

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

<b>Class of 2024 A</b>					<b>Major: Marine Transportation A</b>									
<b>Term 1</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 2</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 3</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>
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	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										
	<b>16</b>	<b>11</b>	<b>23.50</b>	<b>19.50</b>		<b>14</b>	<b>7</b>	<b>20.50</b>	<b>16.00</b>		<b>17</b>	<b>6</b>	<b>22.50</b>	<b>19.00</b>
<b>Term 4</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 5</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 6</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>
NAUT210 Integrated Navigation 1	3	2	5.00	4.00	NPRJ210 PRJ 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	NPRJ215 PRJ Integrated Navigation Systems 1				1.00	NAUT225 Celestial Navigation	3	2	5.00	4.00
MATH200 Probability & Statistics Business	3	0	3.00	3.00	NPRJ220 PRJ Seamanship 1				1.00	NAUT230 Navigation Law	2	0	2.00	2.00
HIST200 Regional Studies	3	0	3.00	3.00	NPRJ225 PRJ Ship Structure and Stability 1				1.00	COMP105 Computer Programming	0	2	2.00	1.00
NASC200 Strategic Sealift	2	0	2.00	2.00	NPRJ230 PRJ Navigation I				1.00	BUSN230 Principles of Management	3	0	3.00	3.00
					NPRJ235 PRJ Navigation Law 1				1.00	LITR201 Literature	3	0	3.00	3.00
					EPRJ245 PRJ Marine Engine for Deck Project				1.00					
	<b>14</b>	<b>2</b>	<b>16.00</b>	<b>15.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>7.00</b>		<b>14</b>	<b>6</b>	<b>20.00</b>	<b>17.00</b>
<b>Term 7</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 8</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 9</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>
NAUT220 Liquid Cargo Operations	2	2	4.00	3.00	NPRJ310 PRJ Cargo Operations 2				2.00	NPRJ335 PRJ Navigation Law 2				2.00
NAUT240 Meteorology	3	0	3.00	3.00	NPRJ315 PRJ Integrated Navigation Systems 2				1.00	NPRJ340 PRJ Maritime Business				1.00
NAUT270 Maritime Communications-Lowe	2	1	3.00	2.00	NPRJ320 PRJ Seamanship 2				1.50	NPRJ345 PRJ Maritime Communications Sea Project				1.00
NAUT330 The Maritime Regulatory Environ	2	0	2.00	2.00	NPRJ325 PRJ Ship Structure and Stability 2				1.50	HPRJ300 PRJ Humanities Sea Project				1.00
HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00	NPRJ330 PRJ Navigation II				2.00	INSP100 PRJ Internship				1.00
PE&A200 Medical Care Provider	0	2	2.00	1.00										
	<b>11</b>	<b>5</b>	<b>16.00</b>	<b>13.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>
<b>Term 10</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 11</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 12</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>
NAUT310 Integrated Navigation 3	3	2	5.00	4.00	NAUT460 Bridge Resource Management	1	2	3.00	2.00	NAUT400 License Seminar	0	3	3.00	0.00
NAUT420 Advanced Firefighting	1	1	2.00	1.50	NAUT470 Maritime Communications, Uppr	2	1	3.00	2.00	ECME480 Marine Engineering for Deck O	2	1	3.50	2.50
BUSN300 Fundamentals of Business Law	3	0	3.00	3.00	BUSN420 Maritime Economics	3	0	3.00	3.00	BUSN410 Marketing	2	1	3.00	2.50
BUSN310 Accounting & Finance	3	0	3.00	3.00	BUSN430 Admiralty and International Law	2	0	2.00	2.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00
NASC400 Naval Leadership and Ethics	2	0	2.00	2.00	HIST400 Seminar in National Security Poli	2	0	2.00	2.00	<b>Humanities Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>
<b>Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	International Business	3	0	3.00	3.00	<b>Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>
	<b>15</b>	<b>3</b>	<b>18.00</b>	<b>16.50</b>	<b>Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>		<b>12</b>	<b>5</b>	<b>17.50</b>	<b>13.00</b>
						<b>16</b>	<b>3</b>	<b>19.00</b>	<b>17.00</b>					
										<b>Total In-Resident Credits</b>				<b>146.00</b>
										<b>Total Credits</b>				<b>167.00</b>

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

<b>Class of 2024 B</b>					<b>Major: Marine Transportation B</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													
	<b>16</b>	<b>11</b>	<b>23.50</b>	<b>19.50</b>		<b>14</b>	<b>7</b>	<b>20.50</b>	<b>17.00</b>		<b>16</b>	<b>8</b>	<b>22.50</b>	<b>19.00</b>			
Term 4		C	L	CHr	CR	Term 5		C	L	CHr	CR	Term 6		C	L	CHr	CR
NPRJ210 PRJ Cargo Operations 1				1.00	NAUT215 Integrated Navigation 2	3	2	5.00	4.00	NAUT230 Navigation Law	2	0	2.00	2.00			
NPRJ215 PRJ 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			
NPRJ220 PRJ Seamanship 1				1.00	NAUT225 Celestial Navigation	3	2	5.00	4.00	NAUT310 Integrated Navigation 3	3	2	5.00	4.00			
NPRJ225 PRJ 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			
NPRJ230 PRJ Navigation I				1.00	COMP105 Computer Programming	0	2	2.00	1.00	HIST200 Regional Studies	3	0	3.00	3.00			
NPRJ 235 PRJ Navigation Law 1				1.00	BUSN210 Principles of Economics	3	0	3.00	3.00	NASC200 Strategic Sealift	2	0	2.00	2.00			
EPRJ245 PRJ Marine Engine for Deck Project				1.00													
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>7.00</b>		<b>14</b>	<b>8</b>	<b>22.00</b>	<b>18.00</b>		<b>15</b>	<b>3</b>	<b>18.00</b>	<b>16.00</b>			
Term 7		C	L	CHr	CR	Term 8		C	L	CHr	CR	Term 9		C	L	CHr	CR
NPRJ310 PRJ Cargo Operations 2				2.00	NPRJ335 PRJ Navigation Law 2				2.00	NAUT460 Bridge Resource Management	1	2	3.00	2.00			
NPRJ315 PRJ Integrated Navigation Systems 2				1.00	NPRJ340 PRJ Maritime Business				1.00	BUSN230 Principles of Management	3	0	3.00	3.00			
NPRJ320 PRJ Seamanship 2				1.50	NPRJ345 PRJ Maritime Communications Sea Project				1.00	MATH200 Probability & Statistics Business	3	0	3.00	3.00			
NPRJ325 PRJ Ship Structure and Stability 2				1.50	HPRJ300 PRJ Humanities Sea Project				1.00	HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00			
NPRJ330 PRJ Navigation II				2.00	INSP100 PRJ Internship				1.00	LITR201 Literature	3	0	3.00	3.00			
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>		<b>12</b>	<b>2</b>	<b>14.00</b>	<b>13.00</b>			
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	International Business	3	0	3.00	3.00	<b>Humanities Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>			
PE&A200 Medical Care Provider	0	2	2.00	1.00	<b>Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	<b>Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>			
<b>Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>													
	<b>12</b>	<b>5</b>	<b>17.00</b>	<b>14.00</b>		<b>17</b>	<b>0</b>	<b>17.00</b>	<b>17.00</b>		<b>12</b>	<b>4</b>	<b>16.50</b>	<b>12.50</b>			
													<b>Total In-Resident Credits</b>		<b>146.00</b>		
													<b>Total Credits</b>		<b>167.00</b>		

