

**Office of the Registrar
United States Merchant Marine Academy**

Class of 2027 A & Beyond**Major: Marine Transportation A**

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	NAUT120 Terrestrial Navigation 1	2	2	4.00	3.00	NAUT125 Terrestrial Navigation 2	3	0	3.00	3.00
NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	NAUT130 Introduction to Navigation Law	1	0	1.00	1.00	NAUT160 Ship Constructions and Stability	3	0	3.00	3.00
ECME101 Introduction to Marine Engineer	3	3	4.50	3.50	BUSN210 Principles of Economics	3	0	3.00	3.00	BUSN101 Principles of Leadership	1	0	1.00	1.00
MATH101 Calculus 1	3	0	3.00	3.00	MATH130 Calculus 2 Deck	3	0	3.00	3.00	BUSN110 The Business of Transportation	3	0	3.00	3.00
CHEM100 General Chemistry	3	2	5.00	4.00	PHYS110 Physics 1	3	2	4.50	3.00	PHYS120 Physics 2	3	2	4.50	3.00
LITR101 Composition & Literature	3	0	3.00	3.00	NASC100 Introduction to Naval Science	2	0	2.00	2.00	HIST100 History of Sea Power	3	0	3.00	3.00
PE&A120 First Aid	0	2	1.00	0.50	PE&A110 Basic Swimming	0	2	2.00	1.00	WTRF100 Safety of Life at Sea	1	2	3.00	2.00
PE&A125 Self Defense Tactics	0	2	1.00	0.50	MLOG120 VPDS	0	1	1.00	0.00					
CMDT100 Social Responsibility				0.00										
	16	11	23.50	19.50		14	7	20.50	16.00		17	4	20.50	18.00
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR
NAUT210 Integrated Navigation 1	3	2	5.00	4.00	NSEA210 Cargo Operations 1				1.00	NAUT215 Integrated Navigation 2	3	2	5.00	4.00
NAUT250 Dry Cargo Operations	3	0	3.00	3.00	NSEA215 Integrated Navigation Systems 1				1.00	NAUT225 Celestial Navigation	3	2	5.00	4.00
NAUT270 Maritime Communications-Lowe	2	1	3.00	2.00	NSEA220 Seamanship 1				1.00	COMP105 Computer Programming	0	2	2.00	1.00
MATH200 Probability & Statistics Business	3	0	3.00	3.00	NSEA225 Ship Structure and Stability 1				1.00	BUSN230 Principles of Management	3	0	3.00	3.00
HIST200 Regional Studies	3	0	3.00	3.00	NSEA230 Navigation I				1.00	LITR201 Literature	3	0	3.00	3.00
NASC200 Strategic Sealift	2	0	2.00	2.00	NSEA235 Navigation Law 1				1.00					
PE&A130 Aquatic Survival	0	2	2.00	1.00	ESEA245 Marine Engine for Deck				1.00					
	16	5	21.00	18.00		0	0	0.00	7.00		12	6	18.00	15.00
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR
NAUT220 Liquid Cargo Operations	2	2	4.00	3.00	NSEA310 Cargo Operations 2				2.00	NSEA335 Navigation Law 2				2.00
NAUT230 Navigation Law	2	0	2.00	2.00	NSEA315 Integrated Navigation Systems 2				1.00	NSEA340 Maritime Business				1.00
NAUT240 Meteorology	3	0	3.00	3.00	NSEA320 Seamanship 2				1.50	NSEA345 Maritime Communications at Sea				1.00
NAUT310 Integrated Navigation 3	3	2	5.00	4.00	NSEA325 Ship Structure and Stability 2				1.50	HSEA300 Humanities Sea Practical				1.00
HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00	NSEA330 Navigation II				2.00	INSP100 Internship				1.00
PE&A200 Medical Care Provider	0	2	2.00	1.00										
	12	6	0.00	15.00		0	0	0.00	8.00		0	0	0.00	6.00
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR
NAUT330 The Maritime Regulatory Environ	2	0	2.00	2.00	NAUT470 Maritime Communications, Uppr	2	1	3.00	2.00	NAUT400 License Seminar	0	3	3.00	0.00
NAUT460 Bridge Resource Management	1	2	3.00	2.00	BUSN420 Maritime Economics	3	0	3.00	3.00	ECME480 Marine Engineering for Deck Of	2	1	3.50	2.50
NAUT420 Advanced Firefighting	1	1	2.00	1.50	BUSN430 Admiralty and International Law	2	0	2.00	2.00	BUSN410 Marketing	2	1	3.00	2.50
BUSN300 Fundamentals of Business Law	3	0	3.00	3.00	HIST400 Seminar in National Security Poli	2	0	2.00	2.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00
BUSN310 Accounting & Finance	3	0	3.00	3.00	BUSN440 International Business	3	0	3.00	3.00	Humanities Elective	3	0	3.00	3.00
NASC400 Naval Leadership and Ethics	2	0	2.00	2.00	Elective	3	0	3.00	3.00	Elective	3	0	3.00	3.00
Elective	3	0	3.00	3.00										
	15	3	18.00	16.50		15	1	16.00	15.00		12	5	17.50	13.00

Total In-Resident Credits**146.00****Total Credits****167.00**

**Office of the Registrar
United States Merchant Marine Academy**

Class of 2027 B & Beyond

Major: Marine Transportation B

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	NAUT120 Terrestrial Navigation 1	2	2	4.00	3.00	NAUT125 Terrestrial Navigation 2	3	0	3.00	3.00
NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	NAUT130 Introduction to Navigation Law	1	0	1.00	1.00	NAUT210 Integrated Navigation 1	3	2	5.00	4.00
ECME101 Introduction to Marine Engineer	3	3	4.50	3.50	NAUT160 Ship Constructions and Stability	3	0	3.00	3.00	NAUT250 Dry Cargo Operations	3	0	3.00	3.00
MATH101 Calculus 1	3	0	3.00	3.00	MATH130 Calculus 2 Deck	2	0	3.00	3.00	BUSN101 Principles of Leadership	1	0	1.00	1.00
CHEM100 General Chemistry	3	2	5.00	4.00	PHYS110 Physics 1	3	2	3.50	3.00	PHYS120 Physics 2	3	2	3.50	3.00
LITR101 Composition & Literature	3	0	3.00	3.00	HIST100 History of Sea Power	3	0	3.00	3.00	NASC100 Introduction to Naval Science	2	0	2.00	2.00
PE&A120 First Aid	0	2	1.00	0.50	PE&A110 Basic Swimming	0	2	2.00	1.00	PE&A130 Aquatic Survival	0	2	2.00	1.00
PE&A125 Self Defense Tactics	0	2	1.00	0.50	MLOG120 VPDS	0	1	1.00	0.00	WTRF100 Safety of Life at Sea	1	2	3.00	2.00
CMDT100 Social Responsibility				0.00										
	16	11	23.50	19.50		14	7	20.50	17.00		16	8	22.50	19.00
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR
NSEA210 Cargo Operations 1				1.00	NAUT215 Integrated Navigation 2	3	2	5.00	4.00	NAUT230 Navigation Law	2	0	2.00	2.00
NSEA215 Integrated Navigation Systems 1				1.00	NAUT220 Liquid Cargo Operations	2	2	4.00	3.00	NAUT270 Maritime Communications-Lowe	2	1	3.00	2.00
NSEA220 Seamanship 1				1.00	NAUT225 Celestial Navigation	3	2	5.00	4.00	NAUT310 Integrated Navigation 3	3	2	5.00	4.00
NSEA225 Ship Structure and Stability 1				1.00	NAUT240 Meteorology	3	0	3.00	3.00	BUSN110 The Business of Transportation	3	0	3.00	3.00
NSEA230 Navigation I				1.00	COMP105 Computer Programming	0	2	2.00	1.00	HIST200 Regional Studies	3	0	3.00	3.00
NSEA235 Navigation Law 1				1.00	BUSN210 Principles of Economics	3	0	3.00	3.00	NASC200 Strategic Sealift	2	0	2.00	2.00
ESEA245 Marine Engine for Deck				1.00										
	0	0	0.00	7.00		14	8	22.00	18.00		15	3	18.00	16.00
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR
NSEA310 Cargo Operations 2				2.00	NSEA335 Navigation Law 2				2.00	NAUT460 Bridge Resource Management	1	2	3.00	2.00
NSEA315 Integrated Navigation Systems 2				1.00	NSEA340 Maritime Business				1.00	BUSN230 Principles of Management	3	0	3.00	3.00
NSEA320 Seamanship 2				1.50	NSEA345 Maritime Communications at Sea				1.00	MATH200 Probability & Statistics Business	3	0	3.00	3.00
NSEA325 Ship Structure and Stability 2				1.50	HSEA300 Humanities Sea Practical				1.00	HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00
NSEA330 Navigation II				2.00	INSP100 Internship				1.00	LITR201 Literature	3	0	3.00	3.00
	0	0	0.00	8.00		0	0	0.00	6.00		12	2	14.00	13.00
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR
NAUT330 The Maritime Regulatory Environ	2	0	2.00	2.00	BUSN300 Fundamentals of Business Law	3	0	3.00	3.00	NAUT400 License Seminar	0	3	3.00	0.00
NAUT420 Advanced Firefighting	1	1	2.00	1.50	BUSN310 Accounting & Finance	3	0	3.00	3.00	ECME480 Marine Engineering for Deck Of	2	1	3.50	2.50
NAUT470 Maritime Communications, Upp	2	1	3.00	2.00	BUSN420 Maritime Economics	3	0	3.00	3.00	BUSN430 Admiralty and International Law	2	0	2.00	2.00
BUSN410 Marketing	2	1	3.00	2.50	HIST400 Seminar in National Security Poli	2	0	2.00	2.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00
NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	BUSN440 International Business	3	0	3.00	3.00	Humanities Elective	3	0	3.00	3.00
PE&A200 Medical Care Provider	0	2	2.00	1.00	Elective	3	0	3.00	3.00	Elective	3	0	3.00	3.00
Elective	3	0	3.00	3.00										
	12	5	17.00	14.00		17	0	17.00	17.00		12	4	16.50	12.50

