

# SMPH - The Applied Mathematics Major (Honors)

3/C		2/C		1/C	
SP211 General Physics I 3-2-4	NE203 Ethics and Moral Reasoning 3-0-3	NL310 Organizational Behavior 3-0-3	NS300 Maritime Warfare 2-0-2	EW300 Naval Weapon Systems 3-0-3	NS43x Junior Officer Practicum 1-2-2
SM221 Multivariable Calculus 4-0-4	SP212 General Physics II 3-2-4	EE301 Electrical Fundamentals and Applications 3-2-4	EC310 Applications of Cyber Engineering 2-2-3	EW370 Autonomy and Control 0-2-1	NL400 Law for the Naval Leader 2-0-2
HH2xy History - Premodern 3-0-3	NN220 Navigation and Piloting 1-3-2		HH216 History - Modern 3-0-3	EM300 Principles of Propulsion 3-2-4	EA/N4xy Engineering "Aero/Boats/Dirt" 3-2-4
	SM222 Differential Equations 4-0-4	SM331H Honors Real Analysis I 4-0-4	SM332H Honors Real Analysis II 4-0-4	HM SS1 Humanities & Social Sciences Elective 3-0-3	HM SS2 Humanities & Social Sciences Elective 3-0-3
SM261 Linear Algebra I 3-0-3	SM361 Linear Algebra II 4-0-4	SM315 Partial Differential Equations 3-0-3	SM364 Intro to Scientific Computing 3-0-3	TRK EL Track Elective 3-0-3	BR EL Breadth Elective 3-0-3
SM291 Fundamentals of Mathematics 3-0-3	SM233 Intro to Computational Math 2-2-3	BR EL Breadth Elective 3-0-3	SM239 Intro to Probability and Statistics 3-0-3	BR EL Breadth Elective 3-0-3	PROJ 3-0-3
17	20	17	18	17	17

Foundations of Mathematics

Core Pillars of Mathematics

Modeling, Applications & Computations

Breadth Electives

Track Concentration

Individual Research Project