



ADVANCED MATHEMATICS AND SCIENCE PROGRAM OF STUDY

Education Planning Guide for High School and Beyond – Four Year College/University Preparation

Program of Study Overview

The following table provides an overview of courses and credits needed to complete this program of study while meeting the [state's minimum 4-Year College/University entrance requirements](#). Students pursuing this program of study should include at least **2 credits from courses in Bold Italic** in their High School and Beyond Plan to meet the district's 2 credit requirement within a Field of Study area.

Gr	English	Social St.	Science	Math	Health/Sr. Exp	Career and Technical	Art	PE	World Lang	Edmonds SD Graduation Requirements (22 credits) 4.0 credits - English 3.5 credits - Social Studies 2.0 credits - Math 2.0 credits - Science 0.5 credits - Health 1.5 credits - Physical Education 1.0 credits - Art 1.5 credits - Career and Technical 0.5 credits - Senior Experience 5.5 credits - Electives High School and Beyond Plan Culminating Project WASL or Approved Alternative	
9	Eng. 9	Soc. St. 9	Physical Science	Algebra 1	Health	Digital Communications	1.0 credits from Visual or Performing Arts Courses	1.5 credits from PE courses or CTE Equivalencies	World Language		
10	Eng. 10	Soc. St. 10	Life Science/Biology	Geometry	Senior Experience	1.0 credit or more from Career and Technical Education (CTE) courses			World Language		
11	Eng. 11	Soc. St. 11	Algebra 2, Chemistry/Physics, and at least 1 additional credit of Advanced Science or Advanced Math.								
12	Eng. 12	Soc. St. 12	<i>For a list of offerings, click here</i>								
Culminating Senior Project		The Culminating Senior Project includes a Portfolio of Work and Student Project which demonstrate skills learned through the Advanced Mathematics and Science Program of Study.									

Sample High School and Beyond Plan – Four Year College/University Preparation

The following High School and Beyond Plan shows how the courses and credit requirements listed above for this program of study can be met over the course of 4 years. This schedule meets graduation and state minimum 4-Year College/University entry requirements. It is highly recommended that students compare their plan against the entrance requirements of particular colleges of interest.

Grade 9	
Semester 1	Semester 2
English 9	English 9
Social Studies 9	Digital Comm.
Algebra 1	Algebra 1
Physical Science	Physical Science
World Language	World Language
Health	PE

Grade 10	
Semester 1	Semester 2
English 10	English 10
Social Studies 10	Social Studies 10
Geometry	Geometry
Life Science	Life Science
World Language	World Language
CTE Class	CTE Class

Grade 11	
Semester 1	Semester 2
English 11	English 11
Social Studies 11	Social Studies 11
Algebra 2	Algebra 2
Chemistry/Physics	Chemistry/Physics
Open Elective	Open Elective
Arts Course	Arts Course

Grade 12	
Semester 1	Semester 2
English 12	English 12
Social Studies 12	Social Studies 12
Senior Experience	PE or Equivalent
Adv. Math/Science	Adv. Math/Science
Open Elective	Open Elective
PE or Equivalent	Open Elective

Post-High School Options for this Program of Study

The following are just some of the post-high school programs available in Washington related to this program of study. To view more programs in Washington State, visit WOIS at www.wois.org

	Earn an Associates Degree in a Math/Science related Field	Earn Bachelor's Degree in a Math/Science related Field	Earn a Teacher's Certificate and Become a Math or Science Instructor
Post-High School Options	Associate Degree Programs in Math/Science Fields at Edmonds Community College <ul style="list-style-type: none"> Accounting ATA Materials Science Technology AAS-T Aerospace Manufacturing AAS-T Allied Health Programs Computer Science 	Area Bachelor's Degree Programs in Math/Science Fields <ul style="list-style-type: none"> Engineering, University of Washington Natural Sciences, University of Washington Computer Science, University of Washington Engineering, Washington State University Computer Science, Washington State University Science and Math majors, Washington State University College of Science and Technology, Western Washington University 	For information about teacher preparation programs in Washington State, go to: http://www.k12.wa.us/certification/approvedprograms/default.aspx