology 1 and 2

CTE FOCUS AREA: MANUFACTURING SEQUENCE: MANUFACTURING AND ENGINEERING

(FUTURE PATHWAY: PENDING APPROVAL)

- ❑ TCH105 Computer Literacy CTE Dual Credit *Pending approval
- ❑ OTH050 Achieving Your Career and College Goals CTE Dual Credit *Pending approval
- ❑ TCH114/115 MS Office 1 and 2
- ❑ OTH221/222 Cengage Engineering Fundamentals 1 and 2 *(not offered 2022-23)*
- ❑ MFG230 Intro to Advanced Manufacturing
- ❑ MFG240 Applied Engineering 1: Introduction/MFG250 Applied Engineering 2: Solving Problems
- ❑ MFG340 Manufacturing Tools and Processes

CTE FOCUS AREA: MANUFACTURING SEQUENCE: HEAVY MACHINE OPERATOR

(FUTURE PATHWAY: PENDING APPROVAL)

- ❑ TCH105 Computer Literacy CTE Dual Credit *Pending approval
- ❑ OTH050 Achieving Your Career and College Goals CTE Dual Credit *Pending approval
- ❑ TCH114/115 MS Office 1 and 2
- ❑ MFG010 Basic Grade and Construction Math (not offered 2022-23)
- ❑ OTH221/222 Cengage Engineering Fundamentals 1 and 2 (*not offered 2022-23)*
- ❑ MFG201 Basic Construction Equipment Fundamentals *(not offered 2022-23)*
- ❑ MFG202 Basic Maintenance of Mobile Equipment *(not offered 2022-23)*
- ❑ MFG340 Manufacturing Tools and Processes

CTE Dual Credit *Pending Approval - Dual credit available for this course.

Course Selection Tools

Planning Worksheet

This worksheet can be used with this course catalog and your Grad Plan to map out a course plan for grades 9-12. To meet graduation requirements, ensure that your four-year plan includes the following elective/Personal Pathway courses:

- ❑ 1.0 credit (2 semesters) of Career & Technical Education
- ❑ 1.0 credit (2 semesters) Fine Art + 1.0 credit (2 semesters) of Personal Pathway requirement courses OR 2.0 credits (4 semesters) of Fine Arts

AND

- ❑ 2.0 credits of Personal Pathway requirement courses OR 2.0 credits (4 semesters) of Global Language (if planning to attend a 4-year college)

If the minimum required credits for graduation are met, you may take additional courses in any department. These "extra" courses could count as electives/Personal Pathway requirements. If planning to complete one of the CTE course sequences (Graduation Pathway #6), fill in the required CTE courses in the elective spaces. (See pages 6-7 for information about Graduation Pathway #6 and page 15 for CTE course descriptions).

9th Grade	10th Grade	11th Grade	12th Grade
English (1 year) Example: *ENG108 English 9*	**English** (1 year)	**English** (1 year)	**English** (1 year)
History/SS (1 semester)	**History/SS** (1 year)	**History/SS** (1 year)	**History/SS** (1 semester)
Mathematics (1 year)	**Mathematics** (1 year)	**Mathematics** (1 year)	Elective/PPR (1 year or 2 semesters)
Lab Science (1 year)	**Lab Science** (1 year)	**Science** (1 year or 2 semesters)	Elective/PPR (1 year or 2 semesters)
PE (1 year)	**PE** (1 semester) **+** **Health** (1 semester)	Elective/PPR (1 year or 2 semesters)	Elective/PPR (1 year or 2 semesters)
Elective/PPR (1 year or 2 semesters)	Elective/PPR (1 year or 2 semesters)	Elective/PPR (1 year or 2 semesters)	Elective/PPR (1 year or 2 semesters)
Back-Up Elective/ PPR Courses	Back-Up Elective/ PPR Courses	Back-Up Elective/ PPR Courses	Back-Up Elective/ PPR Courses

Default Courses by Grade Level

The following tables show default courses for each grade level. As with the previous course tables, these do not reflect the range of all available courses. See the course list beginning on page 11 for WAVA High School courses offered in 2022-2023.

9th Grade Default Courses	
Semester One	**Semester Two**
ENG108A English 9	ENG108B English 9
MTH128A Algebra 2 [required by state]	MTH128B Algebra 1[required by state]
SCI113A Earth Science	SCI113B Earth Science
OTH021 Personal Fitness 1	OTH022 Personal Fitness 2
HST105 WA State History* or HST213 Geography	HST105 WA State History* or HST213 Geography
Elective or Personal Pathway Course	*Elective or Personal Pathway Course*
** Washington State History required by state, must be passed if not taken in middle school*	

10th Grade Default Courses	
Semester One	**Semester Two**
ENG208A English 10	ENG208B English 10
MTH208A Geometry [required by state]	MTH208B Geometry [required by state]
SCI203A Biology	SCI203B Biology
HST203A Modern World Studies	HST203B Modern World Studies
OTH020 Personal Fitness or OTH010 Skills for Health	OTH020 Personal Fitness or OTH010 Skills for Health
Elective or Personal Pathway Course	*Elective or Personal Pathway Course*

11th Grade Default Courses: STANDARD DIPLOMA	
Semester Two	**Semester Two**
ENG303A American Literature	ENG303B American Literature
MTH308A Algebra 2 or MTH322A Consumer Math	MTH308B Algebra 2 or MTH322B Consumer Math
HST303A US History [required by state]	HST303B US History [required by state]
Science Elective Course	Science Elective Course
Elective or Personal Pathway Course	*Elective or Personal Pathway Course*
Elective or Personal Pathway Course	*Elective or Personal Pathway Course*

11th Grade Default Courses: FOUR-YEAR COLLEGE ADMISSIONS	
Semester One	**Semester Two**
ENG303A American Literature	ENG303B American Literature
MTH308A Algebra 2	MTH308B Algebra 2
HST303A US History [required by state]	HST303B US History [required by state]
SCI303A Chemistry	SCI303B Chemistry
World Language Course	*World Language Course*
Elective or Personal Pathway Course	*Elective or Personal Pathway Course*

12th Grade Default Courses: STANDARD DIPLOMA	
Semester One	**Semester 2**
English Elective Course	English Elective Course
HST040 Summit Civics [required by state]	*Elective or Personal Pathway Course*
Elective or Personal Pathway Course	*Elective or Personal Pathway Course*
Elective or Personal Pathway Course	*Elective or Personal Pathway Course*
Elective or Personal Pathway Course	*Elective or Personal Pathway Course*

12th Grade Default Courses: FOUR-YEAR COLLEGE ADMISSIONS	
ENG403A British & World Literature	ENG403B British & World Literature
MTH403A Pre-Calc./Trig. or MTH500A Calculus AP	MTH403B Pre-Calc./Trig. or MTH500B Calculus AP
SCI403A Physics	SCI403B Physics
HST040 Summit Civics [required by state]	*Elective or Personal Pathway Course*
Elective or Personal Pathway Course	*Elective or Personal Pathway Course*
Elective or Personal Pathway Course	*Elective or Personal Pathway Course*

Default Courses by Subject

The following table shows default courses by subject area for 1) the standard WAVA diploma and 2) admission to 4-year colleges. Unless otherwise indicated, courses are 1.0 credit, and are listed in the default progression from 9th grade through 12th grade. This table does not reflect the range of all available courses, including honors options. See the course offerings list beginning on page 11 for courses offered at WAVA High School in 2022-2023.

Credits by Subject with Default Courses and Progressions	
Standard WAVA Diploma	**4-Year College Admissions**
English (4 credits) ❑ English 9 ❑ English 10 ❑ American Literature *And 1.0 credits of the following:* ❑ British World Literature ❑ English Elective Course	**English (4 Credits)** ❑ English 9 ❑ English 10 ❑ American Literature ❑ British World Literature
Math (3 credits) ❑ Algebra 1 ❑ Geometry *And 1.0 credits of the following:* ❑ Algebra 2 ❑ Consumer Math ❑ Math Elective Course	**Math (4 Credits)** ❑ Algebra 1 ❑ Geometry ❑ Algebra 2 ❑ Pre-Calculus
Science (3 credits, 2 that are lab science) ❑ Earth Science ❑ Biology *and 1.0 credits of the following:* ❑ Chemistry ❑ Physics ❑ Science Elective Course	**Science (4 Credits, 2 that are lab science)** ❑ Earth Science ❑ Biology ❑ Chemistry ❑ Physics
History (3 credits) ❑ Geography (0.5 credit) ❑ US History ❑ Civics (0.5 credit) *and 1.0 credits of the following:* ❑ Modern World Studies ❑ History Elective Course (0.5 credit) *if not taken in middle school:* ❑ WA State History (0.5 credit)	**History (3 Credits)** ❑ Geography (0.5 credit) ❑ Modern World Studies ❑ US History ❑ Civics (0.5 Credit) *and if not taken in middle school:* ❑ WA State History (0.5 credit)
Career and Technical Education (1 credit) ❑ CTE Course Choice 1 (0.5 credit) ❑ CTE Course Choice 2 (0.5 credit)	**Career and Technical Education (1 Credit)** ❑ CTE Course Choice 1 (0.5 Credit) ❑ CTE Course Choice 2 (0.5 Credit)
Health (0.5 credits) and PE (1.5 credits) ❑ Summit Health (0.5 credit) ❑ Summit Fitness (0.5 credit) ❑ PE Elective Course (0.5 credit) ❑ PE Elective Course (0.5 credit)	**Health (0.5 credits) and PE (1.5 credits)** ❑ Summit Health (0.5 credit) ❑ Summit Fitness (0.5 credit) ❑ PE Elective Course (0.5 credit) ❑ PE Elective Course (0.5 credit)
Arts and/or PPR (2 credits) ❑ Art or PPR Course 1 (0.5 credit) ❑ Art or PPR Course 2 (0.5 credit) ❑ Art or PPR Course 3 (0.5 credit) ❑ Art or PPR Course 4 (0.5 credit)	**Arts and/or PPR (2 Credits)** ❑ Art or PPR Course 1 (0.5 credit) ❑ Art or PPR Course 2 (0.5 credit) ❑ Art or PPR Course 3 (0.5 credit) ❑ Art or PPR Course 4 (0.5 credit)
Electives (6 credits) ❑ Elective Course 1 (0.5 credit) ❑ Elective Course 2 (0.5 credit) ❑ Elective Course 3 (0.5 credit) ❑ Elective Course 4 (0.5 credit) ❑ Elective Course 5 (0.5 credit) ❑ Elective Course 6 (0.5 credit)	**Electives (2 Credits)** ❑ Elective Course 1 (0.5 credit) ❑ Elective Course 2 (0.5 credit) ❑ Elective Course 3 (0.5 credit) ❑ Elective Course 4 (0.5 credit) **Global/World Language (2 Credits)** ❑ Spanish 1 & 2 *or* ❑ French 1 & 2