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

<b>Class of 2024 C</b>					<b>Major: Marine Transportation C</b>										
<b>Term 1</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 2</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 3</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
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	MLOG 120 VPDS	0	1	1.00	0.00						
CMDT100 Social Responsibility				0.00											
	<b>16</b>	<b>11</b>	<b>23.50</b>	<b>19.50</b>		<b>14</b>	<b>7</b>	<b>20.50</b>	<b>17.00</b>		<b>15</b>	<b>6</b>	<b>19.50</b>	<b>17.00</b>	
<b>Term 4</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 5</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 6</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
NAUT220 Liquid Cargo Operations	2	2	4.00	3.00	NAUT215 Integrated Navigation 2	3	2	5.00	4.00	NPRJ210 PRJ Cargo Operations 1				1.00	
NAUT240 Meteorology	3	0	3.00	3.00	NAUT230 Navigation Law	2	0	2.00	2.00	NPRJ215 PRJ 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	NPRJ220 PRJ Seamanship 1				1.00	
BUSN210 Principles of Economics	3	0	3.00	3.00	COMP105 Computer Programming	0	2	2.00	1.00	NPRJ225 PRJ 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	NPRJ230 PRJ Navigation I				1.00	
WTRF100 Safety of Life at Sea	1	2	3.00	2.00	LITR201 Literature	3	0	3.00	3.00	NPRJ235 PRJ Navigation Law 1				1.00	
	<b>15</b>	<b>4</b>	<b>19.00</b>	<b>17.00</b>		<b>13</b>	<b>5</b>	<b>18.00</b>	<b>15.00</b>	EPRJ245 PRJ Marine Engine for Deck Project				1.00	
											<b>0</b>	<b>0</b>	<b>0.00</b>	<b>7.00</b>	
<b>Term 7</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 8</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 9</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
NAUT225 Celestial Navigation	3	2	5.00	4.00	NAUT310 Integrated Navigation 3	3	2	5.00	4.00	NPRJ310 PRJ 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	NPRJ315 PRJ 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	NPRJ320 PRJ Seamanship 2				1.50	
BUSN300 Fundamentals of Business Law	3	0	3.00	3.00	BUSN410 Marketing	2	1	3.00	2.50	NPRJ325 PRJ 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	NPRJ330 PRJ Navigation II				2.00	
<b>Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	HIST300 Seminar in U.S. History since 194	2	0	2.00	2.00						
	<b>15</b>	<b>3</b>	<b>18.00</b>	<b>16.50</b>		<b>15</b>	<b>3</b>	<b>18.00</b>	<b>16.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.00</b>	
<b>Term 10</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 11</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 12</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
NPRJ335 PRJ Navigation Law 2				2.00	NAUT460 Bridge Resource Management	1	2	3.00	2.00	NAUT400 License Seminar	0	3	3.00	0.00	
NPRJ340 PRJ 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	
NPRJ345 PRJ Maritime Communications Sea Project				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	
HPRJ300 PRJ Humanities Sea Project				1.00	NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
INSP100 PRJ Internship				1.00	PE&A200 Medical Care Provider	0	2	2.00	1.00	<b>Humanities Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	
					International Business	3	0	3.00	3.00	<b>Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>	<b>Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>						
						<b>13</b>	<b>5</b>	<b>18.00</b>	<b>15.00</b>		<b>12</b>	<b>4</b>	<b>16.50</b>	<b>12.50</b>	
											<b>Total In-Resident Credits</b>				<b>146.00</b>
											<b>Total Credits</b>				<b>167.00</b>

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

<b>Class of 2024 A</b>					<b>Major: Maritime Logistics &amp; Security A</b>										
<b>Term 1</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 2</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 3</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
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											
	<b>16</b>	<b>11</b>	<b>23.50</b>	<b>19.50</b>		<b>14</b>	<b>7</b>	<b>20.50</b>	<b>16.00</b>		<b>17</b>	<b>6</b>	<b>22.50</b>	<b>19.00</b>	
<b>Term 4</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 5</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 6</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
NAUT210 Integrated Navigation 1	3	2	5.00	4.00	NPRJ210 PRJ 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	NPRJ215 PRJ Integrated Navigation Systems 1				1.00	NAUT225 Celestial Navigation	3	2	5.00	4.00	
MLOG200 Integrated Logistics Manageme	3	0	3.00	3.00	NPRJ220 PRJ Seamanship 1				1.00	NAUT230 Navigation Law	2	0	2.00	2.00	
MATH200 Probability & Statistics Business	3	0	3.00	3.00	NPRJ225 PRJ Ship Structure and Stability 1				1.00	COMP105 Computer Programming	0	2	2.00	1.00	
HIST200 Regional Studies	3	0	3.00	3.00	NPRJ230 PRJ Navigation I				1.00	BUSN230 Principles of Management	3	0	3.00	3.00	
NASC200 Strategic Sealift	2	0	2.00	2.00	NPRJ235 PRJ Navigation Law 1				1.00	LITR201 Literature	3	0	3.00	3.00	
	<b>17</b>	<b>2</b>	<b>19.00</b>	<b>18.00</b>	EPRJ245 PRJ Marine Engine for Deck Project	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>7.00</b>		<b>14</b>	<b>6</b>	<b>20.00</b>	<b>17.00</b>	
<b>Term 7</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 8</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 9</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
NAUT220 Liquid Cargo Operations	2	2	4.00	3.00	NPRJ310 PRJ Cargo Operations 2				2.00	NPRJ335 PRJ Navigation Law 2				2.00	
NAUT240 Meteorology	3	0	3.00	3.00	NPRJ315 PRJ Integrated Navigation Systems 2				1.00	NPRJ340 PRJ Maritime Business				1.00	
NAUT270 Maritime Communications-Lowe	2	1	3.00	2.00	NPRJ320 PRJ Seamanship 2				1.50	NPRJ345 PRJ Maritime Communications				1.00	
MLOG310 Vessel Security Officer/Compar	3	0	3.00	3.00	NPRJ325 PRJ Ship Structure and Stability 2				1.50	HPRJ300 PRJ Humanities Sea Project				1.00	
HIST300 Seminar in U.S. History since 194	2	0	2.00	2.00	NPRJ330 PRJ Navigation II				2.00	INSP100 PRJ Internship				1.00	
PE&A200 Medical Care Provider	0	2	2.00	1.00		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>	
	<b>12</b>	<b>5</b>	<b>17.00</b>	<b>14.00</b>											
<b>Term 10</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 11</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 12</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
NAUT310 Integrated Navigation 3	3	2	5.00	4.00	NAUT460 Bridge Resource Management	1	2	3.00	2.00	NAUT400 License Seminar	0	3	3.00	0.00	
NAUT330 The Maritime Regulatory Environ	2	0	2.00	2.00	NAUT470 Maritime Communications, Uppε	2	1	3.00	2.00	ECME480 Marine Engineering for Deck O	2	1	3.50	2.50	
NAUT420 Advanced Firefighting	1	1	2.00	1.50	BUSN420 Maritime Economics	3	0	3.00	3.00	BUSN410 Marketing	2	1	3.00	2.50	
BUSN300 Fundamentals of Business Law	3	0	3.00	3.00	BUSN430 Admiralty and International Law	2	0	2.00	2.00	MLOG450 Capstone Project Seminar	3	0	3.00	3.00	
BUSN310 Accounting & Finance	3	0	3.00	3.00	MLOG425 Maritime Security Research Ser	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	MLOG430 Chartering and Brokerage	3	0	3.00	3.00	<b>Humanities Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	
NASC400 Naval Leadership and Ethics	2	0	2.00	2.00	HIST400 Seminar in National Security Polic	2	0	2.00	2.00						
	<b>17</b>	<b>3</b>	<b>20.00</b>	<b>18.50</b>		<b>16</b>	<b>3</b>	<b>19.00</b>	<b>17.00</b>		<b>12</b>	<b>5</b>	<b>17.50</b>	<b>13.00</b>	
											<b>Total In-Resident Credits</b>				<b>152.00</b>
											<b>Total Credits</b>				<b>173.00</b>

