

Class of 2023 A & Beyond

Major: Marine Transportation

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT 101 LEC Introduction to Nautical Science	2	2	4.00	3.00	NAUT 120 LEC Terrestrial Navigation 1	2	2	4.00	3.00	NAUT 125 LEC Terrestrial Navigation 2	3	0	3.00	3.00	
ECME 101 LEC Introduction to Marine Engineering I	3	3	4.50	3.50	NAUT 130 LEC Introduction to Navigation Law	1	0	1.00	1.00	NAUT 160 LEC Ship Constructions and Stability	3	0	3.00	3.00	
NAUT 110 LEC Basic Firefighting and Safety	2	0	2.00	2.00	BUSN 210 Principles of Economics	3	0	3.00	3.00	BUSN 110 LEC The Business of Transportation	3	0	3.00	3.00	
HIST 100 LEC History of Sea Power	3	0	3.00	3.00	LITR 101 LEC Composition & Literature	3	0	3.00	3.00	MATH 210 LEC Probability & Statistics	3	0	3.00	3.00	
MATH 101 LEC Calculus I	3	0	3.00	3.00	MATH 120 LEC Calculus II	3	0	3.00	3.00	PHYS 120 LEC Physics 2	3	2	4.50	3.00	
PHYS 110 LEC Physics 1	3	2	4.50	3.00	NASC 100 LEC Introduction to Naval Science	2	0	2.00	2.00	PE&A 130 LAB Aquatic Survival	0	2	2.00	1.00	
PE&A 120 LAB First Aid	0	2	1.00	0.50	PE&A 110 LAB Basic Swimming	0	2	2.00	1.00	MLOG 120 VPDSO	0	1	1.00	0.00	
PE&A 125 LAB Self Defense Tactics	0	2	1.00	0.50	BUSN101 Principles of Leadership	1	0	1.00	1.00						
CMDT100 Social Responsibility				0.00											
	16	11	23.00	18.50		15	4	19.00	17.00		15	5	19.50	16.00	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
NAUT 140 LEC Maritime Communications	3	2	5.00	4.00	NPRJ 210 PRJ Cargo Operations 1				1.00	NAUT 215 LEC Integrated Navigation 2	3	2	5.00	4.00	
NAUT 210 LEC Integrated Navigation 1	3	2	5.00	4.00	NPRJ 215 PRJ Integrated Navigation Systems 1				1.00	NAUT 230 LEC Navigation Law	2	0	2.00	2.00	
NAUT 250 LEC Dry Cargo Operations	3	0	3.00	3.00	NPRJ 220 PRJ Seamanship 1				1.00	BUSN 230 LEC Principles of Management	3	0	3.00	3.00	
BUSN 310 LEC Accounting & Finance	3	0	3.00	3.00	NPRJ 225 PRJ Ship Structure and Stability 1				1.00	CHEM 100 LEC General Chemistry	3	2	5.00	4.00	
WTRF 100 LEC Safety of Life at Sea	1	2	3.00	2.00	NPRJ 230 PRJ Navigation I				1.00	LITR 201 LEC Literature	3	0	3.00	3.00	
					NPRJ 235 PRJ Navigation Law 1				1.00	BUSN201 Maritime Leadership and Managemer	2	0	2.00	2.00	
					EPRJ 245 PRJ Marine Engine for Deck Project				1.00						
	13	6	19.00	16.00		0	0	0.00	7.00		16	4	20.00	18.00	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
NAUT 220 LEC Liquid Cargo Operations	2	2	4.00	3.00	NPRJ 310 PRJ Cargo Operations 2				2.00	NPRJ 335 PRJ Navigation Law 2				2.00	
NAUT 225 LEC Celestial Navigation	3	2	5.00	4.00	NPRJ 315 PRJ Integrated Navigation Systems 2				1.00	NPRJ 340 PRJ Maritime Business				1.00	
NAUT 240 LEC Meteorology	3	0	3.00	3.00	NPRJ 320 PRJ Seamanship 2				1.50	NPRJ 345 PRJ Maritime Communications Sea Project				1.00	
BUSN 300 LEC Fundamentals of Business Law	3	0	3.00	3.00	NPRJ 325 PRJ Ship Structure and Stability 2				1.50	HPRJ 200 PRJ Humanities Sea Project				1.00	
NASC 200 LEC Strategic Sealift	2	0	2.00	2.00	NPRJ 330 PRJ Navigation II				2.00	INSP100 PRJ Internship				1.00	
PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00											
	13	6	19.00	16.00		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	
NAUT 310 LEC Integrated Navigation 3	3	2	5.00	4.00	NAUT 440 LAB Flashing Light and Radar Obse	0	2	2.00	0.00	NAUT 400 LEC License Seminar	0	3	3.00	0.00	
NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50	NAUT 460 LEC Bridge Resource Management	1	2	3.00	2.00	ECME480 LEC Marine Engineering for Deck Off	2	1	3.50	2.50	
NAUT 330 LEC The Maritime Regulatory Environme	2	0	2.00	2.00	BUSN 420 LEC Maritime Economics	3	0	3.00	3.00	BUSN 430 LEC Admiralty and International Law	2	0	2.00	2.00	
BUSN 410 LEC Marketing	2	1	3.00	2.50	NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00	NASC 410 LEC Naval Science Senior Seminar	2	0	2.00	2.00	
HIST 220 LEC Modern World History	3	0	3.00	3.00	Humanities Elective	3	0	3.00	3.00	Elective	3	0	3.00	3.00	
Elective	3	0	3.00	3.00	Elective	3	0	3.00	3.00	Elective	3	0	3.00	3.00	
	14	4	18.00	16.00		12	4	16.00	13.00		12	4	16.50	12.50	
											Total In-Resident Credits				143.00
											Total Credits				164.00