WAVA High School Course Offerings 2022-23

Course offerings are subject to change based upon student course selections and available staffing. See course descriptions on the following pages for more information about each course, including specific prerequisite courses and grade-level limitations, if any.

Once the minimum required credits for graduation are met, you may take additional courses in any department beyond the minimum required. These "extra" courses will count as electives/Personal Pathway requirements. Bracketed information indicates that the course is listed in two departments and may be counted as credit toward either, but not both.

If you have questions about your specific progress toward meeting graduation requirements, contact your WAVA High School Counselor (see page 2 for contact information).

ARTS	
Fall Semester	**Spring Semester**
*ART010A Drawing	*ART010B Painting
*ART020A Music Appreciation 1	*ART020B Music Appreciation 2
ART030 Art in World Cultures	ART030 Art in World Cultures
CS Performance Studio	CS Performance Studio

CAREER & TECHNICAL EDUCATION	
Courses marked with → are two semester offerings. Students may continue into the second semester for a yearlong course, or take only the first semester. Successful completion of fall course is prerequisite for spring continuation.	
Fall Semester	**Spring Semester**
OTH050 Achieving Your Career & College Goals	OTH050 Achieving Your Career & College Goals
OTH060 Consumer Services	OTH060 Consumer Services
TCH027 Green Design & Technology [CTE/Science[1]]	TCH027 Green Design & Technology [CTE/Science[1]]
*TCH028 Digital Arts 1 →	*TCH029 Digital Arts 2
TCH031 Digital Photography	TCH031 Digital Photography
*TCH047A Web Design →	*TCH047B Web Design
TCH105 Computer Literacy	TCH105 Computer Literacy
*TCH114 MS Office 1 →	*TCH115 MS Office 2
*TCH342A Intro to Python Programming →	*TCH342B Intro to Python Programming
BUS030 Personal Finance [CTE/Math[1]]	BUS030 Personal Finance [CTE/Math[1]]
*BUS045 Entrepreneurship 1 →	*BUS055 Entrepreneurship 2
*BUS065 Business Marketing 1 →	*BUS075 Business Marketing 2
BUS410 Intro to Business Communication	BUS410 Intro to Business Communication
*MFG230 Intro to Advanced Manufacturing[2]	*MFG340 Manufacturing Tools and Processes[2]
*MFG240 Applied Engineering 1: Introduction[2] →	*MFG250 Applied Engineering 2: Solving Problems[2]

[1] Course may be taken for credit in either category, but not both

[2] Offering dependent on student enrollment numbers

** Indicates course offered only in the semester in which it is listed*

ENGLISH	
ENG108A/B English 9 or ENG109A/B Honors English 9	
ENG208A/B English 10 or ENG209A/B Honors English 10	
ENG303A/B American Literature or ENG304A/B Honors American Literature	
ENG403A/B British & World Literature or ENG404A/B Honors British & World Literature	
Fall Semester	**Spring Semester**
*OTH036 Gothic Literature	*ENG010 Journalism
ENG020 Public Speaking	ENG020 Public Speaking
ENG030A Creative Writing[3]	ENG030B Creative Writing[3]

FITNESS/PE	
Fall Semester	**Spring Semester**
*OTH02 Personal Fitness 1	*OTH022 Personal Fitness 2
OTH020A Physical Education	OTH020B Physical Education

GENERAL ELECTIVES	
Fall Semester	**Spring Semester**
PRJ010 Service-Learning Leadership	PRJ010 Service-Learning Leadership
	*OTH161 Early Childhood Education[2]

GLOBAL WORLD LANGUAGE
WLG100A/B Spanish 1
WLG200A/B Spanish 2
WLG300A/B Spanish 3
WLG110A/B French 1
WLG210A/B French 2
WLG310A/B French 3

HEALTH	
Fall Semester	**Spring Semester**
OTH010 Skills for Health	OTH010 Skills for Health

HISTORY/SOCIAL STUDIES	
HST203A/B Modern World Studies or HST204A/B Honors Modern World Studies	
HST303A/B US History or HST304A/B Honors US History	
Fall Semester	**Spring Semester**
HST105 Washington State History	HST105 Washington State History
HST040 Civics	HST040 Civics
HST213A Geography[3]	HST213B Geography[3]
HST020 Psychology	HST020 Psychology
*HST030 Economics	*HST060 Sociology

[2] Offering dependent on student enrollment numbers

[3] Course content is different for each semester, and may be taken both fall and spring

MATH	
MTH128A/B Algebra 1 or MTH129A/B Honors Algebra 1	
MTH208A/B Geometry or MTH209A/B Honors Geometry	
MTH308A/B Algebra 2 or MTH309A/B Honors Algebra 2	
MTH322A/B Consumer Math	
MTH403A/B Pre-Calculus/Trigonometry	
MTH500A/B AP Calculus[1]	
Fall Semester	**Spring Semester**
BUS030 Personal Finance [Math/CTE[2]]	BUS030 Personal Finance [Math/CTE[2]]

SCIENCE		
SCI113A/B Earth Science + Honors Option		
SCI203A/B Biology or SCI204A/B Honors Biology		
SCI303A/B Chemistry or SCI304A/B Honors Chemistry		
SCI330A/B Anatomy and Physiology		
SCI403A/B Physics + Honors Option		
Courses marked with → are two semester offerings. Students may continue into the second semester for a yearlong course, or take only the first semester. Successful completion of fall course is prerequisite for spring continuation.		
Fall Semester		**Spring Semester**
*SCI010 Environmental Science		*SCI030 Forensic Science
TCH027 Green Design & Technology [Science/CTE[1]]		TCH027 Green Design & Technology [Science/CTE[1]]
OTH033 Veterinary Science		OTH033 Veterinary Science
HLT041 Biotechnology 1	→	HLT042 Biotechnology 2
HLT213 Medical Terminology 1	→	HLT214 Medical Terminology 2
OTH092 Health Sciences 1	→	OTH094 Health Sciences 2
*AGR020 Intro to Forestry & Natural Resources		*AGR240 Wildlife, Fisheries & Ecology Management 1

[1] Course may be taken for credit in either category, but not both
[2] Offering dependent on student enrollment numbers
[3] Course content is different for each semester, and may be taken both fall and spring

** Indicates course offered only in the semester in which it is listed*

WAVA High School Course Descriptions

Course Descriptions are arranged alphabetically by department. In addition to covering course concepts and topics, these descriptions detail required materials, prerequisite courses that must be taken prior, and courses restricted by grade level. If you have questions about the courses, contact your WAVA High School Counselor.

ARTS

2.0 Fine Art Credits Required OR 1.0 Fine Art Credit + 1.0 PPR Credit

ART010A Drawing

Course length: One Semester
Prerequisites: None

Learn how to draw with this course, using a variety of dry media such as pencils, charcoal, pastels, and more. All skill levels are welcome from beginning to advanced artists. Students will work through topics and skills tied to both observational drawing and drawing from the imagination, as well as develop familiarity with the elements of art and the principles of design.

Materials: sketchbook, drawing pencils in a range of values, colored pencils, charcoal, kneaded eraser, chalk pastels, method for photographing projects (camera or scanner)

ART010B Painting

Course length: One Semester
Prerequisites: None

Learn how to paint with this course, using watercolor and acrylic painting techniques. All skill levels are welcome from beginning to advanced artists. Students will develop basic drawing skills and learn to model with value and color. Students will also develop familiarity with the elements of art and the principles of design.

Materials Provided by WAVA: white clay, set of acrylic paint; set of round paintbrushes
Additional Required Materials: multimedia sketchbook, canvas boards, additional paintbrushes, charcoal, method for photographing projects (camera or scanner)

ART020A Music Appreciation 1

Course length: One Semester
Prerequisites: None

If you like music and you need a Fine Arts credit or electives credit, this introductory course is for you! You don't need to read music or play an instrument to take the course. The course presents modern traditions, including gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the relationship between music and social movements and reveals how the emergent global society and the prominence of the Internet are making musical forms more accessible worldwide.