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

<b>Class of 2024 B</b>					<b>Major: Maritime Logistics &amp; Security B</b>										
<b>Term 1</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 2</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 3</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
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											
	<b>16</b>	<b>11</b>	<b>23.50</b>	<b>19.50</b>		<b>14</b>	<b>7</b>	<b>20.50</b>	<b>17.00</b>		<b>16</b>	<b>8</b>	<b>22.50</b>	<b>19.00</b>	
<b>Term 4</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 5</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 6</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
NPRJ210 PRJ Cargo Operations 1				1.00	NAUT215 Integrated Navigation 2	3	2	5.00	4.00	NAUT230 Navigation Law	2	0	2.00	2.00	
NPRJ215 PRJ 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	
NPRJ220 PRJ Seamanship 1				1.00	NAUT225 Celestial Navigation	3	2	5.00	4.00	NAUT310 Integrated Navigation 3	3	2	5.00	4.00	
NPRJ225 PRJ 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	
NPRJ230 PRJ Navigation I				1.00	COMP105 Computer Programming	0	2	2.00	1.00	HIST200 Regional Studies	3	0	3.00	3.00	
NPRJ235 PRJ Navigation Law 1				1.00	BUSN210 Principles of Economics	3	0	3.00	3.00	NASC200 Strategic Sealift	2	0	2.00	2.00	
EPRJ245 PRJ Marine Engine for Deck Project				1.00											
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>7.00</b>		<b>14</b>	<b>8</b>	<b>22.00</b>	<b>18.00</b>		<b>15</b>	<b>3</b>	<b>18.00</b>	<b>16.00</b>	
<b>Term 7</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 8</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 9</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
NPRJ310 PRJ Cargo Operations 2				2.00	NPRJ335 PRJ Navigation Law 2				2.00	NAUT460 Bridge Resource Management	1	2	3.00	2.00	
NPRJ315 PRJ Integrated Navigation Systems 2				1.00	NPRJ340 PRJ Maritime Business				1.00	BUSN230 Principles of Management	3	0	3.00	3.00	
NPRJ320 PRJ Seamanship 2				1.50	NPRJ345 PRJ Maritime Communications Sea Project				1.00	MLOG200 Integrated Logistics Managem	3	0	3.00	3.00	
NPRJ325 PRJ Ship Structure and Stability 2				1.50	HPRJ300 PRJ Humanities Sea Project				1.00	MATH200 Probability & Statistics Busines	3	0	3.00	3.00	
NPRJ330 PRJ Navigation II				2.00	INSP100 PRJ Internship				1.00	HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00	
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>	LITR201 Literature	3	0	3.00	3.00	
											<b>15</b>	<b>2</b>	<b>17.00</b>	<b>16.00</b>	
<b>Term 10</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 11</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 12</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
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 Lav	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	<b>Humanities Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	
NASC400 Naval Leadership & Ethics	2	0	2.00	2.00											
PE&A200 Medical Care Provider	0	2	2.00	1.00											
	<b>15</b>	<b>5</b>	<b>20.00</b>	<b>17.00</b>		<b>17</b>	<b>0</b>	<b>17.00</b>	<b>17.00</b>		<b>12</b>	<b>4</b>	<b>16.50</b>	<b>12.50</b>	
											<b>Total In-Resident Credits</b>				<b>152.00</b>
											<b>Total Credits</b>				<b>173.00</b>

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

Class of 2024 C					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											
	<b>16</b>	<b>11</b>	<b>23.50</b>	<b>19.50</b>		<b>14</b>	<b>7</b>	<b>20.50</b>	<b>17.00</b>		<b>15</b>	<b>6</b>	<b>19.50</b>	<b>17.00</b>	
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	NPRJ210 PRJ Cargo Operations 1				1.00	
NAUT240 Meteorology	3	0	3.00	3.00	NAUT230 Navigation Law	2	0	2.00	2.00	NPRJ215 PRJ 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	NPRJ220 PRJ Seamanship 1				1.00	
BUSN210 Principles of Economics	3	0	3.00	3.00	COMP105 Computer Programming	0	2	2.00	1.00	NPRJ225 PRJ 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	NPRJ230 PRJ Navigation I				1.00	
WTRF100 Safety of Life at Sea	1	2	3.00	2.00	LITR201 Literature	3	0	3.00	3.00	NPRJ235 PRJ Navigation Law 1				1.00	
	<b>15</b>	<b>4</b>	<b>19.00</b>	<b>17.00</b>		<b>13</b>	<b>5</b>	<b>18.00</b>	<b>15.00</b>	EPRJ245 PRJ Marine Engine for Deck Project				1.00	
											<b>0</b>	<b>0</b>	<b>0.00</b>	<b>7.00</b>	
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	NPRJ310 PRJ 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	NPRJ315 PRJ Integrated Navigation Systems 2				1.00	
NAUT420 Advanced Firefighting	1	1	2.00	1.50	BUSN310 Accounting & Finance	3	0	3.00	3.00	NPRJ320 PRJ Seamanship 2				1.50	
BUSN230 Principles of Management	3	0	3.00	3.00	BUSN410 Marketing	2	1	3.00	2.50	NPRJ325 PRJ 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	NPRJ330 PRJ 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											
	<b>17</b>	<b>3</b>	<b>20.00</b>	<b>18.50</b>		<b>16</b>	<b>3</b>	<b>19.00</b>	<b>17.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.00</b>	
Term 10	C	L	CHr	CR	Term 11	C	L	CHr	CR	Term 12	C	L	CHr	CR	
NPRJ335 PRJ Navigation Law 2				2.00	NAUT460 Bridge Resource Management	1	2	3.00	2.00	NAUT400 License Seminar	0	3	3.00	0.00	
NPRJ340 PRJ 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	
NPRJ345 PRJ Maritime Communications Sea Project				1.00	BUSN420 Maritime Economics	3	0	3.00	3.00	BUSN430 Admiralty and International Law	2	0	2.00	2.00	
HPRJ300 PRJ Humanities Sea Project				1.00	MLOG425 Maritime Security Research Ser	3	0	3.00	3.00	MLOG450 Capstone Project Seminar	3	0	3.00	3.00	
INSP100 PRJ 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	<b>Humanities Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	
					NASC400 Naval Leadership & Ethics	2	0	2.00	2.00						
					PE&A200 Medical Care Provider	0	2	2.00	1.00						
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>		<b>16</b>	<b>5</b>	<b>21.00</b>	<b>18.00</b>		<b>12</b>	<b>4</b>	<b>16.50</b>	<b>12.50</b>	
											<b>Total In-Resident Credits</b>				<b>152.00</b>
											<b>Total Credits</b>				<b>173.00</b>