Office of the Registrar
United States Merchant Marine Academy

Class of 2023 B & Beyond

Major: Marine Transportation

Term 1					Term 2					Term 3					
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR		
NAUT 101 LEC Introduction to Nautical Science	2	2	4.00	3.00	NAUT 120 LEC Terrestrial Navigation 1	2	2	4.00	3.00	NAUT 125 LEC Terrestrial Navigation 2	3	0	3.00	3.00	
ECME 101 LEC Introduction to Marine Engineering	3	3	4.50	3.50	NAUT 130 LEC Introduction to Navigation Law	1	0	1.00	1.00	NAUT 210 LEC Integrated Navigation 1	3	2	5.00	4.00	
NAUT 110 LEC Basic Firefighting and Safety	2	0	2.00	2.00	NAUT 140 LEC Maritime Communications	3	2	5.00	4.00	NAUT 250 LEC Dry Cargo Operations	3	0	3.00	3.00	
HIST 100 LEC History of Sea Power	3	0	3.00	3.00	NAUT 160 LEC Ship Constructions and Stability	3	0	3.00	3.00	MATH 120 LEC Calculus II	2	0	3.00	3.00	
MATH 101 LEC Calculus I	3	0	3.00	3.00	PHYS 120 LEC Physics 2	3	2	4.50	3.00	WTRF 100 LEC Safety of Life at Sea	1	2	3.00	2.00	
PHYS 110 LEC Physics 1	3	2	4.50	3.00	LITR 101 LEC Composition & Literature	3	0	3.00	3.00	NASC 100 LEC Introduction to Naval Science	2	0	2.00	2.00	
PE&A 120 LAB First Aid	0	2	1.00	0.50	PE&A 110 LAB Basic Swimming	0	2	2.00	1.00	PE&A 130 LAB Aquatic Survival	0	2	2.00	1.00	
PE&A 125 LAB Self Defense Tactics	0	2	1.00	0.50	MLOG 120 VPDS	0	1	1.00	0.00	BUSN101 Principles of Leadership	1	0	1.00	1.00	
CMDT100 Social Responsibility				0.00											
16 11 23.00 18.50					15 9 23.50 18.00					15 6 22.00 19.00					
Term 4					Term 5					Term 6					
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR		
NPRJ 210 PRJ Cargo Operations 1			1.00		NAUT 215 LEC Integrated Navigation 2	3	2	5.00	4.00	NPRJ 310 PRJ Cargo Operations 2				2.00	
NPRJ 215 PRJ Integrated Navigation Systems 1			1.00		NAUT 220 LEC Liquid Cargo Operations	2	2	4.00	3.00	NPRJ 315 PRJ Integrated Navigation Systems 2				1.00	
NPRJ 220 PRJ Seamanship 1			1.00		NAUT 225 LEC Celestial Navigation	3	2	5.00	4.00	NPRJ 320 PRJ Seamanship 2				1.50	
NPRJ 225 PRJ Ship Structure and Stability 1			1.00		NAUT 240 LEC Meteorology	3	0	3.00	3.00	NPRJ 325 PRJ Ship Structure and Stability 2				1.50	
NPRJ 230 PRJ Navigation I			1.00		BUSN 110 LEC The Business of Transportation	3	0	3.00	3.00	NPRJ 330 PRJ Navigation II				2.00	
NPRJ 235 PRJ Navigation Law 1			1.00		BUSN201 Maritime Leadership and Management	2	0	2.00	2.00						
EPRJ 245 PRJ Marine Engine for Deck Project			1.00												
0 0 0.00 7.00					16 6 22.00 19.00					0 0 0.00 8.00					
Term 7					Term 8					Term 9					
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR		
NPRJ 335 PRJ Navigation Law 2			2.00		NAUT 230 LEC Navigation Law	2	0	2.00	2.00	NAUT 310 LEC Integrated Navigation 3	3	2	5.00	4.00	
NPRJ 340 PRJ Maritime Business			1.00		NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50	NAUT 330 LEC The Maritime Regulatory Environment	2	0	2.00	2.00	
NPRJ 345 PRJ Maritime Communications Sea Project			1.00		BUSN 210 Principles of Economics	3	0	3.00	3.00	BUSN 230 LEC Principles of Management	3	0	3.00	3.00	
HPRJ 200 PRJ Humanities Sea Project			1.00		BUSN 310 LEC Accounting & Finance	3	0	3.00	3.00	BUSN 300 LEC Fundamentals of Business Law	3	0	3.00	3.00	
INSP100 PRJ Internship			1.00		CHEM 100 LEC General Chemistry	3	2	5.00	4.00	LITR 201 LEC Literature	3	0	3.00	3.00	
					NASC 200 LEC Strategic Sealift	2	0	2.00	2.00						
0 0 0.00 6.00					14 3 17.00 15.50					14 2 16.00 15.00					
Term 10					Term 11					Term 12					
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR		
NAUT 440 LAB Flashing Light and Radar Observation	0	2	2.00	0.00	BUSN 420 LEC Maritime Economics	3	0	3.00	3.00	NAUT 400 LEC License Seminar	0	3	3.00	0.00	
NAUT 460 LEC Bridge Resource Management	1	2	3.00	2.00	BUSN 410 LEC Marketing	2	1	3.00	2.50	BUSN 430 LEC Admiralty and International Law	2	0	2.00	2.00	
MATH 210 LEC Probability & Statistics	3	0	3.00	3.00	PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00	ECME480 LEC Marine Engineering for Deck Officers	2	1	3.50	2.50	
HIST 220 LEC Modern World History	3	0	3.00	3.00	Humanities Elective	3	0	3.00	3.00	NASC 410 LEC Naval Science Senior Seminar	2	0	2.00	2.00	
NASC 400 LEC Naval Leadership & 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						Elective	3	0	3.00	3.00	
12 4 16.00 13.00					11 3 14.00 12.50					12 4 16.50 12.50					
												Total In-Resident Credits		143.00	
												Total Credits		164.00	

Office of the Registrar
United States Merchant Marine Academy

Class of 2023 A & Beyond

Major: Maritime Logistics & Security

Term 1	C	L	Chr	CR	Term 2	C	L	Chr	CR	Term 3	C	L	Chr	CR	
NAUT 101 LEC Introduction to Nautical Science	2	2	4.00	3.00	NAUT 120 LEC Terrestrial Navigation 1	2	2	4.00	3.00	NAUT 125 LEC Terrestrial Navigation 2	3	0	3.00	3.00	
ECME 101 LEC Introduction to Marine Engineering I	3	3	4.50	3.50	NAUT 130 LEC Introduction to Navigation Law	1	0	1.00	1.00	NAUT 160 LEC Ship Constructions and Stability	3	0	3.00	3.00	
NAUT 110 LEC Basic Firefighting and Safety	2	0	2.00	2.00	BUSN 210 Principles of Economics	3	0	3.00	3.00	BUSN 110 LEC The Business of Transportation	3	0	3.00	3.00	
HIST 100 LEC History of Sea Power	3	0	3.00	3.00	LITR 101 LEC Composition & Literature	3	0	3.00	3.00	MATH 210 LEC Probability & Statistics	3	0	3.00	3.00	
MATH 101 LEC Calculus I	3	0	3.00	3.00	MATH 120 LEC Calculus II	3	0	3.00	3.00	PHYS 120 LEC Physics 2	3	2	4.50	3.00	
PHYS 110 LEC Physics 1	3	2	4.50	3.00	NASC 100 LEC Introduction to Naval Science	2	0	2.00	2.00	PE&A 130 LAB Aquatic Survival	0	2	2.00	1.00	
PE&A 120 LAB First Aid	0	2	1.00	0.50	PE&A 110 LAB Basic Swimming	0	2	2.00	1.00	MLOG 120 VPDS	0	1	1.00	0.00	
PE&A 125 LAB Self Defense Tactics	0	2	1.00	0.50	BUSN101 Principles of Leadership	1	0	1.00	1.00						
CMDT100 Social Responsibility				0.00											
	16	11	23.00	18.50		15	4	19.00	17.00		15	5	19.50	16.00	
Term 4	C	L	Chr	CR	Term 5	C	L	Chr	CR	Term 6	C	L	Chr	CR	
NAUT 140 LEC Maritime Communications	3	2	5.00	4.00	NPRJ 210 PRJ Cargo Operations 1				1.00	NAUT 215 LEC Integrated Navigation 2	3	2	5.00	4.00	
NAUT 210 LEC Integrated Navigation 1	3	2	5.00	4.00	NPRJ 215 PRJ Integrated Navigation Systems 1				1.00	NAUT 230 LEC Navigation Law	2	0	2.00	2.00	
NAUT 250 LEC Dry Cargo Operations	3	0	3.00	3.00	NPRJ 220 PRJ Seamanship 1				1.00	CHEM 100 LEC General Chemistry	3	2	5.00	4.00	
BUSN 310 LEC Accounting & Finance	3	0	3.00	3.00	NPRJ 225 PRJ Ship Structure and Stability 1				1.00	LITR 201 LEC Literature	3	0	3.00	3.00	
MLOG 200 LEC Integrated Logistics Management	3	0	3.00	3.00	NPRJ 230 PRJ Navigation I				1.00	NASC 200 LEC Strategic Sealift	2	0	2.00	2.00	
WTRF 100 LEC Safety of Life at Sea	1	2	3.00	2.00	NPRJ 235 PRJ Navigation Law 1				1.00	BUSN201 Maritime Leadership and Managemer	2	0	2.00	2.00	
					EPRJ 245 PRJ Marine Engine for Deck Project				1.00						
	16	6	22.00	19.00		0	0	0.00	7.00		15	4	19.00	17.00	
Term 7	C	L	Chr	CR	Term 8	C	L	Chr	CR	Term 9	C	L	Chr	CR	
NAUT 220 LEC Liquid Cargo Operations	2	2	4.00	3.00	NPRJ 310 PRJ Cargo Operations 2				2.00	NPRJ 335 PRJ Navigation Law 2				2.00	
NAUT 225 LEC Celestial Navigation	3	2	5.00	4.00	NPRJ 315 PRJ Integrated Navigation Systems 2				1.00	NPRJ 340 PRJ Maritime Business				1.00	
NAUT 240 LEC Meteorology	3	0	3.00	3.00	NPRJ 320 PRJ Seamanship 2				1.50	NPRJ 345 PRJ Maritime Communications				1.00	
BUSN 230 LEC Principles of Management	3	0	3.00	3.00	NPRJ 325 PRJ Ship Structure and Stability 2				1.50	HPRJ 200 PRJ Humanities Sea Project				1.00	
MLOG310 LEC Vessel Security Officer/Company Se	3	0	3.00	3.00	NPRJ 330 PRJ Navigation II				2.00	INSP100 PRJ Internship				1.00	
PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00											
	14	6	20.00	17.00		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	
NAUT 310 LEC Integrated Navigation 3	3	2	5.00	4.00	NAUT 440 LAB Flashing Light and Radar Obse	0	2	2.00	0.00	NAUT 400 LEC License Seminar	0	3	3.00	0.00	
NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50	NAUT 460 LEC Bridge Resource Management	1	2	3.00	2.00	ECME480 LEC Marine Engineering for Deck Off	2	1	3.50	2.50	
NAUT 330 LEC The Maritime Regulatory Environme	2	0	2.00	2.00	BUSN 420 LEC Maritime Economics	3	0	3.00	3.00	BUSN 410 LEC Marketing	2	1	3.00	2.50	
BUSN 300 LEC Fundamentals of Business Law	3	0	3.00	3.00	BUSN 430 LEC Admiralty and International Law	2	0	2.00	2.00	MLOG 450 LEC Capstone Project Seminar	3	0	3.00	3.00	
MLOG 400 LEC Port and Terminal Operations	3	0	3.00	3.00	MLOG 425 LEC Maritime Security Research Se	3	0	3.00	3.00	NASC 410 LEC Naval Science Senior Seminar	2	0	2.00	2.00	
NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00	MLOG 430 Chartering and Brokerage	3	0	3.00	3.00	Humanities Elective	3	0	3.00	3.00	
					HIST 220 LEC Modern World History	3	0	3.00	3.00						
	14	3	17.00	15.50		15	4	19.00	16.00		12	5	17.50	13.00	
											Total In-Resident Credits				149.00
											Total Credits				170.00