ART020B Music Appreciation 2

10th, 11th & 12th Grade Only
Course length: One Semester
Prerequisite: Two years' prior music experience, or permission of teacher

This course is for students who want to look at the early history of music (before the 20th century) and explore writing music notation. If you already took ART020A and would like to go deeper into music history and music theory, this is the class for you! If you haven't yet taken ART020B, you can still take this one if it looks interesting to you. This course introduces students to the history, theory, and early genres of music. This semester covers early musical forms and classical music. We also work on beginning music theory (reading and writing music) using music writing software.

Materials: Finale Notepad music notation software (provided by WAVA)

ART030 Art in World Cultures

Course length: One Semester
Prerequisites: None

Learn about works of art and art history through hands-on activities, discussion, and research. This course helps learners to develop an overall appreciation for the art they encounter in their daily lives, in addition to understanding the impact art has had on history.

CS Performance Studio

Project Length: Varies
Prerequisites: Must have prior approval from teacher and high school administrator

If you practice performance art for more than 5 hours per week under a trained instructor, and have live performances throughout the year, you may be able to earn Fine Arts credit. You must be approved by both teacher and administrator to be admitted to the Performance Studio course.

CAREER & TECHNICAL EDUCATION

1.0 Career & Technical Education (CTE) Credits Required
Additional course credits may be applied as electives or PPRs. See page 6 for courses required for Graduation Pathway #6.

OTH050 Achieving your Career and College Goals

11th & 12th Grades
Course Length: One Semester
Prerequisites: None

Students explore their options for life after high school and implement plans to achieve their goals. They identify their aptitudes, skills, and preferences and explore a wide range of potential careers. They investigate the training and education required for the career of their choice and create a plan to be sure that their work in high school is preparing them for the next step. They also receive practical experience in essential skills such as searching and applying for college, securing financial aid, writing a resume and cover letter, and interviewing for a job.

OTH060 Family and Consumer Science

Course length: One Semester
Prerequisites: None

This course focuses on the development of skills and knowledge that will help teenagers' transition into adult roles within the family and the community. Students engage in activities to learn about managing money, entering the world of work, establishing a home and family, preparing nutritious meals, working as part of a team, and caring for the environment and their community. Students gain an appreciation for the work of the family and how they as individuals contribute to the well-being of their family and their community. The course features include games, videos, slideshow galleries and avatars.

TCH027 Green Design & Technology

May be taken for CTE or Science credit
Course length: One Semester
Prerequisites: None

This course examines the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students learn about the potential for emerging energy technologies such as water, wind, and solar power. They find out how today's businesses are adapting to the increased demand for sustainable products and services. In this course, students develop a comprehensive understanding of this fast-growing field.

TCH028 Digital Arts 1

Course Length: One Semester
Prerequisites: None

This art studio course introduces students to the elements and principles of design, art careers, and the foundational concepts of graphic design and visual communication. Students will use Inkscape, a vector program, to digitally draw and practice the skills and concepts that they learn. They will use the creative process to design, produce, revise, and present their digital artwork. No previous art knowledge is required for success in this course.
Materials: Software - Inkscape (free download provided in course).
System Requirements: Microsoft Windows XP, Windows Vista, or higher operating system; 300 MHz or faster processor; 512 MB of memory (RAM); 64MB of video RAM; OpenGL graphics card with 16 MB RAM; 3-button mouse; 1024 X 768 monitor resolution with 16-bit color; at least 2 GB of available hard drive space.

TCH029 Digital Arts 2

Course Length: One Semester
Prerequisites: TCH028 Digital Arts 1

Students build on the skills and concepts they learned in Digital Arts 1 as they develop their vocabulary of digital design elements. By the end of the course, they will have created a collection of digital art projects for their digital design portfolio.
Materials: Software - Inkscape (free download provided in course)
System Requirements: Microsoft Windows XP, Windows Vista, or higher operating system; 300 MHz or faster processor; 512 MB of memory (RAM); 64MB of video RAM; OpenGL graphics card with 16 MB RAM; 3-button mouse; 1024 X 768 monitor resolution with 16-bit color; at least 2 GB of available hard drive space.

TCH031 Digital Photography

Course Length: One Semester
Prerequisites: None

This course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students are introduced to the history of photography and basic camera functions. They use the basic techniques of composition and camera functions to

build a portfolio of images, capturing people, landscapes, close-ups, and action photographs. Course may be taken for CTE or Art credit, but not both.
Materials: Digital Camera (not provided)

TCH035 Image Design & Editing (not offered 2022-23)

Course Length: One Semester
Prerequisites: None
This course is for anyone who wants to create compelling, professional-looking graphic designs and photos. Students will learn the basics of composition, color, and layout before moving on to technical topics such as working with layers and masks, adding special effects, and effectively using typefaces to create visual impact. At the end of this course, students will have created a variety of original projects for their graphic design portfolios. Course may be taken for CTE or Art credit, but not both.
Materials: GIMP (free download).
System Requirements: Microsoft Windows XP, Windows Vista, or higher operating system; 300 MHz or faster processor; 512 MB of memory (RAM); 64MB of video RAM; OpenGL graphics card with 16 MB RAM; 3-button mouse; 1024 X 768 monitor resolution with 16-bit color; at least 2 GB of available hard drive space.

TCH047 Web Design

CTE Dual Credit

Course length: Two Semesters (student may take only first semester)
Prerequisites: Successful completion of first semester required for enrollment in second semester
Web Design is a CodeHS course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi page websites. Students will learn the foundations of user interface design, rapid prototyping, and user testing, and will work together to create professional, mobile responsive websites. Each unit of the course is broken down into lessons. Lessons consist of video tutorials, short quizzes, example web pages to explore, and web design exercises in which students develop and publish their own web sites. Each lesson includes at least one formative short multiple-choice quiz. At the end of each unit, students take a summative multiple choice unit quiz that assesses their knowledge of the concepts covered in the unit.
Materials: BlueGriffin (free download).
System Requirements: Microsoft Windows XP, Windows Vista, or higher operating system; 300 MHz or faster processor; 512 MB of memory (RAM); 64MB of video RAM; OpenGL graphics card with 16 MB RAM; 3-button mouse; 1024 X 768 monitor resolution with 16-bit color; at least 2 GB of available hard drive space. Please note that a Macintosh computer is NOT recommended for this course.

TCH073 Video Game Design 1 (not offered 2022-23)

Course Length: Two Semesters
Prerequisite: None
Video Game Design 1 is a CodeHS course that teaches the foundations of creating video games in JavaScript. The course utilizes a project-based learning approach. The content is fully web-based, with students writing and running code in the browser. Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Each unit ends with a comprehensive unit test that assesses student's mastery of the material from that unit.

TCH105 Computer Literacy

CTE Dual Credit

Course Length: One Semester
Prerequisites: None
Today's students must be able to effectively use technology to research, organize, create, and evaluate information. This course provides a foundation in the skills and concepts that define computer literacy in the twenty-first century. From the basics of keyboarding to Internet research techniques, document creation, and digital citizenship, students practice essential skills through individual and team projects.
Materials: PC; Microsoft Office Suite (Word processor, Excel spreadsheet, PowerPoint presentation software).
System Requirements: Microsoft Windows XP, Windows Vista, or higher operating system; 300 MHz or faster processor; 512 MB of memory (RAM); 64MB of video RAM; OpenGL graphics card with 16 MB RAM; 3-button mouse; 1024 X 768 monitor resolution with 16-bit color; at least 2 GB of available hard drive space.

TCH114 Microsoft Office 1

Course Length: One Semester
Prerequisites: None
This course is a Project Based Learning course (PBL). This course is for students who wish to learn core skills in Microsoft Word and PowerPoint. Students work through real-world, hands-on projects to hone skills in formatting text, page layout, images, charts, and a vast variety of commonly used word processing and presentation tools. This course prepares students for the Microsoft Word 2019 Associate and Microsoft PowerPoint 2019 Associate certifications.

TCH115 Microsoft Office 2

Course Length: One Semester
Prerequisites: TCH114 MS Office 1

This course is a Project Based Learning course (PBL). This course is for students who wish to learn core skills in Microsoft Excel and Access. Students work through hands-on projects to hone skills in data entry and management, formula creation, email management and a vast variety of commonly used email, spreadsheet, and database tools. This course prepares students for the Microsoft Excel 2019 Associate certification.

TCH323 Introduction to Java Programming (not offered 2022-23)

Course Length: Two Semesters
Prerequisites: None

TCH323 Introduction to Java is a CodeHS course that teaches students the basics of object-oriented programming with a focus on problem solving and algorithm development. Students learn basic Java, methods, data structures, classes, and object-oriented programming in this course. Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free response questions that have students consider the applications of programming and incorporate examples from their own lives.

TCH342 Introduction to Python Programming

Course Length: Two Semesters
Prerequisites: None

TCH342 Python Programming 1 is a CodeHS course that teaches the fundamentals of computer programming as well as some advanced features of the Python language. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games. It is the first course in a two course sequence and should be completed before TCH343 Introduction to Python Programming 2. Once students complete the Introduction to Python course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program in Python. Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free response questions that have students consider the applications of programming and incorporate examples from their own lives.