Total In-Resident Credits 146.00
Total Credits 167.00

Office of the Registrar
United States Merchant Marine Academy

Class of 2027 C & Beyond**Major: Marine Transportation C**

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	NAUT120 Terrestrial Navigation 1	2	2	4.00	3.00	NAUT125 Terrestrial Navigation 2	3	0	3.00	3.00	
NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	NAUT130 Introduction to Navigation Law	1	0	1.00	1.00	NAUT210 Integrated Navigation 1	3	2	5.00	4.00	
ECME101 Introduction to Marine Engineer	3	3	4.50	3.50	NAUT160 Ship Constructions and Stability	3	0	3.00	3.00	NAUT250 Dry Cargo Operations	3	0	3.00	3.00	
MATH101 Calculus 1	3	0	3.00	3.00	MATH130 Calculus 2 Deck	2	0	3.00	3.00	BUSN101 Principles of Leadership	1	0	1.00	1.00	
CHEM100 General Chemistry	3	2	5.00	4.00	PHYS110 Physics 1	3	2	3.50	3.00	PHYS120 Physics 2	3	2	3.50	3.00	
LITR101 Composition & Literature	3	0	3.00	3.00	HIST100 History of Sea Power	3	0	3.00	3.00	NASC100 Introduction to Naval Science	2	0	2.00	2.00	
PE&A120 First Aid	0	2	1.00	0.50	PE&A110 Basic Swimming	0	2	2.00	1.00						
PE&A125 Self Defense Tactics	0	2	1.00	0.50	MLOG 120 VPDS	0	1	1.00	0.00						
CMDT100 Social Responsibility				0.00											
	16	11	23.50	19.50		14	7	20.50	17.00		15	4	17.50	16.00	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
NAUT220 Liquid Cargo Operations	2	2	4.00	3.00	NAUT215 Integrated Navigation 2	3	2	5.00	4.00	NSEA210 Cargo Operations 1				1.00	
NAUT240 Meteorology	3	0	3.00	3.00	NAUT230 Navigation Law	2	0	2.00	2.00	NSEA215 Integrated Navigation Systems 1				1.00	
MATH200 Probability & Statistics Business	3	0	3.00	3.00	NAUT270 Introduction to Maritime Commur	2	1	3.00	2.00	NSEA220 Seamanship 1				1.00	
BUSN210 Principles of Economics	3	0	3.00	3.00	COMP105 Computer Programming	0	2	2.00	1.00	NSEA225 Ship Structure and Stability 1				1.00	
HIST200 Regional Studies	3	0	3.00	3.00	BUSN110 The Business of Transportation	3	0	3.00	3.00	NSEA230 Navigation I				1.00	
WTRF100 Safety of Life at Sea	1	2	3.00	2.00	LITR201 Literature	3	0	3.00	3.00	NSEA235 Navigation Law 1				1.00	
PE&A130 Aquatic Survival	0	2	2.00	1.00						ESEA245 Marine Engine for Deck				1.00	
	15	6	21.00	18.00		13	5	18.00	15.00		0	0	0.00	7.00	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
NAUT225 Celestial Navigation	3	2	5.00	4.00	NAUT310 Integrated Navigation 3	3	2	5.00	4.00	NSEA310 Cargo Operations 2				2.00	
NAUT420 Advanced Firefighting	1	1	2.00	1.50	NAUT330 The Maritime Regulatory Environ	2	0	2.00	2.00	NSEA315 Integrated Navigation Systems 2				1.00	
BUSN230 Principles of Management	3	0	3.00	3.00	BUSN310 Accounting & Finance	3	0	3.00	3.00	NSEA320 Seamanship 2				1.50	
BUSN300 Fundamentals of Business Law	3	0	3.00	3.00	BUSN410 Marketing	2	1	3.00	2.50	NSEA325 Ship Structure and Stability 2				1.50	
NASC200 Strategic Sealift	2	0	2.00	2.00	BUSN420 Maritime Economics	3	0	3.00	3.00	NSEA330 Navigation II				2.00	
Elective	3	0	3.00	3.00	HIST300 Seminar in U.S. History since 194	2	0	2.00	2.00						
	15	3	18.00	16.50		15	3	18.00	16.50		0	0	0.00	8.00	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
NSEA335 Navigation Law 2				2.00	NAUT460 Bridge Resource Management	1	2	3.00	2.00	NAUT400 License Seminar	0	3	3.00	0.00	
NSEA340 Maritime Business				1.00	NAUT470 Maritime Communications, Upp	2	1	3.00	2.00	ECME480 Marine Engineering for Deck Of	2	1	3.50	2.50	
NSEA345 Maritime Communications at Sea				1.00	HIST400 Seminar in National Security Poli	2	0	2.00	2.00	BUSN430 Admiralty and International Law	2	0	2.00	2.00	
HSEA300 Humanities Sea Practical				1.00	NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
INSP100 Internship				1.00	PE&A200 Medical Care Provider	0	2	2.00	1.00	Humanities Elective	3	0	3.00	3.00	
					BUSN440 International Business	3	0	3.00	3.00	Elective	3	0	3.00	3.00	
					Elective	3	0	3.00	3.00						
	0	0	0.00	6.00		13	5	18.00	15.00		12	4	16.50	12.50	
											Total In-Resident Credits				146.00
											Total Credits				167.00

**Office of the Registrar
United States Merchant Marine Academy**

Class of 2027 A & Beyond

Major: Maritime Logistics & Security A

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	NAUT120 Terrestrial Navigation 1	2	2	4.00	3.00	NAUT125 Terrestrial Navigation 2	3	0	3.00	3.00	
NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	NAUT130 Introduction to Navigation Law	1	0	1.00	1.00	NAUT160 Ship Constructions and Stability	3	0	3.00	3.00	
ECME101 Introduction to Marine Engineeri	3	3	4.50	3.50	BUSN210 Principles of Economics	3	0	3.00	3.00	BUSN 101 Principles of Leadership	1	0	1.00	1.00	
LITR101 Composition & Literature	3	0	3.00	3.00	MATH130 Calculus 2 Deck	3	0	3.00	3.00	BUSN110 The Business of Transportation	3	0	3.00	3.00	
MATH101 Calculus 1	3	0	3.00	3.00	PHYS110 Physics 1	3	2	4.50	3.00	PHYS120 Physics 2	3	2	4.50	3.00	
CHEM100 General Chemistry	3	2	5.00	4.00	NASC100 Introduction to Naval Science	2	0	2.00	2.00	HIST100 History of Sea Power	3	0	3.00	3.00	
PE&A120 First Aid	0	2	1.00	0.50	PE&A110 Basic Swimming	0	2	2.00	1.00	PE&A130 Aquatic Survival	0	2	2.00	1.00	
PE&A125 Self Defense Tactics	0	2	1.00	0.50	MLOG120 VPDS	0	1	1.00	0.00	WTRF100 Safety of Life at Sea	1	2	3.00	2.00	
CMDT100 Social Responsibility				0.00											
	16	11	23.50	19.50		14	7	20.50	16.00		17	6	22.50	19.00	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
NAUT210 Integrated Navigation 1	3	2	5.00	4.00	NSEA210 Cargo Operations 1				1.00	NAUT215 Integrated Navigation 2	3	2	5.00	4.00	
NAUT250 Dry Cargo Operations	3	0	3.00	3.00	NSEA215 Integrated Navigation Systems 1				1.00	NAUT225 Celestial Navigation	3	2	5.00	4.00	
NAUT270 Maritime Communications-Lowe	2	1	3.00	2.00	NSEA220 Seamanship 1				1.00	COMP105 Computer Programming	0	2	2.00	1.00	
MATH200 Probability & Statistics Business	3	0	3.00	3.00	NSEA225 Ship Structure and Stability 1				1.00	BUSN230 Principles of Management	3	0	3.00	3.00	
HIST200 Regional Studies	3	0	3.00	3.00	NSEA230 Navigation I				1.00	LITR201 Literature	3	0	3.00	3.00	
NASC200 Strategic Sealift	2	0	2.00	2.00	NSEA235 Navigation Law 1				1.00						
	16	3	19.00	17.00	ESEA245 Marine Engine for Deck	0	0	0.00	7.00		12	6	18.00	15.00	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
NAUT220 Liquid Cargo Operations	2	2	4.00	3.00	NSEA310 Cargo Operations 2				2.00	NSEA335 Navigation Law 2				2.00	
NAUT230 Navigation Law	2	0	2.00	2.00	NSEA315 Integrated Navigation Systems 2				1.00	NSEA340 Maritime Business				1.00	
NAUT240 Meteorology	3	0	3.00	3.00	NSEA320 Seamanship 2				1.50	NSEA345 Maritime Communications at Sea				1.00	
NAUT310 Integrated Navigation 3	3	2	5.00	4.00	NSEA325 Ship Structure and Stability 2				1.50	HSEA300 Humanities Sea Practical				1.00	
MLOG200 Integrated Logistics Manageme	3	0	3.00	3.00	NSEA330 Navigation II				2.00	INSP100 Internship				1.00	
HIST300 Seminar in U.S. History since 194	2	0	2.00	2.00											
PE&A200 Medical Care Provider	0	2	2.00	1.00											
	15	6	21.00	18.00		0	0	0.00	8.00		0	0	0.00	6.00	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
NAUT330 The Maritime Regulatory Environ	2	0	2.00	2.00	NAUT470 Maritime Communications, Uppε	2	1	3.00	2.00	NAUT400 License Seminar	0	3	3.00	0.00	
NAUT420 Advanced Firefighting	1	1	2.00	1.50	BUSN420 Maritime Economics	3	0	3.00	3.00	ECME480 Marine Engineering for Deck Of	2	1	3.50	2.50	
NAUT460 Bridge Resource Management	1	2	3.00	2.00	BUSN430 Admiralty and International Law	2	0	2.00	2.00	BUSN410 Marketing	2	1	3.00	2.50	
BUSN300 Fundamentals of Business Law	3	0	3.00	3.00	MLOG425 Maritime Security Research Ser	3	0	3.00	3.00	MLOG450 Capstone Project Seminar	3	0	3.00	3.00	
BUSN310 Accounting & Finance	3	0	3.00	3.00	MLOG430 Chartering and Brokerage	3	0	3.00	3.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
MLOG310 Vessel Security Officer/Compar	3	0	3.00	3.00	HIST400 Seminar in National Security Polic	2	0	2.00	2.00	Humanities Elective	3	0	3.00	3.00	
MLOG400 Port and Terminal Operations	3	0	3.00	3.00											
NASC400 Naval Leadership and Ethics	2	0	2.00	2.00											
	18	3	21.00	19.50		15	1	16.00	15.00		12	5	17.50	13.00	
											Total In-Resident Credits				152.00
											Total Credits				173.00