<b>Class of 2024 A</b>					<b>Major: Marine Engineering A</b>														
<b>Term 1</b>					<b>Term 2</b>				<b>Term 3</b>				<b>Term 4</b>						
<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>			
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	ECES100 Statics	3	0	3	3.00
ECME101 Introduction to Marine Engineering	3	3	4.50	3.50	ECMT100 Engineering Graphics	0	2	2.00	1.00	ECMT112 Engineering Shop II	0	3	3.00	1.00	NAUT110 Basic Firefighting and Safety	2	0	2.00	2.00
MATH101 Calculus I	3	0	3.00	3.00	ECMT111 Engineering Shop I	0	3	3.00	1.00	BUSN101 Principles of Leadership	1	0	1.00	1.00	MATH240 Introduction to Differential Equations	3	0	3.00	3.00
PHYS110 Physics 1	3	2	4.50	3.00	MATH140 Calculus 2 Engine	3	0	3.00	3.00	CHEM100 General Chemistry	3	2	5.00	4.00	PE&A130 Aquatic Survival	0	2	2.00	1.00
HIST100 History of Sea Power	3	0	3.00	3.00	PHYS120 Physics 2	3	2	4.50	3.00	PE&A125 Self Defense Tactics	0	2	1.00	0.50	MLOG120 VPDS	0	1	1.00	0.00
PE&A110 Basic Swimming	0	2	2.00	1.00	LITR101 Composition & Literature	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										
CMDT100 Social Responsibility				0.00															
	<b>16</b>	<b>9</b>	<b>23.00</b>	<b>18.50</b>		<b>12</b>	<b>13</b>	<b>21.50</b>	<b>15.50</b>		<b>15</b>	<b>11</b>	<b>24.50</b>	<b>18.50</b>					
<b>Term 5</b>					<b>Term 6</b>				<b>Term 7</b>										
<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>			
ECES201 Thermodynamics	3	0	3.00	3.00	EPRJ210 PRJ Machine Shop Sea Project			1.00	ECEE200 Electric Circuits	2	2	3.00	2.50	ECES220 Introduction to Materials Engineering	2	0	2.00	2.00	
ECES211 Dynamics	2	1	2.00	2.50	EPRJ230 PRJ Main Propulsion 1 Sea Project			2.00	ECES221 Introduction to Materials Engineering	0	2	1.00	0.50	COMP105 Computer Programming	0	2	1.00	1.00	
ECES230 Fluid Mechanics	3	2	4.00	3.50	EPRJ240 PRJ Shipboard Systems 1 Sea Project			2.00	MATH215 Probability & Statistics Engineering	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	NPRJ245 PRJ Deck Operations			1.00	LITR201 Literature	3	0	3.00	3.00						
BUSN210 Principles of Economics	3	0	3.00	3.00															
WRIT110 Technical & Professional Communication	2	0	2	2.00															
NASC200 Strategic Sealift	2	0	2.00	2.00															
WTRF100 Safety of Life at Sea	1	2	3.00	2.00															
	<b>18</b>	<b>6</b>	<b>21.00</b>	<b>20.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>		<b>13</b>	<b>6</b>	<b>16.00</b>	<b>15.00</b>					
<b>Term 8</b>					<b>Term 9</b>				<b>Term 10</b>										
<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>			
ECDL400 Basic Tanker Operations-Dangerous Goods	2	0	2.00	2.00	EPRJ310 PRJ Maintenance Management			1.00	EPRJ350 PRJ Marine Propulsion 3 Sea Project			2.50	ECME460 Marine Engineering License Semester	1	2	3.00	0.50		
ECEE300 Electric Machines	3	2	4.00	3.50	EPRJ320 PRJ Naval Arch Sea Project			1.00	NPRJ340 PRJ Maritime Business			1.00	ECES402 Machine Elements	2	1	2.00	2.50		
ECES300 Strength of Materials	3	2	4.00	3.50	EPRJ330 PRJ Marine Propulsion 2 Sea Project			2.50	HPRJ300 PRJ Humanities Sea Project			1.00	NAUT420 Advanced Firefighting	1	1	2.00	1.50		
ECES310 Heat Transfer	3	0	3.00	3.00	EPRJ335 PRJ Refrigeration Sea Project			1.00	INSP100 PRJ Internship			1.00	HIST400 Seminar in National Security Policy	2	0	2.00	2.00		
HIST300 Seminar in U.S. History since 1945	2	0	2.00	2.00	EPRJ340 PRJ Shipboard Systems II Sea Project			2.00					NASC410 Naval Science Senior Seminar	2	0	2.00	2.00		
NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	EPRJ345 PRJ Electrical Engineering Sea Project			1.00					PE&A200 Medical Care Provider	0	2	2.00	1.00		
	<b>15</b>	<b>4</b>	<b>17.00</b>	<b>16.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>5.50</b>					
<b>Term 11</b>					<b>Term 12</b>				<b>Term 13</b>										
<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>			
ECME400 Marine Steam Plants and Components	3	3	4.50	3.50	ECEE400 Electronics	2	1	3.00	2.50	ECME460 Marine Engineering License Semester	1	2	3.00	0.50	ECES402 Machine Elements	2	1	2.00	2.50
ECME410 Marine Steam Plant Simulator	0	3	1.50	0.50	ECEN400 Marine Engineering Management	1	2	3.00	2.00	NAUT420 Advanced Firefighting	1	1	2.00	1.50	HIST400 Seminar in National Security Policy	2	0	2.00	2.00
ECME420 Internal Combustion Engines	3	3	4.50	3.50	ECME450 Gas Turbines and marine Auxiliaries	3	3	4.50	3.50	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	PE&A200 Medical Care Provider	0	2	2.00	1.00
ECME431 Marine Refrigeration	2	3	3.50	2.50	ECME470 Marine Plant Automation and Control	2	3	3.50	2.50	<b>Free Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>					
ECME440 Engine Room Resource Management	0	4	4.00	1.00	ECNA401 Naval Architecture for Marine Engineers	3	0	2.50	2.50										
<b>Free Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	<b>Free Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>										
	<b>11</b>	<b>16</b>	<b>21.00</b>	<b>14.00</b>		<b>14</b>	<b>9</b>	<b>19.50</b>	<b>16.00</b>		<b>11</b>	<b>6</b>	<b>16.00</b>	<b>12.50</b>					
<b>Total In-Resident Credits</b>													<b>146.00</b>						
<b>Total Credits</b>													<b>166.00</b>						

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

<b>Class of 2024 B</b>					<b>Major: Marine Engineering B</b>										
<b>Term 1</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 2</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 3</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
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	MATH240 Introduction to Differential Equ	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	
	<b>16</b>	<b>9</b>	<b>23.00</b>	<b>18.50</b>		<b>12</b>	<b>12</b>	<b>22.00</b>	<b>16.50</b>		<b>15</b>	<b>13</b>	<b>26.50</b>	<b>19.50</b>	
<b>Term 4</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 5</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 6</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
EPRJ210 PRJ Machine Shop Sea Project				1.00	ECES201 Thermodynamics	3	0	3.00	3.00	ECDL400 Basic Tanker Operations-Dang	2	0	2.00	2.00	
EPRJ230 PRJ Main Propulsion 1 Sea Project				2.00	ECES211 Dynamics	2	1	2.00	2.50	ECEE200 Electric Circuits	2	2	3.00	2.50	
EPRJ240 PRJ Shipboard Systems 1 Sea Project				2.00	MATH215 Probability & Statistics Engineer	3	0	3.00	3.00	ECES220 Introduction to Materials Engine	2	0	2.00	2.00	
NPRJ245 PRJ 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	1.00	1.00	
					NASC200 Strategic Sealift	2	0	2.00	2.00	BUSN210 Principles of Economics	3	0	3.00	3.00	
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>		<b>17</b>	<b>2</b>	<b>17.00</b>	<b>17.50</b>		<b>12</b>	<b>8</b>	<b>16.00</b>	<b>14.50</b>	
<b>Term 7</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 8</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 9</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
EPRJ310 PRJ Maintenance Management				1.00	EPRJ350 PRJ Marine Propulsion 3 Sea Project				2.50	ECEE300 Electric Machines	3	2	4.00	3.50	
EPRJ320 PRJ Naval Arch Sea Project				1.00	NPRJ 340 PRJ Maritime Business				1.00	ECES300 Strength of Materials	3	2	4.00	3.50	
EPRJ330 PRJ Marine Propulson 2 Sea Project				2.50	HPRJ 300 PRJ Humanities Sea Project				1.00	ECES310 Heat Transfer	3	0	3.00	3.00	
EPRJ335 PRJ Refrigeration Sea Project				1.00	INSP100 PRJ Internship				1.00	HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00	
EPRJ340 PRJ Shipboard Systems II Sea Project				2.00						LITR201 Literature	3	0	3.00	3.00	
EPRJ345 PRJ Electrical Engineering Sea Project				1.00						NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>5.50</b>		<b>16</b>	<b>4</b>	<b>18.00</b>	<b>17.00</b>	
<b>Term 10</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 11</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 12</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
ECME400 Marine Steam Plants and Comp	3	3	4.50	3.50	ECEE400 Electronics	2	1	3.00	2.50	ECES402 Machine Elements	2	1	2.00	2.50	
ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	ECEM400 Marine Engineering Managemen	1	2	3.00	2.00	ECME460 Marine Engineering License St	1	2	3.00	0.50	
ECME420 Internal Combustion Engines	3	3	4.50	3.50	ECME450 Gas Turbines and marine Auxili	3	3	4.50	3.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50	
ECME431 Marine Refrigeration	2	3	3.50	2.50	ECME470 Marine Plant Automation and Cr	2	3	3.50	2.50	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
ECME440 Engine Room Resource Manag	0	4	4.00	1.00	ECNA401 Naval Architecture for Marine Er	3	0	2.50	2.50	HIST400 Seminar in National Security Po	2	0	2.00	2.00	
<b>Free Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	<b>Free Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	PE&A200 Medical Care Provider	0	2	2.00	1.00	
										<b>Free Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	
	<b>11</b>	<b>16</b>	<b>21.00</b>	<b>14.00</b>		<b>14</b>	<b>9</b>	<b>19.50</b>	<b>16.00</b>		<b>11</b>	<b>6</b>	<b>16.00</b>	<b>12.50</b>	
											<b>Total In-Resident Credits</b>				<b>146.00</b>
											<b>Total Credits</b>				<b>166.00</b>