TCH551/TCH552 Security+ with Exam Prep 1 (not offered 2022-23)

Course Length: Two Semesters
Prerequisites: None

This is the first semester of a two-semester course. The course provides a complete, practical, up-to-date introduction to network and computer security. The course maps to the new CompTIA Security+ SY0-401 Certification Exam, providing thorough coverage of all domain objectives to help students prepare for professional certification and career success. The course covers the essentials of network security, including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography. In the second semester, the course continues to provide a complete, practical, up-to-date introduction to network and computer security. The course maps to the new CompTIA Security+ SY0-401 Certification Exam, providing thorough coverage of all domain objectives to help students prepare for professional certification and career success. The course covers the essentials of network security, including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography.

BUS030 Summit Personal Finance

CTE Dual Credit

May be taken for CTE or Math credit
Course Length: One Semester
Prerequisites: None

In this introductory finance course, students learn basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses. They gain a deeper understanding of capitalism and other systems so they can better understand their role in the economy of society. Students are inspired by experiences of finance professionals and stories of everyday people and the choices they make to manage their money.

BUS045 Entrepreneurship 1

CTE Dual Credit

11th & 12th Grade Only
Course length: One Semester
Prerequisite: None

In this introductory business course, students learn the basics of planning and launching their own successful business. Whether they want to start their own money-making business or create a non-profit to help others, this course helps students develop the core skills they need to be successful. They learn how to develop new business ideas, attract investors, market their business, and manage expenses. **Materials:** Google Docs (free web service)

BUS055 Entrepreneurship 2

CTE Dual Credit

11th & 12th Grade Only
Course length: One Semester
Prerequisite: BUS045 Entrepreneurship 1
Students build on the business concepts they learned in Entrepreneurship I. Students continue to explore the different functions of business, while refining their technology and communication skills in speaking, writing, networking, negotiating, and listening. The purpose of this course is to prepare students to launch a small business venture.

BUS065 Business Marketing 1

Course Length: One Semester
Prerequisites: None
Students find out what it takes to market a product or service in today's fast-paced business environment. They learn the fundamentals of marketing using real-world business examples. They learn about buyer behavior, marketing research principles, demand analysis, distribution, financing, pricing, and product management.

BUS075 Business Marketing 2

Course Length: One Semester
Prerequisite: BUS065 Business Marketing 1
Students build on the skills and concepts learned in Marketing 1 to develop a basic understanding of marketing principles and techniques. The course encourages students to think like entrepreneurs and begin preparing for a career in business and marketing. By the end of the course, students will understand what it takes to start a small business venture.

BUS113 Accounting 1 (not offered 2022-23)

Course Length: One Semester
Prerequisites: None
This is the first semester of a two-semester course. The course teaches accounting while placing emphasis on conceptual understanding and financial statement analysis to encourage students to apply accounting concepts to real-world situations and make informed business decisions. Topics include transactions and methods of accounting for both service and merchandising businesses. Accounting 1 prepares students for the NOCTI Accounting-Basic credential.

BUS114 Accounting 2 (not offered 2022-23)

Course Length: One Semester
Prerequisites: BUS113 Accounting 1
This is the second semester of a two-semester course. The course continues to teach accounting while placing emphasis on conceptual understanding and financial statement analysis to encourage students to apply accounting concepts to real-world situations and make informed business decisions. Topics include transactions and methods of accounting for both service and merchandising businesses. Accounting 2 prepares students for the NOCTI Accounting-Advanced credential.

BUS130 Introduction to Business Information Management (not offered 2022-23)

Course Length: One Semester
Prerequisites: None
Do you dream of owning your own business someday, or working for a company in a leadership position? Wherever your path may lead you, having the essential knowledge of business types, requirements to start a business, understanding of finances, business law, marketing, sales, customer service, and more, will ensure you are on the path to success. Let us explore your passion for business in this course!

BUS140 Business Information Management: Data Essentials (not offered 2022-23)

Course Length: One Semester
Prerequisites: BUS130 Intro to Business Management
Now that you have the basics of business down from the previous course, it is time to become better acquainted with the application of information management in business. Learn about professional conduct, teamwork, and managerial skills, while also examining careers in business technology. The basics of word processing, spreadsheets, databases, and presentation software are also explored so that you become better prepared for jobs in this field.

BUS310 Introduction to Management 1 (not offered 2022-23)

Course Length: One Semester
Prerequisites: BUS140 Business Info Mgmt.: Data Essentials
From the shift managers at small businesses to the CEOs of large companies, effective management is key to any organization's success. Explore foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and

innovation. Engage in a capstone that pulls all of the concepts you've learned together, allowing you to see how management ideas can be applied to a business case study. Get started with learning the fundamentals of successful management.

BUS311 Management: Insight & Oversight (not offered 2022-23)

Course Length: One Semester
Prerequisites: None
As a manager, you need to make decisions for a company that will maximize its return on investment. You must ensure that the operations you oversee are profitable, expenditure is reasonable, and costs remain within acceptable margins. These choices involve your ethical obligation to be a responsible steward of the company's resources. Your ethics—or your ideas about right and wrong—should guide not only your decisions about resource allocation but also about every aspect of your work. Ethical management involves making moral and responsible choices to benefit your community and organization, which can be global in scope.

BUS410 Intro to Business Communications

Course Length: One Semester
Prerequisites: None
No matter what career you're planning to pursue, excellent professional communication will be key to your success. Upgrade your abilities in speaking, listening, writing, using and reading body language, and communicating in teams and groups. Discover how to plan, create, and deliver business presentations and communicate through graphics. In no time, you'll be communicating with confidence, standing out from your peers, and impressing your employer.

HLT440 Insurance Billing and Coding Essentials (not offered 2022-23)

Course Length: One Semester
Prerequisites: None
This course covers the skill set and knowledge required to fulfill a position as an Insurance Billing Specialist. This will include an introduction to diagnosis coding (ICD-9 and ICD-10), procedure coding (CPT and HCPCS), billing and reimbursement processes and understanding insurance companies; as well as Medical Insurance Billing as a Career, HIPPA & HITECH, Health Insurance basics, Medical Record Documentation, Electronic Data Exchange, Claim Reimbursement, Fees, BCBS, Managed Care, Private Insurance, Medicare, Medicaid, Tricare, CHAMPVA, Workers Compensation, and Disability Income Insurance.

HLT441 Electronic Health Records (not offered 2022-23)

Course Length: One Semester
Prerequisites: HLT440
This course provides students with the skills and certifications for the development and maintenance of electronic health records in both facility and private practice environments. Upon completion of this course, students will be qualified to sit for the CEHRS, and will have gained the knowledge required to perform a variety of office functions necessary in the digital/electronic age. Students are introduced to and are provided training and practical application of skills in a variety of areas related to Electronic Health Records. Ethical, legal, and regulatory requirements will be covered along with training in the hands-on Electronic Health Record software. Students will also receive comprehensive training in the areas of Professional Fees, Billing, and Collecting, the Health Insurance Claim Form, Third-Party Reimbursement, Banking Services and Procedures, Health Information Management, Computers in the Medical Office, Medical Records

MFG010 Basic Grade and Construction Math (not offered 2022-23)

Course Length: One Semester
Prerequisites: None
In the construction industry, grading is the work of ensuring a level base, or a grade with a specific slope. Grade construction work is needed in almost any building project, from laying a building foundation, to landscaping, or even roadwork. In this course, you will be introduced to core equipment used in the staking process, as well as Personal Protective Equipment (PPE) used in the construction industry. Communication processes used in the construction industry for interpreting and setting grade are also an important part of this course. Finally, you will learn mathematical concepts related to the construction industry for grade staking.

MFG201 ALV Basic Construction Equipment Fundamentals (not offered 2022-23)

Course Length: One Semester
Prerequisites: None
In the construction industry, the proper use of heavy equipment is necessary to ensure quality work and a safe work environment. In addition, being able to recognize and determine the use of specific heavy equipment will create a more efficient work team. Heavy equipment is used in almost any construction project, from building a house to excavating a new road. In this course, you will be introduced to core equipment used by operating engineers, as well as their maintenance needs. Communication processes used by operating engineers, rigging and signaling practices, safety awareness and mathematic concepts related to the construction industry are also covered.

MFG201 ALV Basic Maintenance of Mobile Equipment (not offered 2022-23)

Course Length: One Semester
Prerequisites: None

This course focuses directly on maintenance of mobile equipment through a series of engaging tutorials. The major focus of the course is on maintenance and safety, including such topics as LOTO. Other topics include tools and fasteners, preventative maintenance principles, engines, intake and exhaust, fuel systems, coolant systems, filters and filtration, lubrication systems, hydraulics, electrical systems, tires, tracks and undercarriages.

MFG230 Introduction to Advanced Manufacturing

Course Length: One Semester
Prerequisites: None
In this introductory course to advanced manufacturing concepts, students will learn about manufacturing careers and prepare to apply for and succeed in their first job. This course introduces how manufacturing companies operate, including the use of computers and automation in manufacturing. Students will complete hands-on projects designed to provide insight into the world of manufacturing. Students will also explore the principles and techniques involved in lean manufacturing, such as minimizing waste and improving workflow.

