

SMP - The Applied Mathematics Major

3/C		2/C		1/C	
SP211 3-2-4 General Physics I	NE203 3-0-3 Ethics and Moral Reasoning	NL310 3-0-3 Organizational Behavior	NS300 2-0-2 Maritime Warfare	EW300 3-0-3 Naval Weapon Systems	NS43x 1-2-2 Junior Officer Practicum
SM221 4-0-4 Multivariable Calculus	SP212 3-2-4 General Physics II	EE301 3-2-4 Electrical Fundamentals and Applications	EC310 2-2-3 Applications of Cyber Engineering	EW370 0-2-1 Autonomy and Control	NL400 2-0-2 Law for the Naval Leader
HH2xy 3-0-3 History – Premodern	NN220 1-3-2 Navigation and Piloting		HH216 3-0-3 History – Modern	EM300 3-2-4 Principles of Propulsion	EA/N4xy 3-2-4 Engineering “Aero/Boats/Dirt”
	SM222 4-0-4 Differential Equations	SM333 4-0-4 Real Analysis I	SM334 3-0-3 Real Analysis II	HM SS1 3-0-3 Humanities & Social Sciences Elective	HM SS2 3-0-3 Humanities & Social Sciences Elective
SM261 3-0-3 Linear Algebra I	SM361 4-0-4 Linear Algebra II	SM315 3-0-3 Partial Differential Equations	SM364 3-0-3 Intro to Scientific Computing	TRK EL 3-0-3 Track Elective	FR EL 3-0-3 Free Elective
SM291 3-0-3 Fundamentals of Mathematics	SM233 2-2-3 Intro to Computational Math	BR EL 3-0-3 Breadth Elective	SM239 3-0-3 Intro to Probability and Statistics	BR EL 3-0-3 Breadth Elective	PROJ 3-0-3 Capstone
17	20	17	17	17	17

Foundations of Mathematics

Core Pillars of Mathematics

Modeling, Applications & Computations

Breadth & Free Electives

Track Concentration

Capstone Experience