Office of the Registrar
United States Merchant Marine Academy

Class of 2023 B & Beyond

Major: Maritime Logistics & Security

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
NAUT 101 LEC Introduction to Nautical Science	2	2	4.00	3.00	NAUT 120 LEC Terrestrial Navigation 1	2	2	4.00	3.00	NAUT 125 LEC Terrestrial Navigation 2	3	0	3.00	3.00	
ECME 101 LEC Introduction to Marine Engineering	3	3	4.50	3.50	NAUT 130 LEC Introduction to Navigation Law	1	0	1.00	1.00	NAUT 210 LEC Integrated Navigation 1	3	2	5.00	4.00	
NAUT 110 LEC Basic Firefighting and Safety	2	0	2.00	2.00	NAUT 140 LEC Maritime Communications	3	2	5.00	4.00	NAUT 250 LEC Dry Cargo Operations	3	0	3.00	3.00	
HIST 100 LEC History of Sea Power	3	0	3.00	3.00	NAUT 160 LEC Ship Constructions and Stability	3	0	3.00	3.00	MATH 120 LEC Calculus II	2	0	3.00	3.00	
MATH 101 LEC Calculus I	3	0	3.00	3.00	PHYS 120 LEC Physics 2	3	2	4.50	3.00	WTRF 100 LEC Safety of Life at Sea	1	2	3.00	2.00	
PHYS 110 LEC Physics 1	3	2	4.50	3.00	LITR 101 LEC Composition & Literature	3	0	3.00	3.00	NASC 100 LEC Introduction to Naval Science	2	0	2.00	2.00	
PE&A 120 LAB First Aid	0	2	1.00	0.50	PE&A 110 LAB Basic Swimming	0	2	2.00	1.00	PE&A 130 LAB Aquatic Survival	0	2	2.00	1.00	
PE&A 125 LAB Self Defense Tactics	0	2	1.00	0.50	MLOG 120 VPDSO	0	1	1.00	0.00	BUSN101 Principles of Leadership	1	0	1.00	1.00	
CMDT100 Social Responsibility				0.00											
16	11	23.00	18.50		15	9	23.50	18.00		15	6	22.00	19.00		
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
NPRJ 210 PRJ Cargo Operations 1				1.00	NAUT 215 LEC Integrated Navigation 2	3	2	5.00	4.00	NPRJ 310 PRJ Cargo Operations 2				2.00	
NPRJ 215 PRJ Integrated Navigation Systems 1				1.00	NAUT 220 LEC Liquid Cargo Operations	2	2	4.00	3.00	NPRJ 315 PRJ Integrated Navigation Systems 2				1.00	
NPRJ 220 PRJ Seamanship 1				1.00	NAUT 225 LEC Celestial Navigation	3	2	5.00	4.00	NPRJ 320 PRJ Seamanship 2				1.50	
NPRJ 225 PRJ Ship Structure and Stability 1				1.00	NAUT 240 LEC Meteorology	3	0	3.00	3.00	NPRJ 325 PRJ Ship Structure and Stability 2				1.50	
NPRJ 230 PRJ Navigation I				1.00	BUSN 110 LEC The Business of Transportation	3	0	3.00	3.00	NPRJ 330 PRJ Navigation II				2.00	
NPRJ 235 PRJ Navigation Law 1				1.00	BUSN201 Maritime Leadership and Management	2	0	2.00	2.00						
EPRJ 245 PRJ Marine Engine for Deck Project				1.00											
0	0	0.00	7.00		16	6	22.00	19.00		0	0	0.00	8.00		
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
NPRJ 335 PRJ Navigation Law 2				2.00	NAUT 230 LEC Navigation Law	2	0	2.00	2.00	NAUT 330 LEC The Maritime Regulatory Environment	2	0	2.00	2.00	
NPRJ 340 PRJ Maritime Business				1.00	NAUT 310 LEC Integrated Navigation 3	3	2	5.00	4.00	NAUT 460 LEC Bridge Resource Management	1	2	3.00	2.00	
NPRJ 345 PRJ Maritime Communications Sea Project				1.00	BUSN 210 Principles of Economics	3	0	3.00	3.00	LITR 201 LEC Literature	3	0	3.00	3.00	
HPRJ 200 PRJ Humanities Sea Project				1.00	MLOG310 LEC Vessel Security Officer/Competency	3	0	3.00	3.00	BUSN 230 LEC Principles of Management	3	0	3.00	3.00	
INSP100 PRJ Internship				1.00	CHEM 100 LEC General Chemistry	3	2	5.00	4.00	MLOG 200 LEC Integrated Logistics Management	3	0	3.00	3.00	
										NASC 200 LEC Strategic Sealift	2	0	2.00	2.00	
0	0	0.00	6.00		14	4	18.00	16.00		14	2	16.00	15.00		
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50	BUSN 310 LEC Accounting & Finance	3	0	3.00	3.00	NAUT 400 LEC License Seminar	0	3	3.00	0.00	
NAUT 440 LAB Flashing Light and Radar Observation	0	2	2.00	0.00	BUSN 420 LEC Maritime Economics	3	0	3.00	3.00	ECME480 LEC Marine Engineering for Deck Officers	2	1	3.50	2.50	
BUSN 300 LEC Fundamentals of Business Law	3	0	3.00	3.00	MLOG 425 LEC Maritime Security Research Seminar	3	0	3.00	3.00	BUSN 430 LEC Admiralty and International Law	2	0	2.00	2.00	
BUSN 410 LEC Marketing	2	1	3.00	2.50	MLOG 430 Chartering and Brokerage	3	0	3.00	3.00	MLOG 450 LEC Capstone Project Seminar	3	0	3.00	3.00	
MATH 210 LEC Probability & Statistics	3	0	3.00	3.00	HIST 220 LEC Modern World History	3	0	3.00	3.00	NASC 410 LEC Naval Science Senior Seminar	2	0	2.00	2.00	
MLOG 400 LEC Port and Terminal Operations	3	0	3.00	3.00						Humanities Elective	3	0	3.00	3.00	
NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00											
PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00											
14	6	20.00	16.00		15	0	15.00	15.00		12	4	16.50	12.50		
													Total In-Resident Credits		149.00
													Total Credits		170.00