MFG240 Applied Engineering 1: Introduction

Course Length: One Semester
Prerequisites: None
Safety Fundamentals is one of the most important aspects of an industrial training program. This dedicated safety module explores all aspects of manufacturing and workplace safety with the objective of educating students about safety norms, procedures, and laws. Lockout/Tagout procedures are critical in creating a safe work environment. Lockout Tagout delivers skills-based curriculum through virtual and hands-on activities. Students learn all aspects of lockout/ tagout procedures in industrial environments.
Mathematics for Technicians I is designed to equip technicians with the math skills they are likely to need daily. The curriculum conveys skills-based math through virtual activities, providing students with fundamentals they will encounter in a variety of career and industrial environments. Math for Technicians II applies advanced mathematics concepts to everyday tasks. Through interactive activities students learn about drive ratios, Ohm's Law, mechanical principles, and how these concepts apply in engineering and industrial environments. Blueprint Reading delivers skills-based curriculum through virtual activities. Students learn all aspects of reading and interpreting blueprints in engineering and industrial environments, including views, tolerances, cutting planes, thread dimensions, and welding symbols.

MFG250 Applied Engineering 2: Solving Problems

Course Length: One Semester
Prerequisites: MFG240 Applied Engineering 1: Introduction
Do you like to invite solutions to solve problems? Applied engineering has advanced areas such as energy, transportation, health and genetics, alternative energy, food packaging, etc. Explore various inventions and solutions that have solved problems across industries. Examine how artificial intelligence and technology are making an impact on breakthroughs. Evaluate the range of robotic and STEM-related career options available for you to make a difference in lives with your contributions and innovations.

MFG330 INT Technician Safety and Fundamentals (not offered 2022-23)

Course Length: One Semester
Prerequisites: None
Discover how technology has changed the world around us by pursuing technological solutions to everyday problems. While using scientific and engineering methods, learn how electricity, electronic systems, magnets, and circuits work. Understand the design process and bring your ideas to life. Explore how engineering advances your ideas and the world!

MFG340 INT Manufacturing Tools and Processes

Course Length: One Semester
Prerequisites: None
Hand Tools play a key role in the everyday tasks of technicians. Hand Tools features skills-based curriculum delivered through activities in which students learn all aspects of using hand tools. Power Tools also play a key role in the everyday tasks of technicians. Power Tools delivers skills-based activities, in which students learn all aspects of using power tools. Lubrication for Technicians conveys skills-based curriculum through virtual and hands-on activities. Mechanical Fasteners may be taught as a virtual module, delivered entirely online with interactive activities, or as a blended module with both virtual and hardware-based activities. Students identify and work with the many types of fasteners used in engineering and industrial environments. Mechanical Measurement and Quality Control enables students to gain a solid foundation of knowledge and skill in performing measurements and calculations. Students gain proficiency in reading mechanical drawings, in selecting the proper tools for inspecting parts and in preparing quality control/ inspection reports.

ENGLISH

4.0 English Credits Required

Default Course Progression: English 9 → English 10 → American Literature → British & World Literature

Two semesters or one year of English elective courses may complete the final 1.0 credit requirement.
A full year of British & World Literature is recommended for students applying to 4-year college admission.

ENG108 English 9

Course length: Two Semesters
Prerequisites: ENG08 Grade 8 Language Arts or equivalent

The Summit English 9 course is an integrated course designed to align to state standards while engaging and motivating students. The course includes instruction about reading, writing, speaking, and listening, and language with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to Grade 9. Throughout the course, students practice narrative, informative, and argument writing. Students also will develop and deliver presentations and participate in discussions with their peers. The English 9 course includes an online, searchable database of skills-based content that can be used for reference or to review of all the concepts taught in the course.

Materials: Summit Curriculum English 9–10: *Explorations in Literature, The Way to Rainy Mountain, The Alchemist, A Midsummer Night's Dream*

ENG109 Honors English 9

Course length: Two Semesters
Prerequisites: Success in ENG08 Grade 8 Language Arts or equivalent

This course challenges students to improve their written and oral communication skills, while strengthening their ability to understand and analyze literature in a variety of genres. Students enrolled in this course work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have learned. Literature: Students read a broad array of short stories, poetry, drama, novels, autobiographies, essays, and famous speeches. The course guides students in the close reading and critical analysis of classic works of literature and helps them appreciate the texts and the contexts in which the works were written. Literary selections range from the Greek tragedy Antigone to Shakespeare's Romeo and Juliet to contemporary pieces by authors such as Annie Dillard and Maya Angelou. Language Skills: Students broaden their composition skills by examining model essays in various genres by student and published writers. Through in-depth planning, organizing, drafting, revising, proofreading, and feedback, they hone their writing skills. Students build on their grammar, usage, and mechanics skills with in-depth study of sentence analysis and structure, agreement, and punctuation, reinforced by online activities. Student vocabularies are enhanced through the study of Greek and Latin root words, improving students' ability to decipher the meanings of unfamiliar words.

Materials: *Classics for Young Readers, Volume 8; Classics for Young Readers, Volume 8: An Audio Companion; BK English Language Handbook, Level 1; Vocabulary from Classical Roots, Book C; The Narrative of the Life of Frederick Douglass, An American Slave* by Frederick Douglass*; Anne Frank: Diary of a Young Girl* by Anne Frank*; Romeo and Juliet* by William Shakespeare

ENG208 English 10

Course length: Two Semesters
Prerequisites: ENG109 English 9 or equivalent

The English 10 course is an integrated course designed to align to state standards while engaging and motivating students. English 10 continues the study of reading, writing, speaking, and listening, and language begun in English 9. Students continue to interpret and analyze increasingly complex works of literature and nonfiction appropriate for Grade 10. Throughout the course, students build upon and use writing skills to develop increasingly sophisticated narrative, informative, and argument writing. Students also will develop and deliver presentations and participate in discussions with their peers. The English 10 course includes an online, searchable database of skills-based content that can be used for reference or to review of all the concepts taught in the course.

Materials: *Anthology; Cry, the Beloved Country; Night; Macbeth*

ENG209 Honors English 10

Course length: Two Semesters
Prerequisites: Success in ENG109 English 9 or equivalent

In this course, students build on existing literature and composition skills and move on to higher levels of sophistication. Students work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have learned. Literature: Students hone their skills of literary analysis by reading short stories, poetry, drama, novels, and works of nonfiction, both classic and modern. Authors include W. B. Yeats, Sara Teasdale, Langston Hughes, Robert Frost, Edgar Allan Poe, Nathaniel Hawthorne, Kate Chopin, Amy Tan, Richard Rodriguez, and William Shakespeare. Students have a choice of novels and longer works to study, including works by Jane Austen, Charles Dickens, and Elie Wiesel. Language Skills: In this course, students become more proficient writers and readers. In composition lessons, students analyze model essays from readers' and writers' perspectives, focusing on ideas and content, structure and organization, style, word choice, and tone.

Materials: *Explorations in Literature* 9-10; *Frankenstein; Night; Macbeth; Cry, the Beloved Country.* Students have opportunities to choose literature. Access to a library or an online resource is occasionally required.

ENG303 American Literature

Course length: Two Semesters

Prerequisites: ENG208 English 10 or equivalent

In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests.

Materials: *Journeys in Literature: American Traditions, Volume C; The Great Gatsby* by F. Scott Fitzgerald*; The Glass Menagerie* by Tennessee Williams

ENG304 Honors American Literature

Course length: Two Semesters

Prerequisites: Success in ENG208 English 10 or equivalent

In this course, students read and analyze works of American literature from Colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Students enrolled in this challenging course will also complete independent projects that deepen their understanding of the themes and ideas presented in the curriculum.

Materials: *Journeys in Literature: American Traditions, Volume C; The Great Gatsby* by F. Scott Fitzgerald*; The Glass Menagerie* by Tennessee Williams*.* Students will also read one selection of their choice from the following: *The Old Man and the Sea* by Ernest Hemingway*; The House on Mango Street* by Sandra Cisneros*; A Lesson Before Dying* by Ernest Gaines*; The Red Badge of Courage* by Stephen Crane*;* and two selections of their choice from the following: *Billy Budd* by Herman Melville*, A Connecticut Yankee in King Arthur's Court* by Mark Twain*; Catcher in the Rye* by J.D. Salinger*; Song of Solomon* by Toni Morrison

ENG403 British and World Literature

Course length: Two Semesters

Prerequisites: ENG303: American Literature or equivalent

Students read selections from British and World literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and make thematic connections among diverse authors, periods, and settings. Students complete guided and independent writing assignments that refine their analytical skills. They have opportunities for creative expression in projects of their choosing. Students also practice test-taking skills for standardized assessments in critical reading and writing.

Materials: *Explorations: An Anthology of British and World Literature; Hamlet*

ENG404 Honors British and World Literature

Course length: Two Semesters

Prerequisites: Success in ENG303: American Literature or equivalent

Students read selections from British and World literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and make thematic connections among diverse authors, periods, and settings. Students work independently on many of their analyses and engage in creative collaboration with their peers. Students also practice test-taking skills for standardized assessments in critical reading and writing.

Materials: *Explorations: An Anthology of British and World Literature; Hamlet*

ENG010 Journalism

Course length: One Semester

Prerequisite: Success in ENG208/9: English 10/Honors English 10, OR concurrent enrollment in ENG209: Honors English 10

Students are introduced to the historical importance of journalism in America. They study the basic principles of print and online journalism as they examine the role of printed news media in our society. They learn investigative skills, responsible reporting, and journalistic writing techniques as they read, respond to, and write their own news and feature articles. Students conduct interviews, research, write, and design their own publications.

