

Mathematics and Science - Advanced

A Program of Study within the Edmonds School District

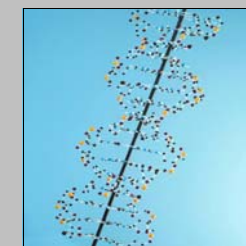
Description

The Mathematics and Science program of study allows students to develop deep understanding and skill using mathematical and/or scientific principles. Science coursework allows students to learn by actively "doing" science through hands-on, minds-on learning experiences which enables them to make personal sense of the physical and natural world, and develop a greater understanding of the role of science in our society and personal life. Mathematical coursework empowers students to attain a solid, common foundation of mathematical understandings and applications. Whether managing their own finances or designing bridges, proficient problem solvers have mastered foundational mathematical competencies which underlie success in life.

Program of Study Courses (2.0 credits from the following)

Courses within this Program of Study and the schools where they are available are listed below. Courses with an (ID) designation are Intradistrict Course available to all district Juniors and Seniors. Courses with two or more subject areas listed are Equivalency Courses which can satisfy more than one subject requirement. [For information about Equivalency Courses, click here.](#)

Course(s)	Credits	Subject Area(s)	EW	LH	MD	MT	SL
MAT631 AP Calculus	1.0	Math	■	■	■	■	
MAT656 AP Statistics	1.0	Math	■	■	■	■	
SCI180 Astronomy	.5	Science		■	■	■	
VOC424 Biotechnology (ID-LHS)	1.0	CTE, Science	■	■	■	■	■
MAT601 Calculus	1.0	Math			■	■	
SCI301 Chemistry	1.0	Science	■	■	■	■	
SCI302 Chemistry Honors	1.0	Science	■	■	■		
SCI351 Chemistry, AP	1.0	Science			■	■	
MAT501 College Transition Math	1.0	Math	■	■		■	
SCI400 Environmental Science	.5	Science					■
SCI420 Ethics in Science	.5	Science		■			
SCI374 Genetics	.5	Science			■		
SCI418 Geology	.5	Science	■	■			■
SCI410 Human Anatomy	.5	Science			■		
IBS531 IB Advanced Physics Honors	1.0	Science	■				
IBS266 IB Anatomy/Physiology Honors	1.0	Science	■				
IBM641 IB Calculus HL Honors	1.0	Math	■				
IBM631 IB Calculus SL Honors	1.0	Math	■				
IBS365 IB Chemistry H	1.0	Science	■				
IBM456 IB Pre-Calculus Honors	1.0	Math	■				
SCI231 Marine Science	1.0	Science	■				
MAT401 Math Analysis/Trigonometry	1.0	Math				■	
SCI501 Physics	1.0	Science	■	■	■	■	
SCI526 Physics Honors	1.0	Science	■				
SCI531 Physics, Advanced	1.0	Science			■		
SCI551 Physics, AP	1.0	Science		■		■	
MAT606 Pre-Calculus	1.0	Math		■	■		
MAT609 Pre-Calculus Honors	1.0	Math	■	■	■		



This Program of Study is connected to the following field(s):

- Arts and Communications
- Business and Marketing
- Engineering and Technology
- Health and Human Services
- Science and Natural Resources

This Program of Study reinforces the following Academic Skills:

- Reading
- Writing
- Mathematics
- Science
- Visual Arts
- Health/Fitness

For more information about this Program of Study, contact the Instructor or your School Counselor or Career Center Specialist