Office of the Registrar
United States Merchant Marine Academy

Class of 2023 A & Beyond

Major: Marine Engineering Shipyard Management

Term 1					Term 2					Term 3				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
ECME 101 LEC Introduction to Marine Engineering	3	3	4.50	3.50	ECEE 100 LEC Introduction to Electrical Engineering	3	2	4.00	3.50	ECME 105 LEC Introduction to Marine Engineering	3	3	4.50	3.50
NAUT 101 LEC Introduction to Nautical Science	2	2	4.00	3.00	ECMT 111 LAB Engineering Shop I	0	3	3.00	1.00	ECMT 112 LAB Engineering Shop II	0	3	3.00	1.00
MATH 101 LEC Calculus I	3	0	3.00	3.00	ECMT100 LAB Engineering Graphics	0	2	2.00	1.00	ECES 100 LEC Statics	3	0	3.00	3.00
CHEM 100 LEC General Chemistry	3	2	5.00	4.00	NAUT 110 LEC Basic Firefighting and Safety	2	0	2.00	2.00	PHYS 120 LEC Physics 2	3	2	4.50	3.00
LITR 101 LEC Composition & Literature	3	0	3.00	3.00	MATH 120 LEC Calculus II	3	0	3.00	3.00	HIST 100 LEC History of Sea Power	3	0	3.00	3.00
PE&A 110 LAB Basic Swimming	0	2	2.00	1.00	PHYS 110 LEC Physics 1	3	2	4.50	3.00	WRIT 110 LEC Technical & Professional Communication	2	0	2.00	2.00
CMDT100 Social Responsibility				0.00	PE&A 120 LAB First Aid	0	2	1.00	0.50	PE&A 130 LAB Aquatic Survival	0	2	2.00	1.00
					PE&A 125 LAB Self Defense Tactics	0	2	1.00	0.50	MLOG 120 VPDS	0	1	1.00	0.00
					NASC 100 LEC Introduction to Naval Science	2	0	2.00	2.00	BUSN101 Principles of Leadership	1	0	1.00	1.00
	14	9	21.50	17.50		13	13	22.50	16.50		15	11	24.00	17.50
Term 4					Term 5					Term 6				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
ECDL 400 LEC Basic Tanker Operations-Dangerous	2	0	2.00	2.00	EPRJ 210 PRJ Machine Shop Sea Project			1.00		ECEE 200 LEC Electric Circuits	2	2	3.00	2.50
ECES 201 LEC Thermodynamics	3		3.00	3.00	EPRJ 230 PRJ Main Propulsion 1 Sea Project			2.00		ECES 220 LEC Introduction to Materials Engineering	2	0	2.00	2.00
ECES 210 LEC Dynamics	2	0	2.00	2.00	EPRJ 240 PRJ Shipboard Systems 1 Sea Project			2.00		ECES 221 LAB Introduction to Materials Engineering	0	2	1.00	0.50
WTRF 100 LEC Safety of Life at Sea	1	2	3.00	2.00	NPRJ 245 PRJ Deck Operations			1.00		ECES 230 LEC Fluid Mechanics	3	2	4.00	3.50
MATH 210 LEC Probability & Statistics	3	0	3.00	3.00						MATH 300 LEC Calculus III	3	0	3.00	3.00
MATH 220 LEC Differential Equations 1	3	0	3.00	3.00						MATH310 LEC Operations Research 1	3	0	3.00	3.00
NASC 200 LEC Strategic Sealift	2	0	2.00	2.00						CHEM 200 LEC Chemistry for Marine Engineering	3	2	3.50	3.00
	16	2	18.00	17.00		0	0	0.00	6.00	PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00
											16	10	21.50	18.50
Term 7					Term 8					Term 9				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
ECEE 300 LEC Electric Machines	3	2	4.00	3.50	EPRJ 310 PRJ Maintenance Management			1.00		EPRJ350 PRJ Marine Propulsion 3 Sea Project				2.50
EREM 300 LEC Engineering Economics	3	0	3.00	3.00	EPRJ 320 PRJ Naval Arch Sea Project			1.00		EPRJ 400 PRJ MESM Shipyard Internship				2.00
ECES 300 LEC Strength of Materials	3	2	4.00	3.50	EPRJ 330 PRJ Marine Propulsion 2 Sea Project			2.50		NPRJ 340 PRJ Maritime Business				1.00
ECES 310 LEC Heat Transfer	3	0	3.00	3.00	EPRJ 335 PRJ Refrigeration Sea Project			1.00		HPRJ 200 PRJ Humanities Sea Project				1.00
MATH 330 LEC Operations Research 2	3	3	3.00	3.00	EPRJ 340 PRJ Shipboard Systems II Sea Project			2.00		INSP100 PRJ Internship				1.00
BUSN201 Maritime Leadership and Management	2	0	2.00	2.00	EPRJ 345 PRJ Electrical Engineering Sea Project			1.00						
	17	7	19.00	18.00		0	0	0.00	8.50		0	0	0.00	7.50
Term 10					Term 11					Term 12				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
ECME 400 LEC Marine Steam Plants and Components	3	3	4.50	3.50	ECME 400 LEC Marine Engineering Management	1	2	3.00	2.00	ECME 460 LAB Marine Engineering License Preparation	1	2	3.00	0.50
ECME 410 LAB Marine Steam Plant Simulation	0	3	1.50	0.50	ECES 401 LEC Machine Elements	2	0	2.00	2.00	EMEM 425 Engineering Project Management 3	1	2	2.00	2.00
ECME 420 LEC Internal Combustion Engines	3	3	4.50	3.50	ECME 440 LAB Engine Room Resource Management	0	4	4.00	1.00	NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50
ECME 431 LEC Marine Refrigeration	2	3	3.50	2.50	ECME 450 LEC Gas Turbines and marine Auxiliary	3	3	4.50	3.50	NASC 410 LEC Naval Science Senior Seminar	2	0	2.00	2.00
ECEE 400 LEC Electronics	2	1	3.00	2.50	ECME 470 LEC Marine Plant Automation and Control	2	3	3.50	2.50	HIST 220 LEC Modern World History	3	0	3.00	3.00
EMEM 405 LEC Engineering Project Management 1	3	1	3.50	3.50	ECNA 401 LEC Naval Architecture for Marine Engineering	3	0	2.50	2.50	LITR 201 LEC Literature	3	0	3.00	3.00
BUSN 210 Principles of Economics	3	0	3.00	3.00	EMEM 415 LEC Engineering Project Management 2	3	1	3.50	3.50					
	16	14	23.50	19.00	NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00		11	5	15.00	12.00
						16	13	25.00	19.00					
													Total In-Resident Credits	155.00
													Total Credits	177.00