ENG020 Public Speaking

Course Length: One Semester

Prerequisites: ENG303/4: American Literature or Honors American Literature (may be taken concurrently)

Public speaking is a high school course that focuses on effective public speaking techniques, including verbal and nonverbal communication skills. The course will teach students: How to organize and present information in oral speeches and presentations. How to deliver their ideas in a clear, concise, audience-appropriate manner. How to incorporate appropriate visuals and other media into their oral presentations. The essential skill of listening to a speech critically and fairly, preparing them to become consumers of information and argument. Students will be required to: View and listen to speeches and deliver speeches.

Materials: webcam and recording software

ENG030 Creative Writing

11th & 12th Grade Only
Course Length: One Semester (repeatable for up to 1.0 credit)
Prerequisites: ENG303: American Literature or ENG304: Honors American Literature (may be taken concurrently)
Creative Writing focuses on the four-step Process Writing model and the reading of professional writings to motivate students to create original essays, poems, and short stories. The writing assignments include narration, definition, process analysis, cause and effect and comparison/contrast. Students learn self-editing skills by following the instructor's detailed suggestions for the revision and refinement of their work.

OTH036 Gothic Literature

Course length: One Semester
Prerequisites: None
Since the eighteenth century, Gothic tales have influenced fiction writers and fascinated readers. This course focuses on the major themes found in Gothic literature and demonstrates how the core writing drives a suspenseful environment for readers. It presents some of the recurring themes and elements found in the genre. As they complete the course, students gain an understanding of and an appreciation for the complex nature of Gothic literature.
Materials*: Dracula, *Frankenstein, The Strange Case of Dr. Jekyll and Mr. Hyde*, a variety of short stories and poems with Gothic elements

FITNESS/PE

1.5 Fitness/PE credits required

OTH021 Personal Fitness 1

Course Length: One Semester
Prerequisites: None
In this course, high school students will study ways to get and stay fit through moderate and vigorous activities, sports, and recreation. They will study the components and benefits of fitness. Students will also study self-management, stress management, and lifestyle practices to achieve and maintain fitness. In addition to their reading lessons, students complete a variety of activities, assignments, quizzes, and tests to assess their understanding of the content studied.
Materials: *Fitness for Life*

OTH022 Personal Fitness 2

Course Length: One Semester
Prerequisites: None
In this course, high school students will study ways to get and stay fit through moderate and vigorous activities, sports, and recreation. They will study the components and benefits of fitness. Students will also study self-management, stress management, and lifestyle practices to achieve and maintain fitness. In addition to their reading lessons, students complete a variety of activities, assignments, quizzes, and tests to assess their understanding of the content studied.
Materials: *Fitness for Life*

OTH020 Physical Education

Course Length: One Semester
Prerequisites: OTH021
The objective of this course is for students to become self-directed, engaged, and excited by physical activity. Students will understand SMART goals and create a project-based proposal that they will design and implement throughout the semester. Weekly reflection journals and Class Connect sessions will provide accountability and student-led feedback and problem-solving. The final project/presentation can be submitted via PowerPoint, video, presentation to Class Connect, blog, podcast, posters, brochures, pamphlets, or comprehensive written assignment. Weekly reflection journals will include answering questions about the project in addition to requiring research, experiments, and interviews relevant to the student proposal. Students will need to consider equipment, certifications, ecological impact, community relations, budget, nutrition, safety and first aid, revisions to the project, problem-solving, and maintaining discipline and focus. Concepts addressed in this assignment will also demonstrate mastery of core competencies and standards in PE as applied to the projects themselves.

GENERAL ELECTIVES

A note about electives: In addition to these General Electives, you may take "extra" courses in any department as electives as long as you have met the pre-requisites and other requirements (such as grade level).

PRJ010 Service-Learning Leadership

Project Length: Varies
Prerequisites: None

Learn how to become a servant leader in your school and community while learning about respect, honesty, humility, commitment, forgiveness, selflessness, kindness and patience. This class focuses on spending time with one another in supportive virtual and "real" service-learning environments. Get to know other students in your school while learning communications skills that you will use your entire life. Participate in a 40 Day Character Dare initiative that will challenge you to step outside of your comfort zone and push yourself to succeed in life while helping others. In this class, you will create and lead fun activities that will allow you to start forming relationships with other WAVA students. *Note: Service-Learning Leadership meets 2 times per week to have more time for student-to-student interaction.

BUS120 Hospitality and Tourism (not offered 2022-23)

Course length: One Semester
Prerequisites: None

With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, the hospitality and tourism industry is one of the fastest growing in the world. This course introduces the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Students learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

OTH161 Early Childhood Education

Course length: One Semester
Prerequisites: None

Children experience enormous changes in the first few years of their lives. They learn to walk, talk, run, jump, read and write, among other milestones. Caregivers can help infants, toddlers, and children grow and develop in positive ways. This course is for students who want to influence the most important years of human development. In the course, students learn how to create fun and educational environments for children; how to keep the environment safe for children; and how to encourage the health and well-being of infants, toddlers, and school-aged children.

GLOBAL WORLD LANGUAGES

2.0 Credits Required for 4-Year College Admission
WAVA High School's global world language courses are highly academic electives. Though global language credit is not a graduation requirement, most four-year universities will require a minimum of two years of the same global world language for admission. Students who do not plan on 4-year college admission may choose different electives in their Personal Pathway plan. WAVA High School's global world language does count as a Personal Pathway credit. Currently WAVA does not offer 'competency-based credit' for non-native English speakers. Students may earn global language credit at their local resident school if it is offered. More information can be found here.

WLG100 Spanish 1

Course Length: Two Semesters
Prerequisite: Students must pass the first semester class to enroll in the second semester

Students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Students are initially trained to recognize key sounds and basic vocabulary, not only in written form but also through ear training that leads quickly to oral production. Vocabulary and grammar topics are introduced in an ongoing adventure story that prompts students to use skills from all four language learning areas. Students learn fundamental grammar embedded in authentic spoken language. Cultural information covers major Spanish-speaking areas in Europe and the Americas. All-new graphics, videos, and games keep students engaged, and make learning languages exciting.

Materials: Vox Everyday Spanish and English Dictionary

WLG200 Spanish 2

Course Length: Two Semesters

Prerequisite: WLG100 Spanish 1; Students must pass the first semester class to enroll in the second semester

In this continuing introduction to Spanish, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. A continuing storyline introduces and reinforces new vocabulary, while activities prompt students to analyze meaning from context, and then to reproduce new vocabulary in real-life oral expression. Additional verb tenses and idiomatic expressions are also introduced. As in Spanish I, students learn grammar through supplemental texts that supply traditional charts, tables, and explanations. Cultural information addresses Spanish as it is used around the globe. All-new graphics, videos, and games keep students engaged, and make learning languages exciting.
Materials: Vox Everyday Spanish and English Dictionary

WLG300 Spanish 3

Course Length: Two Semesters

Prerequisite: WLG200: Spanish 2; Students must pass the first semester class to enroll in the second semester

Students further deepen their understanding of Spanish by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts. Students should expect to be actively engaged in their own language learning, use correct vocabulary terms and phrases naturally, incorporate a wide range of grammar concepts consistently and correctly while speaking and writing, participate in conversations covering a wide range of topics and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries, read and analyze important pieces of Hispanic literature, and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in Spanish.
Materials: a speaker and microphone are necessary (a headset combination is recommended); Vox Everyday Spanish and English Dictionary or equivalent is recommended

WLG110 French I

Course Length: Two Semesters

Prerequisite: Students must pass the first semester class to enroll in the second semester

Students begin their introduction to French with fundamental building blocks in four key areas of foreign-language study: listening comprehension, speaking, reading, and writing. Students are initially trained to recognize key sounds and basic vocabulary, not only in written form but also through ear training that leads quickly to oral production. An ongoing adventure story introduces vocabulary and grammar topics and prompts students to use skills from the four language-learning areas. Students learn fundamental grammar embedded in authentic spoken language. All- new graphics, videos, and games keep students engaged, and make learning languages exciting.
Materials: Larousse Student French English/English French Dictionary

WLG210 French II

Course Length: Two Semesters

Prerequisite: WLG110: French 1; Students must pass the first semester class to enroll in the second semester

In this continuing introduction to French, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. A continuing storyline introduces and reinforces new vocabulary, while activities prompt students to analyze meaning from context, and then to reproduce new vocabulary items in functional real-life oral expression. Additional verb tenses and idiomatic expressions are also introduced. As in French I, students learn grammar through supplemental texts that supply traditional charts, tables, and explanations. All-new graphics, videos, and games keep students engaged, and make learning languages exciting.
Materials: Larousse Student French English/English French Dictionary

WLG310 French III

Course Length: Two Semesters

Prerequisite: WLG210: French 2; Students must pass the first semester class to enroll in the second semester

Students further deepen their understanding of French by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in both formal and Informal spoken and written contexts. Students should expect to be actively engaged in their own language learning, use correct vocabulary terms and phrases naturally, incorporate a wide range of grammar concepts consistently and correctly while speaking and writing, participate in conversations covering a wide range of topics, respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, read and analyze important pieces of literature, and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in French.
Materials: A speaker and microphone are necessary (a headset combination is recommended); Larousse Student French English/English French Dictionary or equivalent is recommended

HEALTH

0.5 Health credits required

OTH010 Skills for Health

Course Length: One Semester
Prerequisites: None

This course focuses on important skills and knowledge in nutrition; physical activity; the dangers of substance use and abuse; injury prevention and safety; growth and development; and personal health, environmental conservation, and community health resources. The curriculum is designed around topics and situations that engage student discussion and motivate students to analyze internal and external influences on their health-related decisions. The course helps students build the skills they need to protect, enhance, and promote their own health and the health of others.