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

<b>Class of 2024 C</b>					<b>Major: Marine Engineering C</b>									
<b>Term 1</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 2</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 3</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>
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	MATH240 Introduction to Differential Equal	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					
	<b>16</b>	<b>9</b>	<b>23.00</b>	<b>18.50</b>		<b>11</b>	<b>14</b>	<b>23.00</b>	<b>16.50</b>		<b>16</b>	<b>4</b>	<b>21.50</b>	<b>17.50</b>
<b>Term 4</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 5</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 6</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>
ECES201 Thermodynamics	3	0	3.00	3.00	ECEE200 Electric Circuits	2	2	3.00	2.50	EPRJ210 PRJ Machine Shop Sea Project				1.00
ECES211 Dynamics	2	1	2.00	2.50	ECES220 Introduction to Materials Enginee	2	0	2.00	2.00	EPRJ230 PRJ Main Propulsion 1 Sea Project				2.00
MATH215 Probability & Statistics Engineer	3	0	3.00	3.00	ECES221 Introduction to Materials Enginee	0	2	1.00	0.50	EPRJ240 PRJ Shipboard Systems 1 Sea Project				2.00
CHEM210 Selected Topics in Chemistry fo	2	1	2.00	2.50	ECES230 Fluid Mechanics	3	2	4.00	3.50	NPRJ245 PRJ Deck Operations				1.00
HIST200 Regional Studies	3	0	3.00	3.00	COMP105 Computer Programming	0	2	1.00	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					
	<b>16</b>	<b>4</b>	<b>18.00</b>	<b>18.00</b>		<b>12</b>	<b>8</b>	<b>17.00</b>	<b>14.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>
<b>Term 7</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 8</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 9</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>
ECDL400 Basic Tanker Operations-Dange	2	0	2.00	2.00	ECME400 Marine Steam Plants and Comp	3.00	3	4.50	3.50	EPRJ310 PRJ Maintenance Management				1.00
ECEE300 Electric Machines	3	2	4.00	3.50	ECME410 Marine Steam Plant Simulation	0.00	3	1.50	0.50	EPRJ320 PRJ Naval Arch Sea Project				1.00
ECES300 Strength of Materials	3	2	4.00	3.50	ECME420 Internal Combustion Engines	3.00	3	4.50	3.50	EPRJ330 PRJ Marine Propulson 2 Sea Project				2.50
ECES310 Heat Transfer	3	0	3.00	3.00	ECME431 Marine Refrigeration	2.00	3	3.50	2.50	EPRJ335 PRJ Refrigeration Sea Project				1.00
HIST300 Seminar in U.S. History since 194	2	0	2.00	2.00	ECME440 Engine Room Resource Manag	0.00	4	4.00	1.00	EPRJ340 PRJ Shipboard Systems II Sea Project				2.00
NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	BUSN210 Principles of Economics	3.00	0	3.00	3.00	EPRJ345 PRJ Electrical Engineering Sea Project				1.00
<b>Free Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>										
	<b>18</b>	<b>4</b>	<b>20.00</b>	<b>19.00</b>		<b>11</b>	<b>16</b>	<b>21.00</b>	<b>14.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.50</b>
<b>Term 10</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 11</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 12</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>
EPRJ350 PRJ Marine Propulsion 3 Sea Project				2.50	ECEE400 Electronics	2	1	3.00	2.50	ECES402 Machine Elements	2	1	2.00	2.50
NPRJ340 PRJ Maritime Business				1.00	ECEM400 Marine Engineering Managemen	1	2	3.00	2.00	ECME460 Marine Engineering License Ser	1	2	3.00	0.50
HPRJ300 PRJ Humanities Sea Project				1.00	ECME450 Gas Turbines and marine Auxili	3	3	4.50	3.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50
INSP100 PRJ Internship				1.00	ECME470 Marine Plant Automation and Co	2	3	3.50	2.50	HIST400 Seminar in National Security Poli	2	0	2.00	2.00
					ECNA401 Naval Architecture for Marine Er	3	0	2.50	2.50	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00
					<b>Free Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	PE&A200 Medical Care Provider	0	2	2.00	1.00
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>5.50</b>		<b>14</b>	<b>9</b>	<b>19.50</b>	<b>16.00</b>	<b>Free Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>
											<b>11</b>	<b>6</b>	<b>16.00</b>	<b>12.50</b>
<b>Total In-Resident Credits</b>													<b>146.50</b>	
<b>Total Credits</b>													<b>166.50</b>	

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

<b>Class of 2024 A</b>					<b>Major: Marine Engineering Systems A</b>										
<b>Term 1</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 2</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 3</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
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	MATH240 Introduction to Differential Equations	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	
	<b>16</b>	<b>9</b>	<b>23.00</b>	<b>18.50</b>		<b>12</b>	<b>13</b>	<b>21.50</b>	<b>15.50</b>	MLOG120 VPDS	0	1	1.00	0.00	
											<b>16</b>	<b>7</b>	<b>23.00</b>	<b>18.50</b>	
<b>Term 4</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 5</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 6</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
ECES201 Thermodynamics	3	0	3.00	3.00	EPRJ210 PRJ Machine Shop Sea Project				1.00	ECEE200 Electric Circuits	2	2	3.00	2.50	
ECES211 Dynamics	2	1	2.00	2.50	EPRJ230 PRJ Main Propulsion 1 Sea Project				2.00	ECES220 Introduction to Materials Engineering	2	0	2.00	2.00	
ECES230 Fluid Mechanics	3	2	4.00	3.50	EPRJ240 PRJ Shipboard Systems 1 Sea Project				2.00	ECES221 Introduction to Materials Engineering	0	2	1.00	0.50	
MATH215 Probability & Statistics Engineer	3	0	3.00	3.00	NPRJ245 PRJ 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	1.00	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											
	<b>19</b>	<b>9</b>	<b>24.50</b>	<b>22.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>		<b>15</b>	<b>5</b>	<b>17.00</b>	<b>16.00</b>	
<b>Term 7</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 8</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 9</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
ECDL400 Basic Tanker Operations-Danger	2	0	2.00	2.00	EPRJ310 PRJ Maintenance Management				1.00	EPRJ350 PRJ Marine Propulsion 3 Sea Project				2.50	
ECEE300 Electric Machines	3	2	4.00	3.50	EPRJ320 PRJ Naval Arch Sea Project				1.00	NPRJ340 PRJ Maritime Business				1.00	
ECES300 Strength of Materials	3	0	3.00	3.00	EPRJ330 PRJ Marine Propulsion 2 Sea Project				2.50	HPRJ300 PRJ Humanities Sea Project				1.00	
ECES310 Heat Transfer	3	2	4.00	3.50	EPRJ335 PRJ Refrigeration Sea Project				1.00	INSP100 PRJ Internship				1.00	
MATH320 Differential Equations 2	3	0	3.00	3.00	EPRJ340 PRJ Shipboard Systems II Sea Project				2.00						
HIST300 Seminar in U.S. History since 1945	2	0	2.00	2.00	EPRJ345 PRJ Electrical Engineering Sea Project				1.00						
LITR201 Literature	3	0	3.00	3.00											
	<b>19</b>	<b>4</b>	<b>21.00</b>	<b>20.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>5.50</b>	
<b>Term 10</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 11</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 12</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
ECES402 Machine Elements	2	1	2.00	2.50	ECEM400 Marine Engineering Management	1	2	3.00	2.00	ECEE400 Electronics	2	1	3.00	2.50	
ECME400 Marine Steam Plants and Components	3	3	4.50	3.50	ECME450 Gas Turbines and marine Auxiliaries	3	3	4.50	3.50	ECME460 Marine Engineering License Series	1	2	3.00	0.50	
ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	ECME470 Marine Plant Automation and Control	2	3	3.50	2.50	ESME420 Capstone 3	1	1	1.5	1.50	
ECME420 Internal Combustion Engines	3	3	4.50	3.50	ECNA401 Naval Architecture for Marine Engineers	3	0	2.50	2.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50	
ECME431 Marine Refrigeration	2	3	3.50	2.50	ESME410 Capstone 2	1	1	2.50	2.00	HIST400 Seminar in National Security Policy	2	0	2.00	2.00	
ECME440 Engine Room Resource Management	0	4	4.00	1.00	NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
EREM300 Engineering Economics	3	0	3.00	3.00	PE&A200 Medical Care Provider	0	2	1	1.00	<b>EEXX XXX Engineering Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	
ESME400 Capstone 1	1	1	2.00	2.00											
	<b>14</b>	<b>18</b>	<b>25.00</b>	<b>18.50</b>		<b>12</b>	<b>11</b>	<b>19.00</b>	<b>15.50</b>		<b>12</b>	<b>5</b>	<b>16.50</b>	<b>13.00</b>	
											<b>Total In-Resident Credits</b>				<b>157.50</b>
											<b>Total Credits</b>				<b>177.50</b>