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Class of 2023 B & Beyond

United States Merchant Marine Academy

Major: Marine Engineering Shipyard Management

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR	
ECME 101 LEC Introduction to Marine Engineering I	3	3	4.50	3.50	ECME 105 LEC Introduction to Marine Engineering II	3	3	4.50	3.50	ECEE 100 LEC Introduction to Electrical Engine	3	2	4.00	3.50	
NAUT 101 LEC Introduction to Nautical Science	2	2	4.00	3.00	ECMT 111 LAB Engineering Shop I	0	3	3.00	1.00	ECMT 100 LAB Engineering Graphics	0	2	2.00	1.00	
MATH 101 LEC Calculus I	3	0	3.00	3.00	MATH 120 LEC Calculus II	3	0	3.00	3.00	ECMT 112 LAB Engineering Shop II	0	3	3.00	1.00	
CHEM 100 LEC General Chemistry	3	2	5.00	4.00	PHYS 110 LEC Physics 1	3	2	4.50	3.00	ECES 100 LEC Statics	3	0	3.00	3.00	
LITR 101 LEC Composition & Literature	3	0	3.00	3.00	HIST 100 LEC History of Sea Power	3	0	3.00	3.00	WTRF 100 LEC Safety of Life at Sea	1	2	3.00	2.00	
PE&A 110 LAB Basic Swimming	0	2	2.00	1.00	NASC 100 LEC Introduction to Naval Science	2	0	2.00	2.00	NAUT 110 LEC Basic Firefighting and Safety	2	0	2.00	2.00	
CMDT100 Social Responsibility				0.00	PE&A 130 LAB Aquatic Survival	0	2	2.00	1.00	PHYS 120 LEC Physics 2	3	2	4.50	3.00	
					MLOG 120 VPDS	0	1	1.00	0.00	PE&A 120 LAB First Aid	0	2	1.00	0.50	
					BUSN101 Principles of Leadership	1	0	1.00	1.00	PE&A 125 LAB Self Defense Tactics	0	2	1.00	0.50	
	14	9	21.50	17.50		15	11	24.00	17.50		12	15	23.50	16.50	
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR	
EPRJ 210 PRJ Machine Shop Sea Project				1.00	ECES 210 LEC Dynamics	2	0	2.00	2.00	EPRJ 310 PRJ Maintenance Management				1.00	
EPRJ 230 PRJ Main Propulsion 1 Sea Project				2.00	ECES 201 LEC Thermodynamics	3	0	3.00	3.00	EPRJ 320 PRJ Naval Arch Sea Project				1.00	
EPRJ 240 PRJ Shipboard Systems 1 Sea Project				2.00	ECDL 400 LEC Basic Tanker Operations-Dangerous	2	0	2.00	2.00	EPRJ 330 PRJ Marine Propulsion 2 Sea Project				2.50	
NPRJ 245 PRJ Deck Operations				1.00	MATH 220 LEC Differential Equations 1	3	0	3.00	3.00	EPRJ 335 PRJ Refrigeration Sea Project				1.00	
					CHEM 200 LEC Chemistry for Marine Engineers	3	2	3.50	3.00	EPRJ 340 PRJ Shipboard Systems II Sea Project				2.00	
					NASC 200 LEC Strategic Sealift	2	0	2.00	2.00	EPRJ 345 PRJ Electrical Engineering Sea Project				1.00	
					BUSN201 Maritime Leadership and Management	2	0	2.00	2.00						
	0	0	0.00	6.00		17	2	17.50	17.00		0	0	0	8.50	
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR	
EPRJ350 PRJ Marine Propulsion 3 Sea Project				2.50	ECEE 200 LEC Electric Circuits	2	2	3.00	2.50	ECEE 300 LEC Electric Machines	3	2	4.00	3.50	
EPRJ 400 PRJ MESM Shipyard Internship				2.00	ECES 220 LEC Introduction to Materials Engineering	2	0	2.00	2.00	ECES 300 LEC Strength of Materials	3	2	4.00	3.50	
NPRJ 340 PRJ Maritime Business				1.00	ECES 221 LAB Introduction to Materials Engineering	0	2	1.00	0.50	ECES 310 LEC Heat Transfer	3	0	3.00	3.00	
HPRJ 200 PRJ Humanities Sea Project				1.00	ECES 230 LEC Fluid Mechanics	3	2	4.00	3.50	EREM 300 LEC Engineering Economics	3	0	3.00	3.00	
INSP100 PRJ Internship				1.00	BUSN 210 Principles of Economics	3	0	3.00	3.00	MATH310 LEC Operations Research 1	3	0	3.00	3.00	
					MATH 210 LEC Probability & Statistics	3	0	3.00	3.00	WRIT 110 LEC Technical & Professional Commr	2	0	2.00	2.00	
					MATH 300 LEC Calculus III	3	0	3.00	3.00						
					PE&A 200 LAB Medical Care Provider	2	2	2.00	1.00						
	0	0	0.00	7.50		16	8	21.00	18.50		17	4	19.00	18.00	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
ECME 400 LEC Marine Engineering Management	1	2	3.00	2.00	ECME 420 LEC Internal Combustion Engines	3	3	4.50	3.50	ECME 460 LAB Marine Engineering License Se	1	2	3.00	0.50	
ECEE 400 LEC Electronics	2	1	3.00	2.50	ECME 431 LEC Marine Refrigeration	2	3	3.50	2.50	ECES 401 LEC Machine Elements	2	0	2.00	2.00	
ECME 400 LEC Marine Steam Plants and Componen	3	3	4.50	3.50	ECME 440 LAB Engine Room Resource Managemen	0	4	4.00	1.00	EMEM 425 Engineering Project Managment 3	1	2	2.00	2.00	
ECME 410 LAB Marine Steam Plant Simulation	0	3	1.50	0.50	ECME 470 LEC Marine Plant Automation and Contrc	2	3	3.50	2.50	NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50	
ECME 450 LEC Gas Turbines and marine Auxiliary E	3	3	4.50	3.50	ECNA 401 LEC Naval Architecture for Marine Engine	3	0	2.50	2.50	NASC 410 LEC Naval Science Senior Seminar	2	0	2.00	2.00	
EMEM 405 LEC Engineering Project Management 1	3	1	3.50	3.50	EMEM 415 LEC Engineering Project Management 2	3	1	3.50	3.50	HIST 220 LEC Modern World History	3	0	3.00	3.00	
MATH 330 LEC Operations Research 2	3	3	3.00	3.00	NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00	LITR 201 LEC Literature	3	0	3.00	3.00	
	15	16	23.00	18.50		15	14	23.50	17.50		13	5	17.00	14.00	
											Total In-Resident Credits				155.00
											Total Credits				177.00