HISTORY/SOCIAL STUDIES

3.0 History Credits Required

Default Course Progression: Geography → Modern World Studies → U.S. History → Civics

Washington State History, U.S. History and Civics are required courses for graduation.
If Washington State History was not taken in middle school, students should begin with it in 9th grade.
Civics should be taken in 12th grade.

HST105 Washington State History

State Requirement for Graduation
Course Length: One Semester
Prerequisites: None

All students must take this course, unless they have already taken it in middle school. In this course, students will study the history of the state of Washington with a focus on its earliest inhabitants, development, environment, people, economics & government to understand the Pacific Northwest. Students will study these major areas to understand the complex background of Washington with the goal of having a sound foundation upon which to formulate opinions concerning what is happening now in our state. The course is organized chronologically and thematically with the Unit titles below. Students complete discussions, projects, and multiple-choice assessments to demonstrate their learning. The units of study include: 1. Territory & Treaty Making, 2. Railroads, Reform, Immigration & Labor, 3. Great Depression & World War II, 4. New Technologies & Industries, 5. Contemporary Washington: Government, 6. Contemporary Washington: Economics & Personal Finance and 7. Contemporary Washington: Industry & Trade.

Materials: *The Washington Journey 2nd Edition* textbook & workbook

HST213 Geography

Course Length: One Semester (repeatable for up to 1.0 credit)
Prerequisites: None

Summit Geography can be taken for a single semester or repeated for a full year. The course units are broken down by region/continent. Semester one focus: North America, Central America, South America, and Europe. Semester two focus: Asia, Africa and Australia. Each semester uses geographic features to explore how human relationships, political and social structures, economics, science, technology, and the arts have developed and influenced life in countries around the world. Throughout the courses, students learn how to read maps, charts, and graphs rigorously and critically—and how to create them. Examining the intersection of culture and geography, students discover how a mountain in the distance can inspire national policymakers, civil engineers, or poets; how a river triggers the activity of bridge builders, shipbuilders, and merchants alike; and how the sound of a busy Cairo Street can inspire sociologists and musicians. Students come to understand how the drama of human history and cultural encounters—affecting land, natural resources, religious dominance, and more—is played out on the geographical stage

HST203 Modern World Studies

Course Length: Two Semesters
Prerequisites: HST103 World History, K12 Middle School Intermediate World History A and B, or equivalent

In this comprehensive course, students follow the history of the world from approximately 1870 to the present. They begin with a study of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore topics in physical and human geography and investigate issues of concern in the contemporary world. Online lessons help students organize study, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

Materials: *The Human Odyssey, Volume 3*

HST204 Honors Modern World Studies

Course Length: Two Semesters

Prerequisites: HST103 World History, K12 Middle School Intermediate World History A **&** B, or equivalent; success in previous social studies course

In this advanced course, students investigate the history of the world from approximately 1870 to the present. They begin with an analysis of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students undertake an in-depth examination of both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore advanced topics in physical and human geography and investigate issues of concern in the contemporary world. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting research. Students complete independent projects each semester.

Materials: *The Human Odyssey, Volume 3*

HST303 U.S. History

State Requirement for Graduation

Course Length: Two Semesters

Prerequisites: HST103: World History or HST203: Modern World Studies

This course is a full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's *The American Odyssey: A History of the United States.* Online lessons help students organize their study, explore topics in depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

Materials: *The American Odyssey: A History of the United States*

HST304 Honors U.S. History

Course Length: Two Semesters

Prerequisites: HST103: World History or HST203: Modern World Studies; success in previous social studies course

This course is a challenging full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics in depth, review in preparation for assessments, and practice advanced skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.

Materials: *The American Odyssey: A History of the United States*

HST040 Civics

State Requirement for Graduation

12th Grade Only

Course Length: One Semester

Prerequisite: HST303/4: US History

Civics is the study of citizenship and government. This one-semester, 12th grade level, course provides students with a basic understanding of civic life, politics, and government, and a short history of government's foundation and development in this country. Students learn how power and responsibility are shared and limited by government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today.

HST020 Psychology

Course Length: One Semester

Prerequisite: HST303/4: US History (may be taken concurrently)

In this course, students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises. Students learn how to define and use key terms of psychology and how to apply psychological principles to their own lives. Unit topics in this one-semester course include methods of study, biological basis for behavior, learning and memory, development and individual differences, and psychological disorders.

HIST030 Economics

Course Length: One Semester

Prerequisite: HST303/HST304: US History

Students are introduced to the basics of economic principles, and they will learn the importance of understanding different economic systems. They will also investigate how to think like an economist. Students will explore different economic systems, including the American free enterprise system, and they will analyze and interpret data to understand the laws of supply and demand. Students will also be presented with economic applications in today's world. From economics in the world of business, money, banking, and finance, students will see how economics is applied both domestically and globally. Students will also study how the government is involved in establishing economic stability in the American free enterprise system as well as the how the U.S. economy has a global impact.

HIST060 Sociology

Course Length: One Semester

Prerequisite: HST303/HST304: US History (may be taken concurrently)

The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which you live? Students examine social problems in the increasingly connected world and learn how human relationships can strongly influence. Units of study include World of Sociology, Our Culture, Socialization, Social Structure & Group Behavior, Deviance & Crime, Social Stratification & Class, Inequalities of Race & Ethnicity, and Gender.

MATH

3.0 Math Credits Required
Default Course Progression: Algebra 1 → Geometry → Consumer Math/Personal Finance
Minimum for 4-Year College Admission: Algebra 1 → Geometry → Algebra 2 → Pre-Calc/Trig
Highly Competitive College Admission: Algebra 1 → Geometry → Algebra 2 → Pre-Calc/Trig → AP Calculus

MTH128 Algebra 1

State Requirement for Graduation

Course Length: Two Semesters

Prerequisites: None

Stride/K12's Algebra 1 course is designed to align to state standards while engaging and motivating students. The fundamental purpose of this course is to extend the mathematics that students learned in the middle grades. In some ways, this is a more ambitious version of Algebra I than before. The critical areas of study are linear and exponential relationships, applying linear models to data, and analyzing, solving, and using quadratic functions.

Materials: *Summit Curriculum Algebra 1 Reference Guide*

MTH129 Honors Algebra 1

Course Length: Two Semesters

Prerequisites: Success in previous math course

This course prepares students for more advanced courses while they develop algebraic fluency, learn the skills needed to solve equations, and perform manipulations with numbers, variables, equations, and inequalities. They also learn concepts central to the abstraction and generalization that algebra makes possible. Students learn to use number properties to simplify expressions or justify statements; describe sets with set notation and find the union and intersection of sets; simplify and evaluate expressions involving variables, fractions, exponents, and radicals; work with integers, rational numbers, and irrational numbers; and graph and solve equations, inequalities, and systems of equations. They learn to determine whether a relation is a function and how to describe its domain and range; use factoring, formulas, and other techniques to solve quadratic and other polynomial equations; formulate and evaluate valid mathematical arguments using various types of reasoning; translate word problems into mathematical equations and then use the equations to solve the original problems. The course is expanded with more challenging assessments, optional exercises, and threaded discussions that allow students to explore and connect algebraic concepts. There is also an independent honors project each semester. **Materials:** *Algebra 1: Reference Guide and Problem Sets*

MTH208 Geometry

State Requirement for Graduation

Course Length: Two Semesters

Prerequisites: MTH128: Algebra 1, or equivalent

This Summit Geometry course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling.

Materials: *Geometry: A Reference Guide*

MTH209 Honors Geometry

Course Length: Two Semesters

Prerequisites: MTH128: Algebra 1, MTH129: Honors Algebra 1, or equivalent

Students work with advanced geometric concepts in various contexts. They build in-depth ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry. They also develop a sophisticated understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries. Students work on additional challenging assignments, assessments, and research projects.

Materials: *Geometry: A Reference Guide*

MTH308 Algebra 2

Course Length: Two Semesters

Prerequisites: MTH128: Algebra 1 and MTH208: Geometry, or equivalent

In K12's Algebra 2 course, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The course covers sequences and series, probability distributions, and more advanced data analysis techniques.

Materials: *Summit Curriculum Algebra 2 Reference Guide*

MTH309 Summit Honors Algebra II

Course Length: Two Semesters

Prerequisites: MTH128: Algebra 1 and MTH208: Geometry

This course builds upon advanced algebraic concepts covered in Algebra I and prepares students for advanced-level courses. Students extend their knowledge and understanding by solving open-ended problems and thinking critically. Topics include functions and their graphs; quadratic functions; complex numbers, and advanced polynomial functions. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; probability; statistics; and conic sections. Students work on additional challenging assignments, assessments, and research projects.