**Office of the Registrar
United States Merchant Marine Academy**

Class of 2027 B & Beyond**Major: Maritime Logistics & Security B**

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	NAUT120 Terrestrial Navigation 1	2	2	4.00	3.00	NAUT125 Terrestrial Navigation 2	3	0	3.00	3.00	
NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	NAUT130 Introduction to Navigation Law	1	0	1.00	1.00	NAUT210 Integrated Navigation 1	3	2	5.00	4.00	
ECME101 Introduction to Marine Engineeri	3	3	4.50	3.50	NAUT160 Ship Constructions and Stability	3	0	3.00	3.00	NAUT250 Dry Cargo Operations	3	0	3.00	3.00	
MATH101 Calculus 1	3	0	3.00	3.00	MATH130 Calculus 2 Deck	2	0	3.00	3.00	BUSN101 Principles of Leadership	1	0	1.00	1.00	
CHEM100 General Chemistry	3	2	5.00	4.00	PHYS110 Physics 1	3	2	3.50	3.00	PHYS120 Physics 2	3	2	3.50	3.00	
LITR101 Composition & Literature	3	0	3.00	3.00	HIST100 History of Sea Power	3	0	3.00	3.00	NASC100 Introduction to Naval Science	2	0	2.00	2.00	
PE&A120 First Aid	0	2	1.00	0.50	PE&A110 Basic Swimming	0	2	2.00	1.00	PE&A130 Aquatic Survival	0	2	2.00	1.00	
PE&A125 Self Defense Tactics	0	2	1.00	0.50	MLOG120 VPDS	0	1	1.00	0.00	WTRF100 Safety of Life at Sea	1	2	3.00	2.00	
CMDT100 Social Responsibility				0.00											
	16	11	23.50	19.50		14	7	20.50	17.00		16	8	22.50	19.00	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
NSEA210 Cargo Operations 1				1.00	NAUT215 Integrated Navigation 2	3	2	5.00	4.00	NAUT230 Navigation Law	2	0	2.00	2.00	
NSEA215 Integrated Navigation Systems 1				1.00	NAUT220 Liquid Cargo Operations	2	2	4.00	3.00	NAUT270 Maritime Communications-Low	2	1	3.00	2.00	
NSEA220 Seamanship 1				1.00	NAUT225 Celestial Navigation	3	2	5.00	4.00	NAUT310 Integrated Navigation 3	3	2	5.00	4.00	
NSEA225 Ship Structure and Stability 1				1.00	NAUT240 Meteorology	3	0	3.00	3.00	BUSN110 The Business of Transportati	3	0	3.00	3.00	
NSEA230 Navigation I				1.00	COMP105 Computer Programming	0	2	2.00	1.00	HIST200 Regional Studies	3	0	3.00	3.00	
NSEA235 Navigation Law 1				1.00	BUSN210 Principles of Economics	3	0	3.00	3.00	NASC200 Strategic Sealift	2	0	2.00	2.00	
ESEA245 Marine Engine for Deck				1.00											
	0	0	0.00	7.00		14	8	22.00	18.00		15	3	18.00	16.00	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
NSEA310 Cargo Operations 2				2.00	NSEA335 Navigation Law 2				2.00	NAUT460 Bridge Resource Management	1	2	3.00	2.00	
NSEA315 Integrated Navigation Systems 2				1.00	NSEA340 Maritime Business				1.00	BUSN230 Principles of Management	3	0	3.00	3.00	
NSEA320 Seamanship 2				1.50	NSEA345 Maritime Communications at Sea				1.00	MLOG200 Integrated Logistics Managem	3	0	3.00	3.00	
NSEA325 Ship Structure and Stability 2				1.50	HSEA300 Humanities Sea Practical				1.00	MATH200 Probability & Statistics Busines	3	0	3.00	3.00	
NSEA330 Navigation II				2.00	INSP100 Internship				1.00	HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00	
	0	0	0.00	8.00		0	0	0.00	6.00	LITR201 Literature	3	0	3.00	3.00	
											15	2	17.00	16.00	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
NAUT330 The Maritime Regulatory Environ	2	0	2.00	2.00	BUSN300 Fundamentals of Business Law	3	0	3.00	3.00	NAUT400 License Seminar	0	3	3.00	0.00	
NAUT420 Advanced Firefighting	1	1	2.00	1.50	BUSN310 Accounting & Finance	3	0	3.00	3.00	ECME480 Marine Engineering for Deck C	2	1	3.50	2.50	
NAUT470 Maritime Communications, Upper	2	1	3.00	2.00	BUSN420 Maritime Economics	3	0	3.00	3.00	BUSN430 Admiralty and International Law	2	0	2.00	2.00	
BUSN410 Marketing	2	1	3.00	2.50	MLOG425 Maritime Security Research Ser	3	0	3.00	3.00	MLOG450 Capstone Project Seminar	3	0	3.00	3.00	
MLOG310 Vessel Security Officer/Compar	3	0	3.00	3.00	MLOG430 Chartering and Brokerage	3	0	3.00	3.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
MLOG400 Port and Terminal Operations	3	0	3.00	3.00	HIST400 Seminar in National Security Poli	2	0	2.00	2.00	Humanities Elective	3	0	3.00	3.00	
NASC400 Naval Leadership & Ethics	2	0	2.00	2.00											
PE&A200 Medical Care Provider	0	2	2.00	1.00											
	15	5	20.00	17.00		17	0	17.00	17.00		12	4	16.50	12.50	
											Total In-Resident Credits				152.00
											Total Credits				173.00

**Office of the Registrar
United States Merchant Marine Academy**

Class of 2027 C & Beyond**Major: Maritime Logistics & Security C**

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	NAUT120 Terrestrial Navigation 1	2	2	4.00	3.00	NAUT125 Terrestrial Navigation 2	3	0	3.00	3.00	
NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	NAUT130 Introduction to Navigation Law	1	0	1.00	1.00	NAUT210 Integrated Navigation 1	3	2	5.00	4.00	
ECME101 Introduction to Marine Engineeri	3	3	4.50	3.50	NAUT160 Ship Constructions and Stability	3	0	3.00	3.00	NAUT250 Dry Cargo Operations	3	0	3.00	3.00	
MATH101 Calculus 1	3	0	3.00	3.00	MATH130 Calculus 2 Deck	2	0	3.00	3.00	BUSN101 Principles of Leadership	1	0	1.00	1.00	
CHEM100 General Chemistry	3	2	5.00	4.00	PHYS110 Physics 1	3	2	3.50	3.00	PHYS120 Physics 2	3	2	3.50	3.00	
LITR101 Composition & Literature	3	0	3.00	3.00	HIST100 History of Sea Power	3	0	3.00	3.00	NASC100 Introduction to Naval Science	2	0	2.00	2.00	
PE&A120 First Aid	0	2	1.00	0.50	PE&A110 Basic Swimming	0	2	2.00	1.00	PE&A130 Aquatic Survival	0	2	2.00	1.00	
PE&A125 Self Defense Tactics	0	2	1.00	0.50	MLOG120 VPDS	0	1	1.00	0.00						
CMDT100 Social Responsibility				0.00											
	16	11	23.50	19.50		14	7	20.50	17.00		15	6	19.50	17.00	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
NAUT220 Liquid Cargo Operations	2	2	4.00	3.00	NAUT215 Integrated Navigation 2	3	2	5.00	4.00	NSEA210 Cargo Operations 1				1.00	
NAUT240 Meteorology	3	0	3.00	3.00	NAUT230 Navigation Law	2	0	2.00	2.00	NSEA215 Integrated Navigation Systems 1				1.00	
MATH200 Probability & Statistics Business	3	0	3.00	3.00	NAUT270 Intoduction to Maritime Commur	2	1	3.00	2.00	NSEA220 Seamanship 1				1.00	
BUSN210 Principles of Economics	3	0	3.00	3.00	COMP105 Computer Programming	0	2	2.00	1.00	NSEA225 Ship Structure and Stability 1				1.00	
HIST200 Regional Studies	3	0	3.00	3.00	BUSN110 The Business of Transportation	3	0	3.00	3.00	NSEA230 Navigation I				1.00	
WTRF100 Safety of Life at Sea	1	2	3.00	2.00	LITR201 Literature	3	0	3.00	3.00	NSEA235 Navigation Law 1				1.00	
	15	4	19.00	17.00		13	5	18.00	15.00	ESEA245 Marine Engine for Deck				1.00	
											0	0	0.00	7.00	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
NAUT225 Celestial Navigation	3	2	5.00	4.00	NAUT310 Integrated Navigation 3	3	2	5.00	4.00	NSEA310 Cargo Operations 2				2.00	
NAUT330 The Maritime Regulatory Environ	2	0	2.00	2.00	BUSN300 Fundamentals of Business Law	3	0	3.00	3.00	NSEA315 Integrated Navigation Systems 2				1.00	
NAUT420 Advanced Firefighting	1	1	2.00	1.50	BUSN310 Accounting & Finance	3	0	3.00	3.00	NSEA320 Seamanship 2				1.50	
BUSN230 Principles of Management	3	0	3.00	3.00	BUSN410 Marketing	2	1	3.00	2.50	NSEA325 Ship Structure and Stability 2				1.50	
MLOG200 Integrated Logistics Manageme	3	0	3.00	3.00	MLOG400 Port and Terminal Operations	3	0	3.00	3.00	NSEA330 Navigation II				2.00	
MLOG310 Vessel Security Officer/Compar	3	0	3.00	3.00	HIST300 Seminar in U.S. History since 194	2	0	2.00	2.00						
NASC200 Strategic Sealift	2	0	2.00	2.00											
	17	3	20.00	18.50		16	3	19.00	17.50		0	0	0.00	8.00	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
NSEA335 Navigation Law 2				2.00	NAUT460 Bridge Resource Management	1	2	3.00	2.00	NAUT400 License Seminar	0	3	3.00	0.00	
NSEA340 Maritime Business				1.00	NAUT470 Maritime Communications, Uppr	2	1	3.00	2.00	ECME480 Marine Engineering for Deck Of	2	1	3.50	2.50	
NSEA345 Maritime Communications at Sea				1.00	BUSN420 Maritime Economics	3	0	3.00	3.00	BUSN430 Admiralty and International Law	2	0	2.00	2.00	
HSEA300 Humanities Sea Practical				1.00	MLOG425 Maritime Security Research Ser	3	0	3.00	3.00	MLOG450 Capstone Project Seminar	3	0	3.00	3.00	
INSP100 Internship				1.00	MLOG430 Chartering and Brokerage	3	0	3.00	3.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
					HIST400 Seminar in National Security Poli	2	0	2.00	2.00	Humanities Elective	3	0	3.00	3.00	
					NASC400 Naval Leadership & Ethics	2	0	2.00	2.00						
					PE&A200 Medical Care Provider	0	2	2.00	1.00						
	0	0	0.00	6.00		16	5	21.00	18.00		12	4	16.50	12.50	
											Total In-Resident Credits				152.00
											Total Credits				173.00

