

SE (580) Ship Systems Track Course Matrix (As of January 2018) –Spring Entry, Winter Refresher

Refresher	SE1001	SE2003	SE1002	SE2101	
Winter	Math I for SEA	Fundamentals of Mechanical Systems	Math II for SEA	Fundamentals of Electromagnetic Systems	
15-7	(4-2)	(4-2)	(3-1)	(4-2)	
QTR 1	SE3100	SE2440	OS3180	SE 3112	SE3811
Spring	Fundamentals of Systems Engineering	Intro to Scientific Programming	Probability and Statistics for SE	Combat Sys Engineering I (Sensor Fund.)	Critical Thinking
16-7	(3-2)	(3-2)	(4-1)	(4-2)	(2-0)
QTR 2	SI3400	SE 3250	SE 3011	SE 4112	SE3812
Summer	Engineering Project Management	Capabilities Engineering	Engineering Cost Estimation	Combat Sys Engineering III (Sensor Techs)	Engineering Ethics
15-6	(3-2)	(3-2)	(3-0)	(4-2)	(2-0)
QTR 3	SE3302	SE4150	TS3000	SE 3113	SE3813
Fall	Systems Suitability	System Architecting and Design	Electrical Power Engineering	Combat Sys Engineering II (Weapons)	Technical Writing I
15-8	(3-2)	(3-2)	(3-2)	(4-2)	(2-0)
QTR 4	SE 4115	SE4354/OA4603		TS 3001	SE3814
Winter	Combat Systems Integration	Test & Evaluation	Track Elective	Fundamentals of Naval Architecture	Technical Writing II
16+?-4+?	(4-2)	(4-0)	(?-?)	(3-2)	(2-0)
QTR 5	OS 4680	SE 0811	TS4001	SE 3121	SE3000
Spring	Naval Systems Analysis	Thesis Research	Integration of Naval Systems Engineering	Introduction to C4ISR	SE Colloquium
11-10	(4-0)	(0-8)	(3-2)	(3-0)	(1-0)
QTR 6	EO 2701	SE 0811	SE 0811	TS4002	SE3000
Summer	Introduction to Cyber Systems	Thesis Research	Thesis Research	Ship Design Integration	SE Colloquium
7-22	(4-2)	(0-8)	(0-8)	(2-4)	(1-0)
QTR 7			SE 0811	TS4003	SE3000
Fall	SE Elective	SE Elective	Thesis Research	Total Ship Systems Engineering	SE Colloquium
9+?-12+?	(?-?)	(?-?)	(0-8)	(2-4)	(1-0)

Foundation Skills
SE Core
SE Electives
Track Courses
Thesis Slots
Project Sequence
Graduate Success/ Professional Development