Office of the Registrar
United States Merchant Marine Academy

Class of 2023 A & Beyond**Major: Marine Engineering Systems**

Term 1					Term 2					Term 3				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
ECME 101 LEC Introduction to Marine Engineeri	3	3	4.50	3.50	ECME 105 LEC Introduction to Marine Er	3	3	4.00	3.50	ECME 105 LEC Introduction to Marine Er	3	3	4.00	3.50
NAUT 101 LEC Introduction to Nautical Science	2	2	4.00	3.00	ECMT 111 LAB Engineering Shop I	0	3	3.00	1.00	ECMT 112 LAB Engineering Shop II	0	3	3.00	1.00
MATH 101 LEC Calculus 1	3	0	3.00	3.00	ECMT100 LAB Engineering Graphics	0	2	2.00	1.00	ECES 100 LEC Statics	3	0	3.00	3.00
CHEM 100 LEC General Chemistry	3	2	5.00	4.00	NAUT 110 LEC Basic Firefighting and Safety	2	0	2.00	2.00	PHYS 120 LEC Physics 2	3	2	4.50	3.00
LITR 101 LEC Composition & Literature	3	0	3.00	3.00	MATH 120 LEC Calculus 2	3	0	3.00	3.00	HIST 100 LEC History of Sea Power	3	0	3.00	3.00
PE&A 110 LAB Basic Swimming	0	2	2.00	1.00	PHYS 110 LEC Physics 1	3	2	4.50	3.00	WRIT 110 LEC Technical & Professional	2	0	2.00	2.00
CMDT100 Social Responsibility				0.00	PE&A 120 LAB First Aid	0	2	1.00	0.50	PE&A 130 LAB Aquatic Survival	0	2	2.00	1.00
					PE&A 125 LAB Self Defense Tactics	0	2	1.00	0.50	MLOG 120 VPDS	0	1	1.00	0.00
					NASC 100 LEC Introduction to Naval Science	2	0	2.00	2.00	BUSN101 Principles of Leadership	1	0	1.00	1.00
	14	9	21.50	17.50		13	13	23.00	16.50		15	11	23.50	17.50
Term 4					Term 5					Term 6				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
ECDL 400 LEC Basic Tanker Operations-Dange	2	0	2.00	2.00	EPRJ 210 PRJ Machine Shop Sea Project				1.00	ECEE 200 LEC Electric Circuits	2	2	3.00	2.50
ECES 201 LEC Thermodynamics	3	0	3.00	3.00	EPRJ 230 PRJ Main Propulsion 1 Sea Project				2.00	ECES 220 LEC Introduction to Materials I	2	0	2.00	2.00
ECES 210 LEC Dynamics	2	0	2.00	2.00	EPRJ 240 PRJ Shipboard Systems 1 Sea Project				2.00	ECES 221 LAB Introduction to Materials I	0	2	1.00	0.50
WTRF 100 LEC Safety of Life at Sea	1	2	3.00	2.00	NPRJ 245 PRJ Deck Operations				1.00	ECES 230 LEC Fluid Mechanics	3	2	4.00	3.50
PHYS 230 LEC Physics 3	3	2	4.50	3.00						MATH 210 LEC Probability & Statistics	3	0	3.00	3.00
MATH 220 LEC Differential Equations 1	3	0	3.00	3.00						MATH 300 LEC Calculus III	3	0	3.00	3.00
NASC 200 LEC Strategic Sealift	2	0	2.00	2.00						CHEM 200 LEC Chemistry for Marine En	3	2	3.50	3.00
	16	4	19.50	17.00		0	0	0.00	6.00	PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00
											16	10	21.50	18.50
Term 7					Term 8					Term 9				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
ECEE 300 LEC Electric Machines	3	2	4.00	3.50	EPRJ 310 PRJ Maintenance Management				1.00	EPRJ350 PRJ Marine Propulsion 3 Sea Project				2.50
ECES 300 LEC Strength of Materials	3	2	4.00	3.50	EPRJ 320 PRJ Naval Arch Sea Project				1.00	NPRJ 340 PRJ Maritime Business				1.00
ECES 310 LEC Heat Transfer	3	0	3.00	3.00	EPRJ 330 PRJ Marine Propulson 2 Sea Project				2.50	HPRJ 200 PRJ Humanities Sea Project				1.00
MATH 320 LEC Differential Equations 2	3	0	3.00	3.00	EPRJ 335 PRJ Refrigeration Sea Project				1.00	INSP100 PRJ Internship				1.00
BUSN 210 Principles of Economics	3	0	3.00	3.00	EPRJ 340 PRJ Shipboard Systems II Sea Project				2.00					
BUSN201 Maritime Leadership and Managemen	2	0	2.00	2.00	EPRJ 345 PRJ Electrical Engineering Sea Project				1.00					
	17	4	19.00	18.00		0	0	0.00	8.50		0	0	0.00	5.50
Term 10					Term 11					Term 12				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
ECES 401 LEC Machine Elements	2	0	2.00	2.00	ECEN 400 LEC Marine Engineering Managemer	1	2	3.00	2.00	ECEE 400 LEC Electronics	2	1	3.00	2.50
ECME 400 LEC Marine Steam Plants and Comp	3	3	4.50	3.50	ECME 450 LEC Gas Turbines and marine Auxilia	3	3	4.50	3.50	ECME 460 LAB Marine Engineering Licer	1	2	3.00	0.50
ECME 410 LAB Marine Steam Plant Simulation	0	3	1.50	0.50	ECME 470 LEC Marine Plant Automation and Co	2	3	3.50	2.50	ESME 420 Capstone 3	1	1	1.50	1.50
ECME 420 LEC Internal Combustion Engines	3	3	4.50	3.50	ECNA 401 LEC Naval Architecture for Marine En	3	0	2.50	2.50	NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50
ECME 431 LEC Marine Refrigeration	2	3	3.50	2.50	ESME 410 Capstone 2	1	1	2.00	2.00	NASC 410 LEC Naval Science Senior Se	2	0	2.00	2.00
ECME 440 LAB Engine Room Resource Manage	0	4	4.00	1.00	LITR 201 LEC Literature	3	0	3.00	3.00	HIST 220 LEC Modern World History	3	0	3.00	3.00
EREM 300 LEC Engineering Economics	3	0	3.00	3.00	NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00	EEXX XXX Engineering Elective	3	0	3.00	3.00
ESME 400 Capstone 1	1	1	2.00	2.00										
	14	17	25.00	18.00		15	9	20.50	17.50		13	5	17.50	14.00
											Total In-Resident Credits			154.50
											Total Credits			174.50

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United States Merchant Marine Academy

Major: Marine Engineering Systems

Class of 2023 B & Beyond

Term 1	C	L	Chr	CR	Term 2	C	L	Chr	CR	Term 3	C	L	Chr	CR
ECME 101 LEC Introduction to Marine Engineering	3	3	4.50	3.50	ECME 105 LEC Introduction to Marine Engineering	3	3	4.50	3.50	ECEE 100 LEC Introduction to Electrical I	3	2	4.00	3.50
NAUT 101 LEC Introduction to Nautical Science	2	2	4.00	3.00	ECMT 111 LAB Engineering Shop I	0	3	3.00	1.00	ECMT 100 LAB Engineering Graphics	3	3	6.00	1.00
MATH 101 LEC Calculus 1	3	0	3.00	3.00	MATH 120 LEC Calculus 2	3	0	3.00	3.00	ECMT 112 LAB Engineering Shop II	0	3	3.00	1.00
CHEM 100 LEC General Chemistry	3	2	5.00	4.00	PHYS 110 LEC Physics 1	3	2	4.50	3.00	ECES 100 LEC Statics	3	0	3.00	3.00
LITR 101 LEC Composition & Literature	3	0	3.00	3.00	HIST 100 LEC History of Sea Power	3	0	3.00	3.00	WTRF 100 LEC Safety of Life at Sea	1	2	3.00	2.00
PE&A 110 LAB Basic Swimming	0	2	2.00	1.00	NASC 100 LEC Introduction to Naval Science	2	0	2.00	2.00	NAUT 110 LEC Basic Firefighting and Sa	2	0	2.00	2.00
CMDT100 Social Responsibility				0.00	PE&A 130 LAB Aquatic Survival	0	2	2.00	1.00	PHYS 120 LEC Physics 2	3	2	4.50	3.00
					MLOG 120 VPDS	0	1	1.00	0.00	PE&A 120 LAB First Aid	0	2	1.00	0.50
					BUSN101 Principles of Leadership	1	0	1.00	1.00	PE&A 125 LAB Self Defense Tactics	0	2	1.00	0.50
	14	9	21.50	17.50		15	11	24.00	17.50		15	16	27.50	16.50
Term 4	C	L	Chr	CR	Term 5	C	L	Chr	CR	Term 6	C	L	Chr	CR
EPRJ 210 PRJ Machine Shop Sea Project				1.00	ECDL 400 LEC Basic Tanker Operations-Danger	2	0	2.00	2.00	EPRJ 310 PRJ Maintenance Management				1.00
EPRJ 230 PRJ Main Propulsion 1 Sea Project				2.00	ECES 210 LEC Dynamics	2	0	2.00	2.00	EPRJ 320 PRJ Naval Arch Sea Project				1.00
EPRJ 240 PRJ Shipboard Systems 1 Sea Project				2.00	ECES 201 LEC Thermodynamics	3	2	3.00	3.00	EPRJ 330 PRJ Marine Propulsion 2 Sea Project				2.50
NPRJ 245 PRJ Deck Operations				1.00	MATH 210 LEC Probability & Statistics	3	0	3.00	3.00	EPRJ 335 PRJ Refrigeration Sea Project				1.00
					MATH 220 LEC Differential Equations 1	3	0	3.00	3.00	EPRJ 340 PRJ Shipboard Systems II Sea Project				2.00
					NASC 200 LEC Strategic Sealift	2	0	2.00	2.00	EPRJ 345 PRJ Electrical Engineering Sea Project				1.00
					BUSN201 Maritime Leadership and Management	2	0	2.00	2.00					
					WRIT 110 LEC Technical & Professional Commu	2	0	2.00	2.00					
	0	0	0.00	6.00		19	2	19.00	19.00		0	0	0.00	8.50
Term 7	C	L	Chr	CR	Term 8	C	L	Chr	CR	Term 9	C	L	Chr	CR
EPRJ350 PRJ Marine Propulsion 3 Sea Project				2.50	ECEE 200 LEC Electric Circuits	2	2	3.00	2.50	ECES 300 LEC Strength of Materials	3	2	4.00	3.50
NPRJ 340 PRJ Maritime Business				1.00	ECES 220 LEC Introduction to Materials Enginee	2	0	2.00	2.00	ECES 310 LEC Heat Transfer	3	0	3.00	3.00
HPRJ 200 PRJ Humanities Sea Project				1.00	ECES 221 LAB Introduction to Materials Enginee	0	2	1.00	0.50	ECEE 300 LEC Electric Machines	3	2	4.00	3.50
INSP100 PRJ Internship				1.00	ECES 230 LEC Fluid Mechanics	3	2	4.00	3.50	EREM 300 LEC Engineering Economics	3	0	3.00	3.00
					PHYS 230 LEC Physics 3	3	2	4.50	3.00	CHEM 200 LEC Chemistry for Marine En	3	2	3.50	3.00
					BUSN 210 Principles of Economics	3	0	3.00	3.00	MATH 320 LEC Differential Equations 2	3	0	3.00	3.00
					MATH 300 LEC Calculus III	3	0	3.00	3.00					
					PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00					
	0	0	0.00	5.50		16	10	22.50	18.50		18	6	20.50	19.00
Term 10	C	L	Chr	CR	Term 11	C	L	Chr	CR	Term 12	C	L	Chr	CR
ECME 400 LEC Marine Engineering Management	1	2	3.00	2.00	ECME 420 LEC Internal Combustion Engines	3	3	4.50	3.50	ECEE 400 LEC Electronics	2	1	3.00	2.50
ECES 401 LEC Machine Elements	2	0	2.00	2.00	ECME 431 LEC Marine Refrigeration	2	3	3.50	2.50	ECME 460 LAB Marine Engineering Licer	1	2	3.00	0.50
ECME 400 LEC Marine Steam Plants and Comp	3	3	4.50	3.50	ECME 440 LAB Engine Room Resource Manage	0	4	4.00	1.00	ESME 420 Capstone 3	1	1	1.50	1.50
ECME 410 LAB Marine Steam Plant Simulation	0	3	1.50	0.50	ECME 470 LEC Marine Plant Automation and Cc	2	3	3.50	2.50	NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50
ECME 450 LEC Gas Turbines and marine Auxilia	3	3	4.50	3.50	ESME 410 Capstone 2	1	1	2.00	2.00	NASC 410 LEC Naval Science Senior Se	2	0	2.00	2.00
ECNA 401 LEC Naval Architecture for Marine En	3	0	2.50	2.50	LITR 201 LEC Literature	3	0	3.00	3.00	HIST 220 LEC Modern World History	3	0	3.00	3.00
ESME 400 Capstone 1	1	1	2.00	2.00	NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00	EEXX XXX Engineering Elective	3	0	3.00	3.00
	13	12	20.00	16.00		13	14	22.50	16.50		13	5	17.50	14.00
										Total In-Resident Credits				154.50
										Total Credits				174.50