Class of 2027 A & Beyond

Major: Marine Engineering A

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	ECEE100 Introduction to Electrical Engineering	3	2	4.00	3.50	ECME105 Introduction to Marine Engineering	3	3	4.50	3.50	
ECME101 Introduction to Marine Engineering	3	3	4.50	3.50	ECMT100 Engineering Graphics	0	2	2.00	1.00	ECES100 Statics	3	0	3	3.00	
MATH101 Calculus I	3	0	3.00	3.00	ECMT111 Engineering Shop I	0	3	3.00	1.00	ECMT112 Engineering Shop II	0	3	3.00	1.00	
PHYS110 Physics 1	3	2	4.50	3.00	MATH140 Calculus 2 Engine	3	0	3.00	3.00	NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	
HIST100 History of Sea Power	3	0	3.00	3.00	PHYS120 Physics 2	3	2	4.50	3.00	BUSN101 Principles of Leadership	1	0	1.00	1.00	
PE&A110 Basic Swimming	0	2	2.00	1.00	LITR101 Composition & Literature	3	0	3.00	3.00	MATH215 Probability & Statistics Engineering	3	0	3.00	3.00	
NASC100 Introduction to Naval Science	2	0	2.00	2.00	PE&A120 First Aid	0	2	1.00	0.50	CHEM100 General Chemistry	3	2	5.00	4.00	
CMDT100 Social Responsibility				0.00	PE&A125 Self Defense Tactics	0	2	1.00	0.50	PE&A130 Aquatic Survival	0	2	2.00	1.00	
										MLOG120 VPDS	0	1	1.00	0.00	
	16	9	23.00	18.50		12	13	21.50	15.50		15	11	24.50	18.50	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
ECES201 Thermodynamics	3	0	3.00	3.00	ESEA210 Machine Shop at Sea				1.00	ECEE200 Electric Circuits	2	2	3.00	2.50	
ECES211 Dynamics	2	1	2.00	2.50	ESEA230 Marine Propulsion 1 at Sea				2.00	ECES220 Introduction to Materials Engineering	2	0	2.00	2.00	
ECES230 Fluid Mechanics	3	2	4.00	3.50	ESEA240 Shipboard Systems 1 at Sea				2.00	ECES221 Introduction to Materials Engineering	0	2	1.00	0.50	
CHEM210 Selected Topics in Chemistry for Engineers	2	1	2.00	2.00	NSEA245 Deck Operations				1.00	COMP105 Computer Programming	0	2	2.00	1.00	
BUSN210 Principles of Economics	3	0	3.00	3.00						MATH240 Introduction to Differential Equations	3	0	3.00	3.00	
WRIT110 Technical & Professional Communication	2	0	2	2.00						HIST200 Regional Studies	3	0	3.00	3.00	
NASC200 Strategic Sealift	2	0	2.00	2.00						LITR201 Literature	3	0	3.00	3.00	
WTRF100 Safety of Life at Sea	1	2	3.00	2.00											
	18	6	21.00	20.00		0	0	0.00	6.00		13	6	17.00	15.00	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
ECDL400 Basic Tanker Operations-Dangerous Goods	2	0	2.00	2.00	ESEA310 Maintenance Management				1.00	ESEA350 Marine Propulsion 3 at Sea				2.50	
ECEE300 Electric Machines	3	2	4.00	3.50	ESEA320 Naval Arch at Sea				1.00	NSEA340 Maritime Business				1.00	
ECES300 Strength of Materials	3	2	4.00	3.50	ESEA330 Marine Propulsion 2 at Sea				2.50	HSEA300 Humanities Sea Practical				1.00	
ECES310 Heat Transfer	3	0	3.00	3.00	ESEA335 Refrigeration at Sea				1.00	INSP100 Internship				1.00	
HIST300 Seminar in U.S. History since 1800	2	0	2.00	2.00	ESEA340 Shipboard Systems 2 at Sea				2.00						
NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	ESEA345 Electrical Engineering at Sea				1.00						
	15	4	17.00	16.00		0	0	0.00	8.50		0	0	0.00	5.50	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
ECME401 Marine Engineering Management	1	2	3.00	2.00	ECEE400 Electronics	2	1	3.00	2.50	ECME460 Marine Engineering License Semester	1	2	3.00	0.50	
ECME440 Engine Room Resource Management	0	4	4.00	1.00	ECME400 Marine Steam Plants and Components	3	3	4.50	3.50	ECES402 Machine Elements	2	1	2.00	2.50	
ECME450 Gas Turbines and marine Auxiliary Engines	3	3	4.50	3.50	ECME410 Marine Steam Plant Simulator	0	3	1.50	0.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50	
ECME470 Marine Plant Automation and Control	2	3	3.50	2.50	ECME420 Internal Combustion Engines	3	3	4.50	3.50	HIST400 Seminar in National Security Policy	2	0	2.00	2.00	
ECNA401 Naval Architecture for Marine Engineers	3	0	2.50	2.50	ECME431 Marine Refrigeration	2	3	3.50	2.50	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
Free Elective	3	0	3.00	3.00	Free Elective	3	0	3.00	3.00	PE&A200 Medical Care Provider	0	2	2.00	1.00	
	12	12	20.50	14.50		13	13	20.00	15.50	Free Elective	3	0	3.00	3.00	
											11	6	16.00	12.50	
											Total In-Resident Credits				146.00
											Total Credits				166.00

Office of the Registrar
United States Merchant Marine Academy

Class of 2027 B & Beyond

Major: Marine Engineering B

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	ECME105 Introduction to Marine Engineeri	3	2	4.00	3.50	ECCE100 Introduction to Electrical Engine	3	2	4.00	3.50	
ECME101 Introduction to Marine Engineeri	3	3	4.50	3.50	ECMT111 Engineering Shop I	0	3	3.00	1.00	ECES100 Statics	3	0	3.00	3.00	
MATH101 Calculus 1	3	0	3.00	3.00	BUSN101 Principles of Leadership	1	0	1.00	1.00	ECMT100 Engineering Graphics	0	2	2.00	1.00	
PHYS110 Physics 1	3	2	4.50	3.00	MATH140 Calculus 2 Engine	2	0	3.00	3.00	ECMT112 Engineering Shop II	0	3	3.00	1.00	
HIST100 History of Sea Power	3	0	3.00	3.00	CHEM100 General Chemistry	3	2	5.00	4.00	NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	
NASC100 Introduction to Naval Science	2	0	2.00	2.00	LITR101 Composition & Literature	3	0	3.00	3.00	MATH215 Probability & Statistics Enginee	3	0	3.00	3.00	
PE&A110 Basic Swimming	0	2	2.00	1.00	PE&A130 Aquatic Survival	0	2	2.00	1.00	PHYS120 Physics 2	3	2	4.50	3.00	
CMDT100 Social Responsibility				0.00	MLOG120 VPDS	0	1	1.00	0.00	PE&A120 First Aid	0	2	1.00	0.50	
										PE&A125 Self Defense Tactics	0	2	1.00	0.50	
										WTRF100 Safety of Life at Sea	1	2	3.00	2.00	
	16	9	23.00	18.50		12	10	22.00	16.50		15	15	26.50	19.50	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
ESEA210 Machine Shop at Sea				1.00	ECES201 Thermodynamics	3	0	3.00	3.00	ECDL400 Basic Tanker Operations-Dang	2	0	2.00	2.00	
ESEA230 Marine Propulsion 1 at Sea				2.00	ECES211 Dynamics	2	0	1.00	2.50	ECCE200 Electric Circuits	2	2	3.00	2.50	
ESEA240 Shipboard Systems 1 at Sea				2.00	MATH240 Introduction to Differential Equa	3	0	3.00	3.00	ECES220 Introduction to Materials Engine	2	0	2.00	2.00	
NSEA245 Deck Operations				1.00	CHEM210 Selected Topics in Chemistry fo	2	1	2.00	2.00	ECES221 Introduction to Materials Engine	0	2	1.00	0.50	
					HIST200 Regional Studies	3	0	3.00	3.00	ECES230 Fluid Mechanics	3	2	4.00	3.50	
					WRIT110 Technical & Professional Comr	2	0	2.00	2.00	COMP105 Computer Programming	0	2	2.00	1.00	
					NASC200 Strategic Sealift	2	0	2.00	2.00	BUSN210 Principles of Economics	3	0	3.00	3.00	
	0	0	0.00	6.00		17	1	16.00	17.50		12	8	17.00	14.50	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
ESEA310 Maintenance Management				1.00	ESEA350 Marine Propulsion 3 at Sea				2.50	ECCE300 Electric Machines	3	2	4.00	3.50	
ESEA320 Naval Arch at Sea				1.00	NSEA340 Maritime Business				1.00	ECES300 Strength of Materials	3	2	4.00	3.50	
ESEA330 Marine Propulson 2 at Sea				2.50	HSEA300 Humanities Sea Practical				1.00	ECES310 Heat Transfer	3	0	3.00	3.00	
ESEA335 Refrigeration at Sea				1.00	INSP100 Internship				1.00	HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00	
ESEA340 Shipboard Systems 2 at Sea				2.00						LITR201 Literature	3	0	3.00	3.00	
ESEA345 Electrical Engineering at Sea				1.00						NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	
	0	0	0.00	8.50		0	0	0.00	5.50		16	4	18.00	17.00	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
ECCE400 Electronics	2	1	3.00	2.50	ECEM401 Marine Engineering Managemen	1	2	3.00	2.00	ECES402 Machine Elements	2	1	2.00	2.50	
ECME400 Marine Steam Plants and Comp	3	3	4.50	3.50	ECME440 Engine Room Resource Manag	0	4	4.00	1.00	ECME460 Marine Engineering License St	1	2	3.00	0.50	
ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	ECME450 Gas Turbines and marine Auxili	3	3	4.50	3.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50	
ECME420 Internal Combustion Engines	3	3	4.50	3.50	ECME470 Marine Plant Automation and Co	2	3	3.50	2.50	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
ECME431 Marine Refrigeration	2	3	3.50	2.50	ECNA401 Naval Architecture for Marine Er	3	0	2.50	2.50	HIST400 Seminar in National Security Po	2	0	2.00	2.00	
Free Elective	3	0	3.00	3.00	Free Elective	3	0	3.00	3.00	PE&A200 Medical Care Provider	0	2	2.00	1.00	
										Free Elective	3	0	3.00	3.00	
	13	13	20.00	15.50		12	12	20.50	14.50		11	6	16.00	12.50	
											Total In-Resident Credits				146.00
											Total Credits				166.00

