



ADVANCED MATHEMATICS AND SCIENCE PROGRAM OF STUDY

Education Planning Guide for High School and Beyond – Community and Technical College Preparation

Program of Study Overview

The following table provides an overview of courses and credits needed to complete this program of study while preparing for Community or Technical College entrance. Students pursuing this program of study should include at least **2 credits from courses listed 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	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 credit from Arts courses or CTE Equivalencies	1.5 credits from PE courses or CTE Equivalencies	
10	Eng. 10	Soc. St. 10	Life Science/ Biology	Geometry		1.0 credit or more from Career and Technical Education (CTE) courses			
11	Eng. 11	Soc. St. 11	At least 2 credits of Advanced Science or Advanced Math.						
12	Eng. 12	Soc. St. 12	<i>For a list of offerings, click here</i>		Senior Experience				
Culminating Senior Project		The Culminating Senior Project includes a Portfolio of Work and Student Project which demonstrate skills learned through the Pre-Engineering and Robotics Program of Study.							

Sample High School and Beyond Plan – Community and Technical College Preparation

The following sample 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 district graduation and community/technical college entrance requirements, and allows for additional Advanced Math and Science courses or other electives.

Grade 9	
Semester 1	Semester 2
English 9	English 9
Social Studies 9	Digital Comm.
Algebra 1	Algebra 1
Physical Science	Physical Science
Health	PE
Open Elective	Art or Equivalent

Grade 10	
Semester 1	Semester 2
English 10	English 10
Social Studies 10	Social Studies 10
Geometry	Geometry
Life Science	Life Science
Open Elective	Open Elective
CTE Class	CTE Class

Grade 11	
Semester 1	Semester 2
English 11	English 11
Social Studies 11	Social Studies 11
Adv. Math/Science	Adv. Math/Science
PE or Equivalent	Art or Equivalent
Open Elective	Open Elective
Open Elective	Open Elective

Grade 12	
Semester 1	Semester 2
English 12	English 12
Social Studies 12	Social Studies 12
Adv. Math/Science	Adv. Math/Science
Senior Experience	PE or Equivalent
Open Elective	Open Elective
Open Elective	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 <p><i>NOTE: Students seeking entrance into a 4-year college/university will need to take additional coursework beyond these minimum requirements.</i></p>	For information about teacher preparation programs in Washington State, go to: http://www.k12.wa.us/certification/approvedprograms/default.aspx <p><i>NOTE: Students seeking entrance into a 4-year college/university will need to take additional coursework beyond these minimum requirements.</i></p>