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

<b>Class of 2024 B</b>					<b>Major: Marine Engineering Systems B</b>										
<b>Term 1</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 2</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 3</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
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	MATH240 Introduction to Differential Equ	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	
	<b>16</b>	<b>9</b>	<b>23.00</b>	<b>18.50</b>		<b>12</b>	<b>12</b>	<b>22.00</b>	<b>16.50</b>		<b>18</b>	<b>14</b>	<b>30.50</b>	<b>19.50</b>	
<b>Term 4</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 5</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 6</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
EPRJ210 PRJ Machine Shop Sea Project				1.00	ECES201 Thermodynamics	3	0	3.00	3.00	ECEE200 Electric Circuits	2	2	3.00	2.50	
EPRJ230 PRJ Main Propulsion 1 Sea Project				2.00	ECES211 Dynamics	2	1	2.00	2.50	ECES220 Introduction to Materials Engine	2	0	2.00	2.00	
EPRJ240 PRJ Shipboard Systems 1 Sea Project				2.00	ECDL400 Basic Tanker Operations-Dang	2	0	2.00	2.00	ECES221 Introduction to Materials Engine	0	2	1.00	0.50	
NPRJ245 PRJ Deck Operations				1.00	MATH215 Probability & Statistics Engine	3	0	3.00	3.00	ECES230 Fluid Mechanics	3	2	4.00	3.50	
					COMP105 Computer Programming	0	2	1.00	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	
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>		<b>15</b>	<b>3</b>	<b>16.00</b>	<b>16.50</b>	NASC200 Strategic Sealift	2	0	2.00	2.00	
											<b>18</b>	<b>8</b>	<b>22.50</b>	<b>19.50</b>	
<b>Term 7</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 8</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 9</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
EPRJ310 PRJ Maintenance Management				1.00	EPRJ350 PRJ Marine Propulsion 3 Sea Project				2.50	ECEE300 Electric Machines	3	2	4.00	3.50	
EPRJ320 PRJ Naval Arch Sea Project				1.00	NPRJ340 PRJ Maritime Business				1.00	ECES300 Strength of Materials	3	2	4.00	3.50	
EPRJ330 PRJ Marine Propulson 2 Sea Project				2.50	HPRJ300 PRJ Humanities Sea Project				1.00	ECES310 Heat Transfer	3	0	3.00	3.00	
EPRJ335 PRJ Refrigeration Sea Project				1.00	INSP100 PRJ Internship				1.00	MATH320 Differential Equations 2	3	0	3.00	3.00	
EPRJ340 PRJ Shipboard Systems II Sea Project				2.00						CHEM210 Selected Topics in Chemistry f	2	1	2.00	2.00	
EPRJ345 PRJ Electrical Engineering Sea Project				1.00						HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00	
										LITR201 Literature	3	0	3.00	3.00	
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>5.50</b>		<b>19</b>	<b>5</b>	<b>21.00</b>	<b>20.00</b>	
<b>Term 10</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 11</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 12</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
ECES402 Machine Elements	2	1	2.00	2.50	ECEM400 Marine Engineering Managem	1	2	3.00	2.00	ECEE400 Electronics	2	1	3.00	2.50	
ECME400 Marine Steam Plants and Comp	3	3	4.50	3.50	ECME450 Gas Turbines and marine Aux	3	3	4.50	3.50	ECME460 Marine Engineering License S	1	2	3.00	0.50	
ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	ECME470 Marine Plant Automation and C	2	3	3.50	2.50	ESME420 Capstone 3	1	1	1.50	1.50	
ECME420 Internal Combustion Engines	3	3	4.50	3.50	ECNA401 Naval Architecture for Marine E	3	0	2.50	2.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50	
ECME431 Marine Refrigeration	2	3	3.50	2.50	ESME410 Capstone 2	1	1	2.00	2.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
ECME440 Engine Room Resource Manag	0	4	4.00	1.00	NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	PE&A200 Medical Care Provider	1	1	2.00	1.00	
EREM300 Engineering Economics	3	0	3.00	3.00	HIST400 Seminar in National Security Po	2	0	2.00	2.00	<b>EEXX XXX Engineering Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>	
ESME400 Capstone 1	1	1	2.00	2.00											
	<b>14</b>	<b>18</b>	<b>25.00</b>	<b>18.50</b>		<b>14</b>	<b>9</b>	<b>19.50</b>	<b>16.50</b>		<b>11</b>	<b>6</b>	<b>16.50</b>	<b>12.00</b>	
											<b>Total In-Resident Credits</b>				<b>157.50</b>
											<b>Total Credits</b>				<b>177.50</b>