Office of the Registrar
United States Merchant Marine Academy

Class of 2027 C & Beyond**Major: Marine Engineering C**

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	ECEE100 Introduction to Electrical Enginee	3	2	4.00	3.50	ECES100 Statics	3	0	3.00	3.00
ECME101 Introduction to Marine Engineeri	3	3	4.50	3.50	ECMT100 Engineering Graphics	0	2	2.00	1.00	ECME105 Introduction to Marine Engineeri	4	0	3.00	3.50
MATH101 Calculus I	3	0	3.00	3.00	ECMT111 Engineering Shop I	0	3	3.00	1.00	ECMT112 Engineering Shop II	1	0	3.00	1.00
PHYS110 Physics 1	3	2	4.50	3.00	MATH140 Calculus 2 Engine	2	0	3.00	3.00	NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00
PE&A110 Basic Swimming	0	2	2.00	1.00	CHEM100 General Chemistry	3	2	5.00	4.00	BUSN101 Principles of Leadership	1	0	1.00	1.00
HIST100 History of Sea Power	3	0	3.00	3.00	LITR101 Composition & Literature	3	0	3.00	3.00	MATH215 Probability & Statistics Engineer	3	0	3.00	3.00
NASC100 Introduction to Naval Science	2	0	2.00	2.00	PE&A120 First Aid	0	2	1.00	0.50	PHYS120 Physics 2	3	2	4.50	3.00
CMDT100 Social Responsibility				0.00	PE&A125 Self Defense Tactics	0	2	1.00	0.50	PE&A130 Aquatic Survival	0	2	2.00	1.00
					MLOG120 VPDS	0	1	1.00	0.00					
	16	9	23.00	18.50		11	14	23.00	16.50		16	4	21.50	17.50
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR
ECES201 Thermodynamics	3	0	3.00	3.00	ECEE200 Electric Circuits	2	2	3.00	2.50	ESEA210 Machine Shop at Sea				1.00
ECES211 Dynamics	2	1	2.00	2.50	ECES220 Introduction to Materials Enginee	2	0	2.00	2.00	ESEA230 Marine Propulsion 1 at Sea				2.00
MATH240 Introduction to Differential Equal	3	0	3.00	3.00	ECES221 Introduction to Materials Enginee	0	2	1.00	0.50	ESEA240 Shipboard Systems 1 at Sea				2.00
CHEM210 Selected Topics in Chemistry fo	2	1	2.00	2.00	ECES230 Fluid Mechanics	3	2	4.00	3.50	NSEA245 Deck Operations				1.00
HIST200 Regional Studies	3	0	3.00	3.00	COMP105 Computer Programming	0	2	2.00	1.00					
WRIT110 Technical & Professional Comr	2	0	2.00	2.00	LITR201 Literature	3	0	3.00	3.00					
WTRF100 Safety of Life at Sea	1	2	3.00	2.00	NASC200 Strategic Sealift	2	0	3.00	2.00					
	16	4	18.00	17.50		12	8	18.00	14.50		0	0	0.00	6.00
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR
ECEE300 Electric Machines	3	2	4.00	3.50	ECDL400 Basic Tanker Operations-Dange	2	0	2.00	2.00	ESEA310 Maintenance Management				1.00
ECES300 Strength of Materials	3	2	4.00	3.50	ECME400 Marine Steam Plants and Comp	3.00	3	4.50	3.50	ESEA320 Naval Arch at Sea				1.00
ECES310 Heat Transfer	3	0	3.00	3.00	ECME410 Marine Steam Plant Simulation	0.00	3	1.50	0.50	ESEA330 Marine Propulson 2 at Sea				2.50
HIST300 Seminar in U.S. History since 194	2	0	2.00	2.00	ECME420 Internal Combustion Engines	3.00	3	4.50	3.50	ESEA335 Refrigeration at Sea				1.00
NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	ECME431 Marine Refrigeration	2.00	3	3.50	2.50	ESEA340 Shipboard Systems 2 at Sea				2.00
Free Elective	3	0	3.00	3.00	BUSN210 Principles of Economics	3.00	0	3.00	3.00	ESEA345 Electrical Engineering at Sea				1.00
	16	4	18.00	17.00		13	12	19.00	15.00		0	0	0.00	8.50
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR
ESEA350 Marine Propulsion 3 at Sea				2.50	ECEE400 Electronics	2	1	3.00	2.50	ECES402 Machine Elements	2	1	2.00	2.50
NSEA340 Maritime Business				1.00	ECEM401 Marine Engineering Managemen	1	2	3.00	2.00	ECME460 Marine Engineering License Ser	1	2	3.00	0.50
HSEA300 Humanities Sea Practical				1.00	ECME440 Engine Room Resource Manag	0.00	4	4.00	1.00	NAUT420 Advanced Firefighting	1	1	2.00	1.50
INSP100 Internship				1.00	ECME450 Gas Turbines and marine Auxili	3	3	4.50	3.50	HIST400 Seminar in National Security Poli	2	0	2.00	2.00
					ECME470 Marine Plant Automation and Co	2	3	3.50	2.50	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00
					ECNA401 Naval Architecture for Marine Er	3	0	2.50	2.50	PE&A200 Medical Care Provider	0	2	2.00	1.00
					Free Elective	3	0	3.00	3.00	Free Elective	3	0	3.00	3.00
	0	0	0.00	5.50		14	13	23.50	17.00		11	6	16.00	12.50
Total In-Resident Credits													146.00	
Total Credits													166.00	

Office of the Registrar
United States Merchant Marine Academy

Class of 2027 A & Beyond**Major: Marine Engineering Systems A**

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	ECEE100 Introduction to Electrical Engineering	3	2	4.00	3.50	ECES100 Statics	3	0	3.00	3.00	
ECME101 Introduction to Marine Engineering	3	3	4.50	3.50	ECMT100 Engineering Graphics	0	2	2.00	1.00	ECME105 Introduction to Marine Engineering	3	2	3.00	3.50	
MATH101 Calculus 1	3	0	3.00	3.00	ECMT111 Engineering Shop I	0	3	3.00	1.00	ECMT112 Engineering Shop II	1	0	3.00	1.00	
PHYS110 Physics 1	3	2	4.50	3.00	MATH140 Calculus 2 Engine	3	0	3.00	3.00	NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	
HIST100 History of Sea Power	3	0	3.00	3.00	PHYS120 Physics 2	3	2	4.50	3.00	MATH215 Probability & Statistics Engineer	3	0	3.00	3.00	
NASC100 Introduction to Naval Science	2	0	2.00	2.00	LITR101 Composition & Literature	3	0	3.00	3.00	CHEM100 General Chemistry	3	2	5.00	4.00	
PE&A110 Basic Swimming	0	2	2.00	1.00	PE&A120 First Aid	0	2	1.00	0.50	BUSN101 Principles of Leadership	1	0	1.00	1.00	
CMDT100 Social Responsibility				0.00	PE&A125 Self Defense Tactics	0	2	1.00	0.50	PE&A130 Aquatic Survival	0	2	2.00	1.00	
	16	9	23.00	18.50		12	13	21.50	15.50	MLOG120 VPDS	0	1	1.00	0.00	
											16	7	23.00	18.50	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
ECES201 Thermodynamics	3	0	3.00	3.00	ESEA210 Machine Shop at Sea				1.00	ECEE200 Electric Circuits	2	2	3.00	2.50	
ECES211 Dynamics	2	1	2.00	2.50	ESEA230 Marine Propulsion 1 at Sea				2.00	ECES220 Introduction to Materials Engineering	2	0	2.00	2.00	
ECES230 Fluid Mechanics	3	2	4.00	3.50	ESEA240 Shipboard Systems 1 at Sea				2.00	ECES221 Introduction to Materials Engineering	0	2	1.00	0.50	
MATH240 Introduction to Differential Equations	3	0	3.00	3.00	NSEA245 Deck Operations				1.00	MATH305 Calculus 3	3	0	3.00	3.00	
PHYS230 Physics 3	3	2	4.50	3.00						CHEM210 Selected Topics in Chemistry for Engineers	2	1	2.00	2.00	
COMP105 Computer Programming	0	2	2.00	1.00						BUSN210 Principles of Economics	3	0	3.00	3.00	
WRIT110 Technical & Professional Communication	2	0	2.00	2.00						HIST200 Regional Studies	3	0	3.00	3.00	
NASC200 Strategic Sealift	2	0	2.00	2.00											
WTRF100 Safety of Life at Sea	1	2	3.00	2.00											
	19	9	25.50	22.00		0	0	0.00	6.00		15	5	17.00	16.00	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
ECDL400 Basic Tanker Operations-Dangerous Goods	2	0	2.00	2.00	ESEA310 Maintenance Management				1.00	ESEA350 Marine Propulsion 3 at Sea				2.50	
ECEE300 Electric Machines	3	2	4.00	3.50	ESEA320 Naval Arch at Sea				1.00	NSEA340 Maritime Business				1.00	
ECES300 Strength of Materials	3	0	3.00	3.00	ESEA330 Marine Propulsion 2 at Sea				2.50	HSEA300 Humanities Sea Practical				1.00	
ECES310 Heat Transfer	3	2	4.00	3.50	ESEA335 Refrigeration at Sea				1.00	INSP100 Internship				1.00	
MATH350 Introduction to Partial Differential Equations	3	0	3.00	3.00	ESEA340 Shipboard Systems 2 at Sea				2.00						
HIST300 Seminar in U.S. History since 1945	2	0	2.00	2.00	ESEA345 Electrical Engineering at Sea				1.00						
LITR201 Literature	3	0	3.00	3.00											
	19	4	21.00	20.00		0	0	0.00	8.50		0	0	0.00	5.50	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
ECM401 Marine Engineering Management	1	2	3.00	2.00	ECME400 Marine Steam Plants and Components	3	3	4.50	3.50	ECEE400 Electronics	2	1	3.00	2.50	
ECME440 Engine Room Resource Management	0	4	4.00	1.00	ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	ECME460 Marine Engineering License Series	1	2	3.00	0.50	
ECME450 Gas Turbines and marine Auxiliaries	3	3	4.50	3.50	ECME420 Internal Combustion Engines	3	3	4.50	3.50	ESME420 Capstone 3	1	1	1.5	1.50	
ECME470 Marine Plant Automation and Control	2	3	3.50	2.50	ECME431 Marine Refrigeration	2	3	3.50	2.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50	
ECNA401 Naval Architecture for Marine Engineers	3	0	2.50	2.50	ECES402 Machine Elements	2	1	2.00	2.50	HIST400 Seminar in National Security Policy	2	0	2.00	2.00	
EREM300 Engineering Economics	3	0	3.00	3.00	ESME410 Capstone 2	1	1	2.50	2.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
ESME400 Capstone 1	1	1	2.00	2.00	NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	EEXX XXX Engineering Elective	3	0	3.00	3.00	
					PE&A200 Medical Care Provider	0	2	1	1.00						
	13	13	22.50	16.50		13	16	21.50	17.50		12	5	16.50	13.00	
											Total In-Resident Credits				157.50
											Total Credits				177.50

