



SMO - The Operations Research Major

New

3/C		2/C		1/C	
NN220 1-3-2 Navigation and Piloting	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 Weapons	NS43x 1-2-2 JO Practicum
SP211 3-2-4 General Physics I	SP212 3-2-4 General Physics II	EC310 2-2-3 Applications of Cyber Engineering	EE301 3-2-4 Electrical Engineering	EW370 0-2-1 Autonomy and Control	NL400 2-0-2 Law for the Naval Leader
HH2xy 3-0-3 History - Premodern World	HH216 3-0-3 History - Modern		HM SS1 3-0-3 Humanities & Social Sciences Elective	HM SS2 3-0-3 Humanities & Social Sciences Elective	EA/N4xy 3-2-4 Engineering "Aero/Boats/Dirt"
SM223 4-0-4 Calculus III with Optimization	SM239 3-0-3 Intro to Probability & Statistics	SM339 3-0-3 Applied Statistics I	BR EL 3-0-3 Breadth Elective	EM300 3-2-4 Principles of Propulsion	FR EL 3-0-3 Free Elective
SA233 2-2-3 Intro to OR with Python	SA234 3-0-3 Data Wrangling & Visualization	SA320 3-0-3 Stochastic Modeling & Analysis	SA321 3-0-3 Simulation Modeling & Analysis	TRK EL 3-0-3 Track Elective	MIL EL 3-0-3 Track Elective
SM261 3-0-3 Linear Algebra I	SA244 3-0-3 Discrete Math for OR	SA305 3-0-3 Linear Optimization	SA306 3-0-3 Integer Optimization	SA473 3-0-3 OR in Action	SA475 3-0-3 Capstone
19	19	15	18	17	17

Foundations
math, computer
programming

Optimization

Analytics

Breadth Elective
e.g., economics,
computer science

Track Electives
applications of OR,
advanced topics

Capstone
real-world projects,
research