<b>Class of 2024 C</b>										<b>Major: Marine Engineering Systems C</b>							
<b>Term 1</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 2</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 3</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>
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	MATH240 Introduction to Differential Equi	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								
	<b>16</b>	<b>9</b>	<b>23.00</b>	<b>18.50</b>		<b>11</b>	<b>14</b>	<b>23.00</b>	<b>16.50</b>		<b>16</b>	<b>4</b>	<b>21.50</b>	<b>17.50</b>			
<b>Term 4</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 5</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 6</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>
ECES201 Thermodynamics	3	0	3.00	3.00	ECEE200 Electric Circuits	2	2	3.00	2.50	EPRJ210 PRJ Machine Shop Sea Project					1.00		
ECES211 Dynamics	2	1	2.00	2.50	ECES220 Introduction to Materials Enginee	2	0	2.00	2.00	EPRJ230 PRJ Main Propulsion 1 Sea Project					2.00		
MATH215 Probability & Statistics Engineer	3	0	3.00	3.00	ECES221 Introduction to Materials Enginee	0	2	1.00	0.50	EPRJ240 PRJ Shipboard Systems 1 Sea Project					2.00		
PHYS230 Physics 3	3	2	4.50	3.00	ECES230 Fluid Mechanics	3	2	4.00	3.50	NPRJ245 PRJ Deck Operations					1.00		
COMP105 Computer Programming	0	2	1.00	1.00	MATH305 Calculus 3	3	0	3.00	3.00								
WRIT110 Technical & Professional Comr	2	0	2	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													
	<b>16</b>	<b>7</b>	<b>20.50</b>	<b>18.50</b>		<b>15</b>	<b>7</b>	<b>18.00</b>	<b>16.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>			
<b>Term 7</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 8</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 9</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>
ECDL400 Basic Tanker Operations-Dange	2	0	2.00	2.00	ECES402 Machine Elements	2	1	2.00	2.50	EPRJ310 PRJ Maintenance Management					1.00		
ECEE300 Electric Machines	3	2	4.00	3.50	ECME400 Marine Steam Plants and Comp	3	3	4.50	3.50	EPRJ320 PRJ Naval Arch Sea Project					1.00		
ECES300 Strength of Materials	3	2	4.00	3.50	ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	EPRJ330 PRJ Marine Propulson 2 Sea Project					2.50		
ECES310 Heat Transfer	3	0	3.00	3.00	ECME420 Internal Combustion Engines	3	3	4.50	3.50	EPRJ335 PRJ Refrigeration Sea Project					1.00		
EREM300 Engineering Economics	3	0	3.00	3.00	ECME431 Marine Refrigeration	2	3	3.50	2.50	EPRJ340 PRJ Shipboard Systems II Sea Project					2.00		
ESME400 Capstone 1	1	1	2.00	2.00	ECME440 Engine Room Resource Manag	0	4	4.00	1.00	EPRJ345 PRJ Electrical Engineering Sea Project					1.00		
LITR201 Literature	3	0	3.00	3.00	MATH320 Differential Equations 2	3	0	3.00	3.00								
					HIST300 Seminar in U.S. History since 194	2	0	2.00	2.00								
	<b>18</b>	<b>5</b>	<b>21.00</b>	<b>20.00</b>		<b>15</b>	<b>17</b>	<b>25.00</b>	<b>18.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.50</b>			
<b>Term 10</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 11</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 12</b>		<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>
EPRJ350 PRJ Marine Propulsion 3 Sea Project				2.50	ECEM400 Marine Engineering Managemel	1	2	3.00	2.00	ECEE400 Electronics	2	1	3.00	2.50			
NPRJ340 PRJ Maritime Business				1.00	ECME450 Gas Turbines and marine Auxili	3	3	4.50	3.50	ESME420 Capstone 3	1	1	1.50	1.50			
HPRJ300 PRJ Humanities Sea Project				1.00	ECME470 Marine Plant Automation and Cr	2	3	3.50	2.50	ECME460 Marine Engineering License St	1	2	3.00	0.50			
INSP100 PRJ Internship				1.00	ECNA401 Naval Architecture for Marine Er	3	0	2.50	2.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50			
					ESME410 Capstone 2	1	1	2.00	2.00	BUSN 210 Principles of Economics	3	0	3.00	3.00			
					NASC400 Naval Leadership & Ethics	2	0	2.00	2.00	HIST400 Seminar in National Security Po	2	0	2.00	2.00			
					PE&A200 Medical Care Provider	1	1	2	1.00	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00			
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>5.50</b>		<b>13</b>	<b>10</b>	<b>19.50</b>	<b>15.50</b>	<b>EEXX XXX Engineering Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>			
											<b>15</b>	<b>5</b>	<b>19.50</b>	<b>16.00</b>			
													<b>Total In-Resident Credits</b>			<b>157.50</b>	
													<b>Total Credits</b>			<b>177.50</b>	

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

<b>Class of 2024 A</b>					<b>Major: Marine Engineering Shipyard Management A</b>										
<b>Term 1</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 2</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 3</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
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	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	MATH240 Introduction to Differential Equi	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	
	<b>16</b>	<b>9</b>	<b>23.00</b>	<b>18.50</b>		<b>12</b>	<b>13</b>	<b>21.50</b>	<b>15.50</b>	MLOG120 VPDS	0	1	1.00	0.00	
											<b>16</b>	<b>7</b>	<b>23.00</b>	<b>18.50</b>	
<b>Term 4</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 5</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 6</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
ECES201 Thermodynamics	3	0	3.00	3.00	EPRJ210 PRJ Machine Shop Sea Project				1.00	ECEE200 Electric Circuits	2	2	3.00	2.50	
ECES211 Dynamics	2	1	2.00	2.50	EPRJ230 PRJ Main Propulsion 1				2.00	ECES220 Introduction to Materials Engin	2	0	2.00	2.00	
MATH215 Probability & Statistics Engineer	3	0	3.00	3.00	EPRJ240 PRJ Shipboard Systems 1				2.00	ECES221 Introduction to Materials Engin	0	2	1.00	0.50	
MATH305 Calculus 3	3	0	3.00	3.00	NPRJ245 PRJ 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 f	2	1	2.00	2.00	
WTRF100 Safety of Life at Sea	1	2	3.00	2.00						COMP105 Computer Programming	0	2	1.00	1.00	
	<b>17</b>	<b>3</b>	<b>19.00</b>	<b>18.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>	LITR201 Literature	3	0	3.00	3.00	
											<b>15</b>	<b>9</b>	<b>19.00</b>	<b>17.50</b>	
<b>Term 7</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 8</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 9</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
ECDL400 Basic Tanker Operations-Dange	2	0	2.00	2.00	EPRJ310 PRJ Maintenance				1.00	EPRJ350 PRJ Marine Propulsion 3				2.50	
ECEE300 Electric Machines	3	2	4.00	3.50	EPRJ320 PRJ Naval Arch Sea Project				1.00	NPRJ340 PRJ Maritime Business				1.00	
ECES300 Strength of Materials	3	0	3.00	3.00	EPRJ330 PRJ Marine Propulson 2				2.50	HPRJ300 PRJ Humanities Sea Project				1.00	
ECES310 Heat Transfer	3	2	4.00	3.50	EPRJ335 PRJ Refrigeration Sea Project				1.00	INSP100 PRJ Internship				1.00	
MATH330 Operations Research 2	3	0	3.00	3.00	EPRJ340 PRJ Shipboard Systems II Sea Project				2.00	EPRJ400 PRJ Shipyard Internship				2.00	
HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00	EPRJ345 PRJ Electrical Engineering Sea Project				1.00						
WRIT110 Technical & Professional Comr	2	0	2	2.00											
	<b>18</b>	<b>4</b>	<b>20.00</b>	<b>19.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>7.50</b>	
<b>Term 10</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 11</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 12</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
ECEE400 Electronics	2	1	3.00	2.50	ECEM400 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 Co	3	3	3.50	2.50	BUSN210 Principles of Economics	3	0	3.00	3.00	
ECME431 Marine Refrigeration	2	3	3.50	2.50	ECES402 Machine Elements	2	1	2.00	2.50	HIST400 National Security/ Strategy	2	0	2.00	2.00	
EMEM405 Engineering Project Manageme	3	1	3.50	3.50	ECNA401 Naval Architecture for Marine Er	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	EMEM415 Engineering Project Manageme	3	1	3.50	3.50	PE&A200 Medical Care Provider	0	2	2.00	1.00	
	<b>16</b>	<b>14</b>	<b>23.50</b>	<b>19.00</b>	NASC400 Naval Leadership & Ethics	2	0	2.00	2.00						
						<b>17</b>	<b>14</b>	<b>25.00</b>	<b>19.50</b>		<b>10</b>	<b>7</b>	<b>16.00</b>	<b>12.00</b>	
											<b>Total In-Resident Credits</b>				<b>158.00</b>
											<b>Total Credits</b>				<b>180.00</b>

