

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

Refresher	SE1001	SE2003	SE1002	SE2101	
Summer	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
Fall	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	TS 3001	SE 4112	SE3812
Winter	Engineering Project Management	Capabilities Engineering	Fundamentals of Naval Architecture	Combat Sys Engineering III (Sensor Tech)	Engineering Ethics
15-8	(3-2)	(3-2)	(3-2)	(4-2)	(2-0)
QTR 3	SE3302	SE4150	TS4001	SE 3113	SE3813
Spring	Systems Suitability	System Architecting and Design	Integration of Naval Engineering Systems	Combat Sys Engineering II (Weapons)	Technical Writing I
15-8	(3-2)	(3-2)	(3-2)	(4-2)	(2-0)
QTR 4	SE 3011	SE 4115	SE4354/OA4603	TS4002	SE3814
Summer	Engineering Cost Estimation	Combat/Ship Systems Integration	Test & Evaluation	Ship Design Integration	Technical Writing II
15-6	(3-0)	(4-2)	(4-0)	(2-4)	(2-0)
QTR 5	OS 4680	SE 3121	TS3000	TS4003	SE3000
Fall	Naval Systems Analysis	Introduction to C4ISR	Electrical Power Engineering	Total Ship Systems Engineering	SE Colloquium
13-6	(4-0)	(3-0)	(3-2)	(2-4)	(1-0)
QTR 6	EO 2701		SE 0811	SE 0811	SE3000
Winter	Introduction to Cyber Systems	SE Elective	Thesis Research	Thesis Research	SE Colloquium
5+?-18+?	(4-2)	(?-?)	(0-8)	(0-8)	(1-0)
QTR 7			SE 0811	SE 0811	SE3000
Spring	SE Elective	Track Elective	Thesis Research	Thesis Research	SE Colloquium
1+?-16+?	(?-?)	(?-?)	(0-8)	(0-8)	(1-0)

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