Office of the Registrar
United States Merchant Marine Academy

Class of 2027 B & Beyond**Major: Marine Engineering Systems B**

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	ECME105 Introduction to Marine Engine	3	2	4.00	3.50	ECEE100 Introduction to Electrical Engine	3	2	4.00	3.50	
ECME101 Introduction to Marine Engineeri	3	3	4.50	3.50	ECMT111 Engineering Shop I	0	3	3.00	1.00	ECMT100 Engineering Graphics	3	3	6.00	1.00	
HIST100 History of Sea Power	3	0	3.00	3.00	BUSN101 Principles of Leadership	1	0	1.00	1.00	ECMT112 Engineering Shop II	0	3	3.00	1.00	
MATH101 Calculus 1	3	0	3.00	3.00	MATH140 Calculus 2 Engine	2	0	3.00	3.00	ECES100 Statics	3	0	3.00	3.00	
PHYS110 Physics 1	3	2	4.50	3.00	CHEM100 General Chemistry	3	2	5.00	4.00	NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	
PE&A110 Basic Swimming	0	2	2.00	1.00	LITR101 Composition & Literature	3	0	3.00	3.00	MATH215 Probability & Statistics Enginee	3	0	3.00	3.00	
NASC100 Introduction to Naval Science	2	0	2.00	2.00	PE&A120 First Aid	0	2	1.00	0.50	PHYS120 Physics 2	3	2	4.50	3.00	
CMDT100 Social Responsibility				0.00	PE&A125 Self Defense Tactics	0	2	1.00	0.50	WTRF100 Safety of Life at Sea	1	2	3.00	2.00	
					MLOG120 VPDS	0	1	1.00	0.00	PE&A130 Aquatic Survival	0	2	2.00	1.00	
	16	9	23.00	18.50		12	12	22.00	16.50		18	14	30.50	19.50	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
ESEA210 Machine Shop at Sea				1.00	ECES201 Thermodynamics	3	0	3.00	3.00	ECEE200 Electric Circuits	2	2	3.00	2.50	
ESEA230 Marine Propulsion 1 at Sea				2.00	ECES211 Dynamics	2	1	2.00	2.50	ECES220 Introduction to Materials Engine	2	0	2.00	2.00	
ESEA240 Shipboard Systems 1 at Sea				2.00	ECDL400 Basic Tanker Operations-Dang	2	0	2.00	2.00	ECES221 Introduction to Materials Engine	0	2	1.00	0.50	
NSEA245 Deck Operations				1.00	MATH240 Introduction to Differential Equ	3	0	3.00	3.00	ECES230 Fluid Mechanics	3	2	4.00	3.50	
					COMP105 Computer Programming	0	2	2.00	1.00	PHYS230 Physics 3	3	2	4.50	3.00	
					HIST200 Regional Studies	3	0	3.00	3.00	MATH305 Calculus 3	3	0	3.00	3.00	
					WRIT110 Technical & Professional Com	2	0	2	2.00	BUSN210 Principles of Economics	3	0	3.00	3.00	
	0	0	0.00	6.00		15	3	17.00	16.50	NASC200 Strategic Sealift	2	0	2.00	2.00	
											18	8	22.50	19.50	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
ESEA310 Maintenance Management				1.00	ESEA350 Marine Propulsion 3 at Sea				2.50	ECEE300 Electric Machines	3	2	4.00	3.50	
ESEA320 Naval Arch at Sea				1.00	NSEA340 Maritime Business				1.00	ECES300 Strength of Materials	3	2	4.00	3.50	
ESEA330 Marine Propulson 2 at Sea				2.50	HSEA300 Humanities Sea Practical				1.00	ECES310 Heat Transfer	3	0	3.00	3.00	
ESEA335 Refrigeration at Sea				1.00	INSP100 Internship				1.00	MATH350 Introduction to Partial Different	3	0	3.00	3.00	
ESEA340 Shipboard Systems 2 at Sea				2.00						CHEM210 Selected Topics in Chemistry f	2	1	2.00	2.00	
ESEA345 Electrical Engineering at Sea				1.00						HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00	
	0	0	0.00	8.50		0	0	0.00	5.50	LITR201 Literature	3	0	3.00	3.00	
											19	5	21.00	20.00	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
ECME400 Marine Steam Plants and Comp	3	3	4.50	3.50	ECME401 Marine Engineering Managem	1	2	3.00	2.00	ECEE400 Electronics	2	1	3.00	2.50	
ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	ECME440 Engine Room Resource Mana	0	4	4.00	1.00	ECME460 Marine Engineering License S	1	2	3.00	0.50	
ECME420 Internal Combustion Engines	3	3	4.50	3.50	ECME450 Gas Turbines and marine Auxi	3	3	4.50	3.50	ESME420 Capstone 3	1	1	1.50	1.50	
ECME431 Marine Refrigeration	2	3	3.50	2.50	ECME470 Marine Plant Automation and C	2	3	3.50	2.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50	
ECES402 Machine Elements	2	1	2.00	2.50	ECNA401 Naval Architecture for Marine E	3	0	2.50	2.50	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
EREM300 Engineering Economics	3	0	3.00	3.00	ESME410 Capstone 2	1	1	2.00	2.00	PE&A200 Medical Care Provider	1	1	2.00	1.00	
ESME400 Capstone 1	1	1	2.00	2.00	NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	EEXX XXX Engineering Elective	3	0	3.00	3.00	
					HIST400 Seminar in National Security Po	2	0	2.00	2.00						
	14	14	21.00	17.50		14	13	23.50	17.50		11	6	16.50	12.00	
											Total In-Resident Credits				157.50
											Total Credits				177.50