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

<b>Class of 2024 B</b>					<b>Major: Marine Engineering Shipyard Management B</b>										
<b>Term 1</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 2</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 3</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
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	MATH240 Introduction to Differential Equi	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	
	<b>16</b>	<b>9</b>	<b>23.00</b>	<b>18.50</b>		<b>12</b>	<b>12</b>	<b>22.00</b>	<b>16.50</b>		<b>15</b>	<b>13</b>	<b>26.50</b>	<b>19.50</b>	
<b>Term 4</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 5</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 6</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
EPRJ210 PRJ Machine Shop Sea Project				1.00	ECDL400 Basic Tanker Operations-Dange	2	0	2.00	2.00	ECEE200 Electric Circuits	2	2	3.00	2.50	
EPRJ230 PRJ Main Propulsion 1 Sea Project				2.00	ECES201 Thermodynamics	3	0	3.00	3.00	ECES220 Introduction to Materials Engine	2	0	2.00	2.00	
EPRJ240 PRJ Shipboard Systems 1 Sea Project				2.00	ECES211 Dynamics	2	1	2.00	2.50	ECES221 Introduction to Materials Engine	0	2	1.00	0.50	
NPRJ245 PRJ Deck Operations				1.00	MATH215 Probability & Statistics Engineer	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	1.00	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	
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>		<b>18</b>	<b>3</b>	<b>19.00</b>	<b>19.50</b>		<b>17</b>	<b>7</b>	<b>20.00</b>	<b>18.50</b>	
<b>Term 7</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 8</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 9</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
EPRJ310 PRJ Maintenance Management				1.00	EPRJ350 PRJ Marine Propulsion 3				2.50	ECEE300 Electric Machines	3	2	4.00	3.50	
EPRJ320 PRJ Naval Arch Sea Project				1.00	NPRJ340 PRJ Maritime Business				1.00	ECES300 Strength of Materials	3	2	4.00	3.50	
EPRJ330 PRJ Marine Propulson 2 Sea Project				2.50	HPRJ300 PRJ Humanities Sea Project				1.00	ECES310 Heat Transfer	3	0	3.00	3.00	
EPRJ335 PRJ Refrigeration Sea Project				1.00	INSP100 PRJ Internship				1.00	EREM300 Engineering Economics	3	0	3.00	3.00	
EPRJ340 PRJ Shipboard Systems II Sea Project				2.00	EPRJ400 PRJ Shipyard nternship				2.00	MATH330 Operations Research 2	3	0	3.00	3.00	
EPRJ345 PRJ Electrical Engineering Sea Project				1.00						HIST300 Seminar in U.S. History since 19	2	0	2.00	2.00	
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>7.50</b>		<b>17</b>	<b>4</b>	<b>19.00</b>	<b>18.00</b>	
<b>Term 10</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 11</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 12</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
ECEE400 Electronics	2	1	3.00	2.50	ECME420 Internal Combustion Engines	3	3	4.50	3.50	ECME460 Marine Engineering License St	1	2	3.00	0.50	
ECME400 Marine Engineering Managemel	1	2	3.00	2.00	ECME431 Marine Refrigeration	2	3	3.50	2.50	EMEM425 Engineering Project Managme	1	2	2.00	2.00	
ECES402 Machine Elements	2	1	2.00	2.50	ECME440 Engine Room Resource Manag	0	4	4.00	1.00	NAUT420 Advanced Firefighting	1	1	2.00	1.50	
ECME400 Marine Steam Plants and Comp	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	
ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	ECNA401 Naval Architecture for Marine Er	3	0	2.50	2.50	HIST400 Seminar in National Security Po	2	0	2.00	2.00	
ECME450 Gas Turbines and marine Auxili	3	3	4.50	3.50	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	
	<b>14</b>	<b>14</b>	<b>22.00</b>	<b>18.00</b>		<b>15</b>	<b>14</b>	<b>23.50</b>	<b>17.50</b>		<b>10</b>	<b>7</b>	<b>16.00</b>	<b>12.00</b>	
											<b>Total In-Resident Credits</b>				<b>158.00</b>
											<b>Total Credits</b>				<b>180.00</b>

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

<b>Class of 2024 C</b>					<b>Major: Marine Engineering Shipyard Management C</b>										
<b>Term 1</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 2</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 3</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
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	
PE&A110 Basic Swimming	0	2	2.00	1.00	LITR101 Composition & Literature	3	0	3.00	3.00	MATH240 Introduction to Differential Equi	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						
	<b>16</b>	<b>9</b>	<b>23.00</b>	<b>18.50</b>		<b>11</b>	<b>14</b>	<b>23.00</b>	<b>16.50</b>		<b>16</b>	<b>4</b>	<b>21.50</b>	<b>17.50</b>	
<b>Term 4</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 5</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 6</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
ECES201 Thermodynamics	3	0	3.00	3.00	ECEE200 Electric Circuits	2	2	3.00	2.50	EPRJ210 PRJ Machine Shop Sea Project				1.00	
ECES211 Dynamics	2	1	2.00	2.50	ECES220 Introduction to Materials Enginee	2	0	2.00	2.00	EPRJ230 PRJ Main Propulsion 1 Sea Project				2.00	
MATH215 Probability & Statistics Engineer	3	0	3.00	3.00	ECES221 Introduction to Materials Enginee	0	2	1.00	0.50	EPRJ240 PRJ Shipboard Systems 1 Sea Project				2.00	
MATH305 Calculus 3	3	0	3.00	3.00	ECES230 Fluid Mechanics	3	2	4.00	3.50	NPRJ245 PRJ Deck Operations				1.00	
COMP105 Computer Programming	0	2	1.00	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 fo	2	1	2.00	2.00						
WRIT110 Technical & Professional Comr	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						
	<b>17</b>	<b>5</b>	<b>20.00</b>	<b>19.50</b>		<b>17</b>	<b>7</b>	<b>20.00</b>	<b>18.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>	
<b>Term 7</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 8</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 9</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
ECEE300 Electric Machines	3	2	4.00	3.50	ECDL400 Basic Tanker Operations-Dange	2	0	2.00	2.00	EPRJ310 PRJ Maintenance Management				1.00	
ECES300 Strength of Materials	3	2	4.00	3.50	ECEE400 Electronics	2	1	3.00	2.50	EPRJ320 PRJ Naval Arch Sea Project				1.00	
ECES310 Heat Transfer	3	0	3.00	3.00	ECEM400 Marine Engineering Managemen	1	2	3.00	2.00	EPRJ330 PRJ Marine Propulsion 2 Sea Project				2.50	
EMEM 405 Engineering Project Managmer	3	1	3.50	3.50	ECME400 Marine Steam Plants and Comp	3	3	4.50	3.50	EPRJ335 PRJ Refrigeration Sea Project				1.00	
EREM300 Engineering Economics	3	0	3.00	3.00	ECME410 Marine Steam Plant Simulation	0	3	1.50	0.50	EPRJ340 PRJ Shipboard Systems II Sea Project				2.00	
MATH330 Operations Research 2	3	0	3.00	3.00	ECME450 Gas Turbines and Marine Auxilli	3	3	4.50	3.50	EPRJ345 PRJ Electrical Engineering Sea Project				1.00	
					HIST300 Seminar in U.S. History since 194	2	0	2.00	2.00						
	<b>18</b>	<b>5</b>	<b>20.50</b>	<b>19.50</b>		<b>13</b>	<b>12</b>	<b>20.50</b>	<b>16.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.50</b>	
<b>Term 10</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 11</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	<b>Term 12</b>	<b>C</b>	<b>L</b>	<b>CHr</b>	<b>CR</b>	
EPRJ350 PRJ Marine Propulsion 3 Sea Project				2.50	ECES402 Machine Elements	2	1	2.00	2.50	ECME460 Marine Engineering License S	1	2	3.00	0.50	
NPRJ340 PRJ Maritime Business				1.00	ECME420 Internal Combustion Engines	3	3	4.50	3.50	EMEM425 Engineering Project Managme	1	2	2.00	2.00	
HPRJ300 PRJ Humanities Sea Project				1.00	ECME431 Marine Refrigeration	2	3	3.50	2.50	NAUT420 Advanced Firefighting	1	1	2.00	1.50	
INSP100 PRJ Internship				1.00	ECME440 Engine Room Resource Manag	0	4	4.00	1.00	BUSN 210 Principles of Economics	3	0	3.00	3.00	
EPRJ400 PRJ Shipyard nternship				2.00	ECME470 Marine Plant Automation and Co	2	3	3.50	2.50	HIST400 Seminar in National Security Po	2	0	2.00	2.00	
					ECNA401 Naval Architecture for Marine Er	3	0	2.50	2.50	NASC410 Naval Science Senior Seminar	2	0	2.00	2.00	
					EMEM415 Engineering Project Managmen	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						
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>7.50</b>		<b>17</b>	<b>15</b>	<b>25.50</b>	<b>20.00</b>		<b>10</b>	<b>7</b>	<b>16.00</b>	<b>12.00</b>	
											<b>Total In-Resident Credits</b>				<b>158.00</b>
											<b>Total Credits</b>				<b>180.00</b>