Office of the Registrar
United States Merchant Marine Academy

Class of 2023 A & Beyond

Major: Marine Engineering

Term 1	C	L	CHr	CR	Term 2	C	L	CHr	CR	Term 3	C	L	CHr	CR
ECME 101 LEC Introduction to Marine Engineering	3	3	4.50	3.50	ECEE 100 LEC Introduction to Electrical Engineering	3	2	4.00	3.50	ECME 105 LEC Introduction to Marine Engineering	3	3	4.50	3.50
NAUT 101 LEC Introduction to Nautical Science	2	2	4.00	3.00	ECMT 111 LAB Engineering Shop I	0	3	3.00	1.00	ECMT 112 LAB Engineering Shop II	0	3	3.00	1.00
MATH 101 LEC Calculus 1	3	0	3.00	3.00	ECMT100 LAB Engineering Graphics	0	2	2.00	1.00	ECES 100 LEC Statics	3	0	3.00	3.00
CHEM 100 LEC General Chemistry	3	2	5.00	4.00	NAUT 110 LEC Basic Firefighting and Safety	2	0	2.00	2.00	PHYS 120 LEC Physics 2	3	2	4.50	3.00
LITR 101 LEC Composition & Literature	3	0	3.00	3.00	MATH 120 LEC Calculus 2	3	0	3.00	3.00	HIST 100 LEC History of Sea Power	3	0	3.00	3.00
PE&A 110 LAB Basic Swimming	0	2	2.00	1.00	PHYS 110 LEC Physics 1	3	2	4.50	3.00	WRIT 110 LEC Technical & Professional Communication	2	0	2.00	2.00
CMDT100 Social Responsibility				0.00	PE&A 120 LAB First Aid	0	2	1.00	0.50	PE&A 130 LAB Aquatic Survival	0	2	2.00	1.00
					PE&A 125 LAB Self Defense Tactics	0	2	1.00	0.50	MLOG 120 VPDS	0	1	1.00	0.00
					NASC 100 LEC Introduction to Naval Science	2	0	2.00	2.00	BUSN101 Principles of Leadership	1	0	1.00	1.00
	14	9	21.50	17.50		13	13	22.50	16.50		15	11	24.00	17.50
Term 4	C	L	CHr	CR	Term 5	C	L	CHr	CR	Term 6	C	L	CHr	CR
ECES 201 LEC Thermodynamics	3	0	3.00	3.00	EPRJ 210 PRJ Machine Shop Sea Project				1.00	ECEE 200 LEC Electric Circuits	2	2	3.00	2.50
ECES 210 LEC Dynamics	2	0	2.00	2.00	EPRJ 230 PRJ Main Propulsion 1 Sea Project				2.00	ECES 220 LEC Introduction to Materials Engineering	2	0	2.00	2.00
WTRF 100 LEC Safety of Life at Sea	1	2	3.00	2.00	EPRJ 240 PRJ Shipboard Systems 1 Sea Project				2.00	ECES 221 LAB Introduction to Materials Engineering	0	2	1.00	0.50
MATH 220 LEC Differential Equations 1	3	0	3.00	3.00	NPRJ 245 PRJ Deck Operations				1.00	ECES 230 LEC Fluid Mechanics	3	2	4.00	3.50
LITR 201 LEC Literature	3	0	3.00	3.00						MATH 210 LEC Probability & Statistics	3	0	3.00	3.00
NASC 200 LEC Strategic Sealift	2	0	2.00	2.00						CHEM 200 LEC Chemistry for Marine Engineering	3	2	3.50	3.00
	14	2.0	16.00	15.00		0	0	0.00	6.00	PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00
										BUSN201 Maritime Leadership and Management	2	0	2.00	2.00
											15	10	20.50	17.50
Term 7	C	L	CHr	CR	Term 8	C	L	CHr	CR	Term 9	C	L	CHr	CR
ECES 300 LEC Strength of Materials	3	2	4.00	3.50	EPRJ 310 PRJ Maintenance Management				1.00	EPRJ350 PRJ Marine Propulsion 3 Sea Project				2.50
ECES 310 LEC Heat Transfer	3	0	3.00	3.00	EPRJ 320 PRJ Naval Arch Sea Project				1.00	NPRJ 340 PRJ Maritime Business				1.00
ECEE 300 LEC Electric Machines	3	2	4.00	3.50	EPRJ 330 PRJ Marine Propulsion 2 Sea Project				2.50	HPRJ 200 PRJ Humanities Sea Project				1.00
ECDL 400 LEC Basic Tanker Operations-Dangerous	2	0	2.00	2.00	EPRJ 335 PRJ Refrigeration Sea Project				1.00	INSP100 PRJ Internship				1.00
BUSN 210 Principles of Economics	3	0	3.00	3.00	EPRJ 340 PRJ Shipboard Systems II Sea Project				2.00					
NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00	EPRJ 345 PRJ Electrical Engineering Sea Project				1.00					
	16	4	18.00	17.00		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
ECME 400 LEC Marine Steam Plants and Components	3	3	4.50	3.50	ECEE 400 LEC Electronics	2	1	3.00	2.50	ECES 401 LEC Machine Elements	2	0	2.00	2.00
ECME 410 LAB Marine Steam Plant Simulation	0	3	1.50	0.50	ECME 400 LEC Marine Engineering Management	1	2	3.00	2.00	ECME 460 LAB Marine Engineering License	1	2	3.00	0.50
ECME 420 LEC Internal Combustion Engines	3	3	4.50	3.50	ECME 450 LEC Gas Turbines and marine Auxiliaries	3	3	4.50	3.50	NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50
ECME 431 LEC Marine Refrigeration	2	3	3.50	2.50	ECME 470 LEC Marine Plant Automation and Control	2	3	3.50	2.50	NASC 410 LEC Naval Science Senior Seminar	2	0	2.00	2.00
ECME 440 LAB Engine Room Resource Management	0	4	4.00	1.00	ECNA 401 LEC Naval Architecture for Marine Engineers	3	0	2.50	2.50	HIST 220 LEC Modern World History	3	0	3.00	3.00
Free Elective	3	0	3.00	3.00	Free Elective	3	0	3.00	3.00	Free Elective	3	0	3.00	3.00
	11	16	21.00	14.00		14	9	19.50	16.00		12	3	15.00	12.00