Class of 2027 C & Beyond

Major: Marine Engineering Systems C

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	ECEE100 Introduction to Electrical Enginee	3	2	4.00	3.50	ECES100 Statics	3	0	3.00	3.00
ECME101 Introduction to Marine Engineeri	3	3	4.50	3.50	ECMT100 Engineering Graphics	0	2	2.00	1.00	ECME105 Introduction to Marine Enginee	4	0	3.00	3.50
MATH101 Calculus 1	3	0	3.00	3.00	ECMT111 Engineering Shop I	0	3	3.00	1.00	ECMT112 Engineering Shop II	1	0	3.00	1.00
PHYS110 Physics 1	3	2	4.50	3.00	MATH140 Calculus 2 Engine	2	0	3.00	3.00	NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00
HIST100 History of Sea Power	3	0	3.00	3.00	CHEM100 General Chemistry	3	2	5.00	4.00	BUSN101 Principles of Leadership	1	0	1.00	1.00
NASC100 Introduction to Naval Science	2	0	2.00	2.00	LITR101 Composition & Literature	3	0	3.00	3.00	MATH215 Probability & Statistics Enginee	3	0	3.00	3.00
PE&A110 Basic Swimming	0	2	2.00	1.00	PE&A120 First Aid	0	2	1.00	0.50	PHYS120 Physics 2	3	2	4.50	3.00
CMDT100 Social Responsibility				0.00	PE&A125 Self Defense Tactics	0	2	1.00	0.50	PE&A130 Aquatic Survival	0	2	2.00	1.00
					MLOG120 VPDS	0	1	1.00	0.00					
	16	9	23.00	18.50		11	14	23.00	16.50		16	4	21.50	17.50
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR
ECES201 Thermodynamics	3	0	3.00	3.00	ECEE200 Electric Circuits	2	2	3.00	2.50	ESEA210 Machine Shop at Sea				1.00
ECES211 Dynamics	2	1	2.00	2.50	ECES220 Introduction to Materials Enginee	2	0	2.00	2.00	ESEA230 Marine Propulsion 1 at Sea				2.00
MATH240 Introduction to Differential Equal	3	0	3.00	3.00	ECES221 Introduction to Materials Enginee	0	2	1.00	0.50	ESEA240 Shipboard Systems 1 at Sea				2.00
PHYS230 Physics 3	3	2	4.50	3.00	ECES230 Fluid Mechanics	3	2	4.00	3.50	NSEA245 Deck Operations				1.00
COMP105 Computer Programming	0	2	2.00	1.00	MATH305 Calculus 3	3	0	3.00	3.00					
WRIT110 Technical & Professional Comr	2	0	2.00	2.00	CHEM210 Selected Topics in Chemistry fo	2	1	2.00	2.00					
NASC200 Strategic Sealift	2	0	2.00	2.00	HIST200 Regional Studies	3	0	3.00	3.00					
WTRF100 Safety of Life at Sea	1	2	3.00	2.00										
	16	7	21.50	18.50		15	7	18.00	16.50		0	0	0.00	6.00
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR
ECEE300 Electric Machines	3	2	4.00	3.50	ECDL400 Basic Tanker Operations-Dange	2	0	2.00	2.00	ESEA310 Maintenance Management				1.00
ECES300 Strength of Materials	3	2	4.00	3.50	ECME400 Marine Steam Plants and Comp	3	3	4.50	3.50	ESEA320 Naval Arch at Sea				1.00
ECES310 Heat Transfer	3	0	3.00	3.00	ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	ESEA330 Marine Propulson 2 at Sea				2.50
EREM300 Engineering Economics	3	0	3.00	3.00	ECME420 Internal Combustion Engines	3	3	4.50	3.50	ESEA335 Refrigeration at Sea				1.00
ESME400 Capstone 1	1	1	2.00	2.00	ECME431 Marine Refrigeration	2	3	3.50	2.50	ESEA340 Shipboard Systems 2 at Sea				2.00
LITR201 Literature	3	0	3.00	3.00	ECES402 Machine Elements	2	1	2.00	2.50	ESEA345 Electrical Engineering at Sea				1.00
					HIST300 Seminar in U.S. History since 194	2	0	2.00	2.00					
					MATH350 Introduction to Partial Differentia	3	0	3.00	3.00					
	16	5	19.00	18.00		17	13	23.00	19.50		0	0	0.00	8.50
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR
ESEA350 Marine Propulsion 3 at Sea				2.50	ECEN401 Marine Engineering Managemen	1	2	3.00	2.00	ECEE400 Electronics	2	1	3.00	2.50
NSEA340 Maritime Business				1.00	ECME440 Engine Room Resource Manag	0	4	4.00	1.00	ESME420 Capstone 3	1	1	1.50	1.50
HSEA300 Humanities Sea Practical				1.00	ECME450 Gas Turbines and marine Auxili	3	3	4.50	3.50	ECME460 Marine Engineering License St	1	2	3.00	0.50
INSP100 Internship				1.00	ECME470 Marine Plant Automation and Cr	2	3	3.50	2.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50
					ECNA401 Naval Architecture for Marine Er	3	0	2.50	2.50	BUSN 210 Principles of Economics	3	0	3.00	3.00
					ESME410 Capstone 2	1	1	2.00	2.00	HIST400 Seminar in National Security Po	2	0	2.00	2.00
					NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00
					PE&A200 Medical Care Provider	1	1	2	1.00	EEXX XXX Engineering Elective	3	0	3.00	3.00
	0	0	0.00	5.50		13	14	23.50	16.50		15	5	19.50	16.00
Total In-Resident Credits													157.50	
Total Credits													177.50	

Office of the Registrar
United States Merchant Marine Academy

Class of 2027 A & Beyond

Major: Marine Engineering Shipyard Management A

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	ECEE100 Introduction to Electrical Engineering	3	2	4.00	3.50	ECES100 Statics	3	0	3.00	3.00	
ECME101 Introduction to Marine Engineering	3	3	4.50	3.50	ECMT100 Engineering Graphics	0	2	2.00	1.00	ECME105 Introduction to Marine Engineering	3	2	3.00	3.50	
MATH101 Calculus 1	3	0	3.00	3.00	ECMT111 Engineering Shop I	0	3	3.00	1.00	ECMT112 Engineering Shop II	1	0	3.00	1.00	
PHYS110 Physics 1	3	2	4.50	3.00	MATH140 Calculus 2 Engine	3	0	3.00	3.00	NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	
HIST100 History of Sea Power	3	0	3.00	3.00	PHYS120 Physics 2	3	2	4.50	3.00	MATH215 Probability & Statistics Engineering	3	0	3.00	3.00	
NASC100 Introduction to Naval Science	2	0	2.00	2.00	LITR101 Composition & Literature	3	0	3.00	3.00	CHEM100 General Chemistry	3	2	5.00	4.00	
PE&A110 Basic Swimming	0	2	2.00	1.00	PE&A120 First Aid	0	2	1.00	0.50	BUSN101 Principles of Leadership	1	0	1.00	1.00	
CMDT100 Social Responsibility				0.00	PE&A125 Self Defense Tactics	0	2	1.00	0.50	PE&A130 Aquatic Survival	0	2	2.00	1.00	
	16	9	23.00	18.50		12	13	21.50	15.50	MLOG120 VPDS	0	1	1.00	0.00	
											16	7	23.00	18.50	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
ECES201 Thermodynamics	3	0	3.00	3.00	ESEA210 Machine Shop at Sea				1.00	ECEE200 Electric Circuits	2	2	3.00	2.50	
ECES211 Dynamics	2	1	2.00	2.50	ESEA230 Marine Propulsion 1 at Sea				2.00	ECES220 Introduction to Materials Engineering	2	0	2.00	2.00	
MATH240 Introduction to Differential Equations	3	0	3.00	3.00	ESEA240 Shipboard Systems 1 at Sea				2.00	ECES221 Introduction to Materials Engineering	0	2	1.00	0.50	
MATH305 Calculus 3	3	0	3.00	3.00	NSEA245 Deck Operations				1.00	ECES230 Fluid Mechanics	3	2	4.00	3.50	
HIST200 Regional Studies	3	0	3.00	3.00						MATH310 Operations Research 1	3	0	3.00	3.00	
NASC200 Strategic Sealift	2	0	2.00	2.00						CHEM210 Selected Topics in Chemistry for Engineers	2	1	2.00	2.00	
WTRF100 Safety of Life at Sea	1	2	3.00	2.00						COMP105 Computer Programming	0	2	2.00	1.00	
	17	3	19.00	18.50		0	0	0.00	6.00	LITR201 Literature	3	0	3.00	3.00	
											15	9	20.00	17.50	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
ECDL400 Basic Tanker Operations-Dangerous	2	0	2.00	2.00	ESEA310 Maintenance Management				1.00	ESEA350 Marine Propulsion 3 at Sea				2.50	
ECES300 Electric Machines	3	2	4.00	3.50	ESEA320 Naval Arch at Sea				1.00	NSEA340 Maritime Business				1.00	
ECES300 Strength of Materials	3	0	3.00	3.00	ESEA330 Marine Propulsion 2 at Sea				2.50	HSEA300 Humanities Sea Practical				1.00	
ECES310 Heat Transfer	3	2	4.00	3.50	ESEA335 Refrigeration at Sea				1.00	INSP100 Internship				1.00	
MATH330 Operations Research 2	3	0	3.00	3.00	ESEA340 Shipboard Systems 2 at Sea				2.00	ESEA400 Shipyard Internship				2.00	
HIST300 Seminar in U.S. History since 1945	2	0	2.00	2.00	ESEA345 Electrical Engineering at Sea				1.00						
WRIT110 Technical & Professional Communication	2	0	2	2.00											
	18	4	20.00	19.00		0	0	0.00	8.50		0	0	0.00	7.50	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
ECEE400 Electronics	2	1	3.00	2.50	ECME400 Marine Steam Plants and Components	3	3	4.50	3.50	ECME460 Marine Engineering License Study	1	2	3.00	0.50	
ECME401 Marine Engineering Management	1	2	3.00	2.00	ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	EMEM425 Engineering Project Management	1	2	2.00	2.00	
ECME440 Engine Room Resource Management	0	4	4.00	1.00	ECME420 Internal Combustion Engines	3	3	4.50	3.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50	
ECME450 Gas Turbines and Marine Auxiliaries	3	3	4.50	3.50	ECME431 Marine Refrigeration	2	3	3.50	2.50	BUSN210 Principles of Economics	3	0	3.00	3.00	
ECME470 Marine Plant Automation and Control	3	3	3.50	2.50	ECES402 Machine Elements	2	1	2.00	2.50	HIST400 Seminar in National Security Policy	2	0	2.00	2.00	
ECNA401 Naval Architecture for Marine Engineers	3	0	2.50	2.50	EMEM415 Engineering Project Management	3	1	3.50	3.50	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
EMEM405 Engineering Project Management	3	1	3.50	3.50	NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	PE&A200 Medical Care Provider	0	2	2.00	1.00	
EREM300 Engineering Economics	3	0	3.00	3.00											
	18	14	27.00	20.50		15	14	21.50	18.00		10	7	16.00	12.00	
											Total In-Resident Credits				158.00
											Total Credits				180.00