Materials: *Algebra 2: A Reference Guide*

MTH322 Summit Consumer Math

Course Length: Two Semesters

Prerequisites: MTH128: Algebra 1 and MTH208: Geometry or equivalent

This comprehensive review and study of arithmetic skills applies to both personal and vocational business opportunities. Topics include whole numbers, fractions, percentages, basic statistics, and graphs. Practical applications in finance, taxes, budgeting, banking, and home ownership are provided.

MTH403 Summit Pre-Calculus/Trigonometry

Course Length: Two Semesters

Prerequisites: MTH208: Geometry and MTH308: Algebra 2 or equivalent

Pre-calculus weaves together concepts of algebra and geometry into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include quadratic, exponential, logarithmic, radical, polynomial, and rational functions; matrices; and conic sections in the first semester. The second semester covers an introduction to infinite series, trigonometric ratios, functions, and equations; inverse trigonometric functions; applications of trigonometry, including vectors; polar equations and polar form of complex numbers; arithmetic of complex numbers; and parametric equations. Connections are made throughout the course to calculus and a variety of other fields related to mathematics. Purposeful concentration is placed on how the concepts covered relate to each other. Demonstrating the connection between algebra and geometry concepts highlights the interwoven nature of the study of mathematics.

Suggested Materials: Texas Instruments T1-84 Plus graphing calculator (not provided)

MTH500 AP Calculus

Course Length: Two Semesters

Prerequisites: Success in MTH 204: Honors Geometry, MTH 303: Algebra II and MTH 403: Pre-Calculus/Trigonometry or equivalent

This course is the equivalent of an introductory college-level calculus course. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP exam and further studies in science, engineering, and mathematics.

Suggested Materials: Texas Instruments T1-84 Plus graphing calculator (not provided)

BUS030 Summit Personal Finance

CTE Dual Credit

May be taken for CTE or Math credit

Course Length: One Semester

Prerequisites: None

In this introductory finance course, students learn basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses. They gain a deeper understanding of capitalism and other systems so they can better understand their role in the economy of society. Students are inspired by experiences of finance professionals and stories of everyday people and the choices they make to manage their money.

SCIENCE

3.0 Science Credits Required (2.0 in a Science Lab)
Default Course Progression: Earth Science → Biology → Chemistry/Elective
Minimum 4-Year College Admission: Earth Science → Biology → Chemistry
Suggested Highly Competitive College Admission: Earth Science → Biology → Chemistry à Physics
Health Science Pathway Sequence: Biotechnology → Medical Terminology → Health Sciences

SCI113 Earth Science

Lab Credit: Yes
Course Length: Two Semesters
Prerequisites: None

Earth Science is a lab-based course with writing related coursework. This course provides students with a comprehensive earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of in-depth online lessons, an associated reference book, collaborative activities, and laboratories students can conduct at home. The course prepares students for further studies in geology, meteorology, oceanography, and astronomy courses, and gives them practical experience in implementing scientific methods. Honors designation is available in this class.

SCI203 Biology

Lab Credit: Yes
Course length: Two Semesters
Prerequisites: None

Biology is a lab and algebra-based course with writing related coursework. You will explore cells, genetics, structure and function of living things, ecology, and the theory of evolution. Additionally, students will complete labs using online and real-life simulations where the students will be required to create lab reports and maintain interactive notebooks. Honors designation is available in this class.

SCI303 Chemistry

Lab Credit: Yes
Course length: Two Semesters
Prerequisites: 1.0 high school-level lab science credit, and successful completion of Algebra I

Chemistry is a lab and algebra based physical science course with many math-related problems. You will learn about chemicals that are part of your everyday life, explore the uses of the periodic table, and explore various chemical reactions. Additionally, students will complete analytical labs where algebraic skills and lab reports will be required. This class is strongly recommended if the student desires to pursue college immediately after high school with a science major or minor. Honors designation is available in this class.

SCI330 Anatomy and Physiology

Lab Credit: Yes
Course Length: Two Semesters
Prerequisites: SCI203Biology or HLT041 Biotechnology

These courses provide a thorough introduction to the basics required for the study of the human body. Students receive a general introduction to life functions, the terminology, and phonetic pronunciations used to describe body parts and their locations, as well as an overall review of human development and body processes and system functions. This course also includes infection control and standard precautions, which emphasizes the importance of maintaining health and safety in the health-care work environment, as well as highlighting the latest practices and protocols.

SCI403 Physics

Lab Credit: Yes
Course length: Two Semesters
Prerequisites: MTH303: Algebra II (cannot be taken concurrently); trigonometry skills are required (Algebra II 2nd semester)

Physics is a lab and algebra based physical science course with many math-related problems. This course is designed to explore the fundamental concepts of classical and modern physics as applied to the real world. This course will require extensive study and time put in outside of the classroom. Physics is an intensive algebra course with portions of right triangle trigonometry and requires lab reports. This class is strongly recommended if the student desires to pursue college immediately after high school with a science major or minor. Honors designation available in this course.

HLT041 and HLT042: Biotechnology 1 and 2

Lab Credit: Yes
Course Length: Two Semesters
Prerequisites: Success in a previous high school science course

Biotechnology is a lab and algebra-based course. In this course you will learn the basics of biotechnology and evolutionary theory, explore the various ways we store and preserve food, discover the process of fermentation and microbiology, breeding plants and hybridization. You will also learn how biotech seeks to cure such deadly diseases as cancer and malaria, develop innovative medicine, and effectively feed the world through improved

agricultural systems. Learn about the challenges biotechnology faces today, such as the growth of antibiotic resistant bacteria and questions about the safety of commercially produced genetically modified organisms (GMOs) and new biotechnologies.

HLT213 and HLT214 Medical Terminology 1 and 2

Lab Credit: No
Course Length: Two Semesters
Prerequisites: SCI203 Biology or HLT041 Biotechnology

This course simplifies the process of memorizing complex medical terminology by focusing on the important word parts—common prefixes, suffixes, and root words—that provide a foundation for learning hundreds of medical terms. Organized by body systems, the course follows a logical flow of information: an overview of the body system's structures and functions, a summary of applicable medical specialties, and ultimately pathology, diagnostic, and treatment procedures.

OTH092 Health Sciences 1

Lab Credit: No
Course Length: One Semester
Prerequisites: Success in a previous high school science course

Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and measles identified and diagnosed? Health sciences provide the answers to questions such as these. This course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas.

OTH094 Health Sciences 2

Lab Credit: No
Course Length: One Semester
Prerequisites: OTH092 Health Sciences 1

Challenging. Variable. Rewarding. These three words can be used to describe many careers in the health sciences. In this course, you will learn more about what it takes to be a successful health science professional, including how to communicate with patients. You'll explore the rights and responsibilities of both patients and health science professionals in patient care and learn more about how to promote wellness among patients and health care staff. Finally, you'll learn more about safety in health science settings and the challenges and procedures of emergency care, infection control, and blood-borne pathogens.

SCI010 Summit Environmental Science

CTE or Science Credit Eligible
Lab Credit: Yes
Course length: One Semester
Prerequisites: Success in a previous high school science course

Environmental Science is a lab-based life science class with writing related coursework. The student will learn earth dynamics, biotic and abiotic environmental factors, energy production technologies, biodiversity with emphasis on the real-world relationship between biology, geology, and chemical energy cycles. This program consists of online instruction and related assessments along with labs via online and real-life simulations that require the completion of a lab report. Honors designation is available in this class. This course can be counted toward CTE or Science credit.

SCI030 Summit Forensic Science

11th and 12th Grade Only
Lab Credit: Yes
Course length: One Semester
Prerequisites: Success in a previous high school science course

This course focuses on the application of scientific processes and tools in solving crimes. This course will teach students the application of scientific process for forensic analysis, procedures and principles of crime scene investigations, surveys of physical and trace evidence, the law and courtroom procedures from the point of view of the forensic scientist, trace evidence autopsies, and other aspects of crime investigation.

TCH027 Green Design & Technology

CTE or Science Credit Eligible
Lab Credit: No
Course length: One Semester
Prerequisites: Success in a previous high school science course

This course examines the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students learn about the potential for emerging energy technologies such as water, wind, and solar power. They find out how today's businesses are adapting to the increased demand for sustainable products and services. In this course, students develop a comprehensive understanding of this fast-growing field. This course can be counted toward CTE or Science credits.

OTH033 Veterinary Science

Lab Credit: No
Course Length: One Semester
Prerequisites: Success in a previous high school science course

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Looking at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases affect not only the animals around us, but at times, us humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues are studied and applied.

AGR020 Introduction to Forestry & Natural Resources

Lab Credit: No
Course Length: One Semester
Prerequisite: Success in a previous high school science course

Forests and other natural resources play an important role in our world, from providing lumber and paper products to providing habitat for birds and animals. In the Introduction to Forestry and Natural Resources course, you'll learn more about forest ecology, management, and conservation. You'll explore topics such as environmental policy, land use, water resources, and wildlife management. Finally, you'll learn more about forestry related careers and important issues facing forestry professionals today.

AGR240 Wildlife, Fisheries & Ecology Management 1

Lab Credit: No
Course Length: One Semester
Prerequisites: Success in a previous high school science course

This course provides a comprehensive introduction to the science of ecology and principles of habitat conservation and wildlife management including common environmental laws and regulations, the North American model of wildlife conservation, and population ecology. In addition to introducing these topics in general, this course examines wildlife and habitat management within the context of various habitats, such as forests, wetlands, and grasslands. The program consists of online instruction, interactive assessments, related projects, and supplementary laboratory exercises.