Total In-Resident Credits 143.00
Total Credits **163.00**

Office of the Registrar
United States Merchant Marine Academy

Class of 2023 B & Beyond

Major: Marine Engineering

Term 1					Term 2					Term 3				
C	L	Chr	CR		C	L	Chr	CR		C	L	Chr	CR	
ECME 101 LEC Introduction to Marine Engineeri	3	3	4.50	3.50	ECME 105 LEC Introduction to Marine Engineeri	3	3	4.50	3.50	ECEE 100 LEC Introduction to Electrical I	3	2	4.00	3.50
NAUT 101 LEC Introduction to Nautical Science	2	2	4.00	3.00	ECMT 111 LAB Engineering Shop I	0	3	3.00	1.00	ECMT 100 LAB Engineering Graphics	0	2	2.00	1.00
MATH 101 LEC Calculus 1	3	0	3.00	3.00	MATH 120 LEC Calculus 2	3	0	3.00	3.00	ECMT 112 LAB Engineering Shop II	0	3	3.00	1.00
CHEM 100 LEC General Chemistry	3	2	5.00	4.00	PHYS 110 LEC Physics 1	3	2	4.50	3.00	ECES 100 LEC Statics	3	0	3.00	3.00
LITR 101 LEC Composition & Literature	3	0	3.00	3.00	HIST 100 LEC History of Sea Power	3	0	3.00	3.00	WTRF 100 LEC Safety of Life at Sea	1	2	3.00	2.00
PE&A 110 LAB Basic Swimming	0	2	2.00	1.00	NASC 100 LEC Introduction to Naval Science	2	0	2.00	2.00	NAUT 110 LEC Basic Firefighting and Sa	2	0	2.00	2.00
CMDT100 Social Responsibility				0.00	PE&A 130 LAB Aquatic Survival	0	2	2.00	1.00	PHYS 120 LEC Physics 2	3	2	4.50	3.00
					MLOG 120 VPDS	0	1	1.00	0.00	PE&A 120 LAB First Aid	0	2	1.00	0.50
					BUSN101 Principles of Leadership	1	0	1.00	1.00	PE&A 125 LAB Self Defense Tactics	0	2	1.00	0.50
	14	9	21.50	17.50		15	11	24.00	17.50		12	15	23.50	16.50
Term 4					Term 5					Term 6				
C	L	Chr	CR		C	L	Chr	CR		C	L	Chr	CR	
EPRJ 210 PRJ Machine Shop Sea Project				1.00	ECES 210 LEC Dynamics	2	0	2.00	2.00	EPRJ 310 PRJ Maintenance Management				1.00
EPRJ 230 PRJ Main Propulsion 1 Sea Project				2.00	ECES 201 LEC Thermodynamics	3	0	3.00	3.00	EPRJ 320 PRJ Naval Arch Sea Project				1.00
EPRJ 240 PRJ Shipboard Systems 1 Sea Project				2.00	ECDL 400 LEC Basic Tanker Operations-Danger	2	0	2.00	2.00	EPRJ 330 PRJ Marine Propulsion 2 Sea Project				2.50
NPRJ 245 PRJ Deck Operations				1.00	MATH 220 LEC Differential Equations 1	3	0	3.00	3.00	EPRJ 335 PRJ Refrigeration Sea Project				1.00
					CHEM 200 LEC Chemistry for Marine Engineers	3	2	3.50	3.00	EPRJ 340 PRJ Shipboard Systems II Sea Project				2.00
					NASC 200 LEC Strategic Sealift	2	0	2.00	2.00	EPRJ 345 PRJ Electrical Engineering Sea Project				1.00
					BUSN201 Maritime Leadership and Managemen	2	0	2.00	2.00					
	0	0	0.00	6.00		17	2	17.50	17.00		0	0	0.00	8.50
Term 7					Term 8					Term 9				
C	L	Chr	CR		C	L	Chr	CR		C	L	Chr	CR	
EPRJ350 PRJ Marine Propulsion 3 Sea Project				2.50	ECEE 200 LEC Electric Circuits	2	2	3.00	2.50	ECES 300 LEC Strength of Materials	3	2	4.00	3.50
NPRJ 340 PRJ Maritime Business				1.00	ECES 220 LEC Introduction to Materials Enginee	2	0	2.00	2.00	ECES 310 LEC Heat Transfer	3	0	3.00	3.00
HPRJ 200 PRJ Humanities Sea Project				1.00	ECES 221 LAB Introduction to Materials Enginee	0	2	1.00	0.50	ECEE 300 LEC Electric Machines	3	2	4.00	3.50
INSP100 PRJ Internship				1.00	ECES 230 LEC Fluid Mechanics	3	2	4.00	3.50	LITR 201 LEC Literature	3	0	3.00	3.00
					BUSN 210 Principles of Economics	3	0	3.00	3.00	NASC 400 LEC Naval Leadership & Ethic	2	0	2.00	2.00
					MATH 210 LEC Probability & Statistics	3	0	3.00	3.00					
					WRIT 110 LEC Technical & Professional Commu	2	0	2.00	2.00					
	0	0	0.00	5.50		15	6	18.00	16.50		14	4	16.00	15.00
Term 10					Term 11					Term 12				
C	L	Chr	CR		C	L	Chr	CR		C	L	Chr	CR	
ECME 400 LEC Marine Engineering Managemer	1	2	3.00	2.00	ECEE 400 LEC Electronics	2	1	3.00	2.50	ECES 401 LEC Machine Elements	2	0	2.00	2.00
ECME 400 LEC Marine Steam Plants and Comp	3	3	4.50	3.50	ECME 420 LEC Internal Combustion Engines	3	3	4.50	3.50	ECME 460 LAB Marine Engineering Licer	1	2	3.00	0.50
ECME 410 LAB Marine Steam Plant Simulation	0	3	1.50	0.50	ECME 431 LEC Marine Refrigeration	2	3	3.50	2.50	NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50
ECME 450 LEC Gas Turbines and marine Auxilia	3	3	4.50	3.50	ECME 440 LAB Engine Room Resource Manage	0	4	4.00	1.00	NASC 410 LEC Naval Science Senior Se	2	0	2.00	2.00
ECNA 401 LEC Naval Architecture for Marine En	3	0	2.50	2.50	ECME 470 LEC Marine Plant Automation and Cc	2	3	3.50	2.50	HIST 220 LEC Modern World History	3	0	3.00	3.00
Free Elective	3	0	3.00	3.00	PE&A 200 LAB 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					
	13	11	19.00	15.00		12	16	23.50	16.00		12	3	15.00	12.00
													Total In-Resident Credits	143.00
													Total Credits	163.00