Office of the Registrar
United States Merchant Marine Academy

Class of 2027 B & Beyond**Major: Marine Engineering Shipyard Management B**

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	ECME105 Introduction to Marine Engineeri	3	2	4.00	3.50	ECEE100 Introduction to Electrical Engine	3	2	4.00	3.50	
ECME101 Introduction to Marine Engineeri	3	3	4.50	3.50	ECMT111 Engineering Shop I	0	3	3.00	1.00	ECES100 Statics	3	0	3.00	3.00	
MATH101 Calculus 1	3	0	3.00	3.00	BUSN101 Principles of Leadership	1	0	1.00	1.00	ECMT100 Engineering Graphics	0	2	2.00	1.00	
PHYS110 Physics 1	3	2	4.50	3.00	MATH140 Calculus 2 Engine	2	0	3.00	3.00	ECMT112 Engineering Shop II	0	3	3.00	1.00	
HIST100 History of Sea Power	3	0	3.00	3.00	CHEM100 General Chemistry	3	2	5.00	4.00	NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	
NASC100 Introduction to Naval Science	2	0	2.00	2.00	LITR101 Composition & Literature	3	0	3.00	3.00	MATH215 Probability & Statistics Enginee	3	0	3.00	3.00	
PE&A110 Basic Swimming	0	2	2.00	1.00	PE&A120 First Aid	0	2	1.00	0.50	PHYS120 Physics 2	3	2	4.50	3.00	
CMDT100 Social Responsibility				0.00	PE&A125 Self Defense Tactics	0	2	1.00	0.50	PE&A130 Aquatic Survival	0	2	2.00	1.00	
					MLOG120 VPDS	0	1	1.00	0.00	WTRF100 Safety of Life at Sea	1	2	3.00	2.00	
	16	9	23.00	18.50		12	12	22.00	16.50		15	13	26.50	19.50	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
ESEA210 Machine Shop at Sea				1.00	ECDL400 Basic Tanker Operations-Dange	2	0	2.00	2.00	ECEE200 Electric Circuits	2	2	3.00	2.50	
ESEA230 Marine Propulsion 1 at Sea				2.00	ECES201 Thermodynamics	3	0	3.00	3.00	ECES220 Introduction to Materials Engine	2	0	2.00	2.00	
ESEA240 Shipboard Systems 1 at Sea				2.00	ECES211 Dynamics	2	1	2.00	2.50	ECES221 Introduction to Materials Engine	0	2	1.00	0.50	
NSEA245 Deck Operations				1.00	MATH240 Introduction to Differential Equal	3	0	3.00	3.00	ECES230 Fluid Mechanics	3	2	4.00	3.50	
					MATH305 Calculus 3	3	0	3.00	3.00	MATH310 Operations Research 1	3	0	3.00	3.00	
					COMP105 Computer Programming	0	2	2.00	1.00	CHEM210 Selected Topics in Chemistry f	2	1	2.00	2.00	
					HIST200 Regional Studies	3	0	3.00	3.00	LITR201 Literature	3	0	3.00	3.00	
					WRIT110 Technical & Professional Comrr	2	0	2	2.00	NASC200 Strategic Sealift	2	0	2.00	2.00	
	0	0	0.00	6.00		18	3	20.00	19.50		17	7	20.00	18.50	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
ESEA310 Maintenance Management				1.00	ESEA350 Marine Propulsion 3 at Sea				2.50	ECEE300 Electric Machines	3	2	4.00	3.50	
ESEA320 Naval Arch at Sea				1.00	NSEA340 Maritime Business				1.00	ECES300 Strength of Materials	3	2	4.00	3.50	
ESEA330 Marine Propulson 2 at Sea				2.50	HSEA300 Humanities Sea Practical				1.00	ECES310 Heat Transfer	3	0	3.00	3.00	
ESEA335 Refrigeration at Sea				1.00	INSP100 Internship				1.00	EREM300 Engineering Economics	3	0	3.00	3.00	
ESEA340 Shipboard Systems 2 at Sea				2.00	ESEA400 Shipyard Internship				2.00	MATH330 Operations Research 2	3	0	3.00	3.00	
ESEA345 Electrical Engineering at Sea				1.00						HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00	
	0	0	0.00	8.50		0	0	0.00	7.50		17	4	19.00	18.00	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
ECEE400 Electronics	2	1	3.00	2.50	ECME401 Marine Engineering Managemen	1	2	3.00	2.00	ECME460 Marine Engineering License St	1	2	3.00	0.50	
ECME400 Marine Steam Plants and Comp	3	3	4.50	3.50	ECME440 Engine Room Resource Manag	0	4	4.00	1.00	EMEM425 Engineering Project Managme	1	2	2.00	2.00	
ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	ECME450 Gas Turbines and marine Auxili	3	3	4.50	3.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50	
ECME420 Internal Combustion Engines	3	3	4.50	3.50	ECME470 Marine Plant Automation and Ct	2	3	3.50	2.50	BUSN210 Principle of Economics	3	0	3.00	3.00	
ECME431 Marine Refrigeration	2	3	3.50	2.50	ECNA401 Naval Architecture for Marine Er	3	0	2.50	2.50	HIST400 Seminar in National Security Po	2	0	2.00	2.00	
ECES402 Machine Elements	2	1	2.00	2.50	EMEM415 Engineering Project Managmen	3	1	3.50	3.50	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
EMEM405 Engineering Project Managmen	3	1	3.50	3.50	NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	PE&A200 Medical Care Provider	0	2	2.00	1.00	
	15	15	22.50	18.50		14	13	23.00	17.00		10	7	16.00	12.00	
											Total In-Resident Credits				158.00
											Total Credits				180.00

Office of the Registrar
United States Merchant Marine Academy

Class of 2027 C & Beyond**Major: Marine Engineering Shipyard Management C**

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT101 Introduction to Nautical Science	2	2	4.00	3.00	ECEE100 Introduction to Electrical Engineering	3	2	4.00	3.50	ECES100 Statics	3	0	3.00	3.00	
ECME101 Introduction to Marine Engineering	3	3	4.50	3.50	ECMT100 Engineering Graphics	0	2	2.00	1.00	ECME105 Introduction to Marine Engineering	4	0	3.00	3.50	
MATH101 Calculus 1	3	0	3.00	3.00	ECMT111 Engineering Shop I	0	3	3.00	1.00	ECMT112 Engineering Shop II	1	0	3.00	1.00	
PHYS110 Physics 1	3	2	4.50	3.00	MATH140 Calculus 2 Engine	2	0	3.00	3.00	NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00	
HIST100 History of Sea Power	3	0	3.00	3.00	CHEM100 General Chemistry	3	2	5.00	4.00	BUSN101 Principles of Leadership	1	0	1.00	1.00	
PE&A110 Basic Swimming	0	2	2.00	1.00	LITR101 Composition & Literature	3	0	3.00	3.00	MATH215 Probability & Statistics Engineering	3	0	3.00	3.00	
NASC100 Introduction to Naval Science	2	0	2.00	2.00	PE&A120 First Aid	0	2	1.00	0.50	PHYS120 Physics 2	3	2	4.50	3.00	
CMDT100 Social Responsibility				0.00	PE&A125 Self Defense Tactics	0	2	1.00	0.50	PE&A130 Aquatic Survival	0	2	2.00	1.00	
					MLOG120 VPDS	0	1	1.00	0.00						
	16	9	23.00	18.50		11	14	23.00	16.50		16	4	21.50	17.50	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
ECES201 Thermodynamics	3	0	3.00	3.00	ECEE200 Electric Circuits	2	2	3.00	2.50	ESEA210 Machine Shop at Sea				1.00	
ECES211 Dynamics	2	1	2.00	2.50	ECES220 Introduction to Materials Engineering	2	0	2.00	2.00	ESEA230 Marine Propulsion 1 at Sea				2.00	
MATH240 Introduction to Differential Equations	3	0	3.00	3.00	ECES221 Introduction to Materials Engineering	0	2	1.00	0.50	ESEA240 Shipboard Systems 1 at Sea				2.00	
MATH305 Calculus 3	3	0	3.00	3.00	ECES230 Fluid Mechanics	3	2	4.00	3.50	NSEA245 Deck Operations				1.00	
COMP105 Computer Programming	0	2	2.00	1.00	MATH310 Operations Research 1	3	0	3.00	3.00						
HIST200 Regional Studies	3	0	3.00	3.00	CHEM210 Selected Topics in Chemistry for Engineers	2	1	2.00	2.00						
WRIT110 Technical & Professional Communication	2	0	2	2.00	LITR201 Literature	3	0	3.00	3.00						
WTRF100 Safety of Life at Sea	1	2	3.00	2.00	NASC200 Strategic Sealift	2	0	2.00	2.00						
	17	5	21.00	19.50		17	7	20.00	18.50		0	0	0.00	6.00	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
ECEE300 Electric Machines	3	2	4.00	3.50	ECDL400 Basic Tanker Operations-Dangerous Goods	2	0	2.00	2.00	ESEA310 Maintenance Management				1.00	
ECES300 Strength of Materials	3	2	4.00	3.50	ECEE400 Electronics	2	1	3.00	2.50	ESEA320 Naval Arch at Sea				1.00	
ECES310 Heat Transfer	3	0	3.00	3.00	ECEM401 Marine Engineering Management	1	2	3.00	2.00	ESEA330 Marine Propulsion 2 at Sea				2.50	
EMEM 405 Engineering Project Management	3	1	3.50	3.50	ECME400 Marine Steam Plants and Components	3	3	4.50	3.50	ESEA335 Refrigeration at Sea				1.00	
MATH330 Operations Research 2	3	0	3.00	3.00	ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	ESEA340 Shipboard Systems 2 at Sea				2.00	
					ECME450 Gas Turbines and Marine Auxiliaries	3	3	4.50	3.50	ESEA345 Electrical Engineering at Sea				1.00	
					EREM300 Engineering Economics	3	0	3.00	3.00						
					HIST300 Seminar in U.S. History since 1945	2	0	2.00	2.00						
	15	5	17.50	16.50		16	12	23.50	19.00		0	0	0.00	8.50	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
ESEA350 Marine Propulsion 3 at Sea				2.50	ECES402 Machine Elements	2	1	2.00	2.50	ECME460 Marine Engineering License Study	1	2	3.00	0.50	
NSEA340 Maritime Business				1.00	ECME420 Internal Combustion Engines	3	3	4.50	3.50	EMEM425 Engineering Project Management	1	2	2.00	2.00	
HSEA300 Humanities Sea Practical				1.00	ECME431 Marine Refrigeration	2	3	3.50	2.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50	
INSP100 Internship				1.00	ECME440 Engine Room Resource Management	0	4	4.00	1.00	BUSN210 Principles of Economics	3	0	3.00	3.00	
ESEA400 Shipyard Internship				2.00	ECME470 Marine Plant Automation and Control	2	3	3.50	2.50	HIST400 Seminar in National Security Policy	2	0	2.00	2.00	
					ECNA401 Naval Architecture for Marine Engineers	3	0	2.50	2.50	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
					EMEM415 Engineering Project Management	3	1	3.50	3.50	PE&A200 Medical Care Provider	0	2	2.00	1.00	
					NASC400 Naval Leadership & Ethics	2	0	2.00	2.00						
	0	0	0.00	7.50		17	15	25.50	20.00		10	7	16.00	12.00	
											Total In-Resident Credits				158.00
											Total Credits				180.00