

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

11/15/2017 1:25 PM

<b>Class of 2019 A</b>					<b>Major: Marine Transportation</b>									
<b>Term 1</b>					<b>Term 2</b>					<b>Term 3</b>				
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 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 110 LEC The Business of Transportation	3	0	3.00	3.00	BUSN 210 Principles of Economics	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										
CMDT100 Social Responsibility				0.00										
	<b>16</b>	<b>11</b>	<b>23.00</b>	<b>18.50</b>		<b>14</b>	<b>4</b>	<b>18.00</b>	<b>16.00</b>		<b>15</b>	<b>5</b>	<b>19.50</b>	<b>16.00</b>
<b>Term 4</b>					<b>Term 5</b>					<b>Term 6</b>				
C	L	CHr	CR		C	L	CHr	CR		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 220 LEC Liquid Cargo Operations	2	2	4.00	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					
					EPRJ 245 PRJ Marine Engine for Deck Project				1.00					
	<b>12</b>	<b>8</b>	<b>20.00</b>	<b>16.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>7.00</b>		<b>14</b>	<b>4</b>	<b>18.00</b>	<b>16.00</b>
<b>Term 7</b>					<b>Term 8</b>					<b>Term 9</b>				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
NAUT 225 LEC Celestial Navigation	3	2	5.00	4.00	NPRJ 310 PRJ Cargo Operations 2				2.00	NPRJ 335 PRJ Navigation Law 2				2.00
NAUT 250 LEC Dry Cargo Operations	3	0	3.00	3.00	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 300 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										
	<b>14</b>	<b>4</b>	<b>18.00</b>	<b>16.00</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>Term 11</b>					<b>Term 12</b>				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
NAUT 310 LEC Integrated Navigation 3	3	2	5.00	4.00	NAUT 400 LEC License Seminar	0	3	3.00	0.00	BUSN 440 LEC International Business	3	0	3.00	3.00
NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50	NAUT 440 LAB Flashing Light and Radar Obse	0	2	2.00	0.00	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	NAUT 460 LEC Bridge Resource Management	1	2	3.00	2.00	<b>Humanities Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>
BUSN 410 LEC Marketing	2	1	3.00	2.50	BUSN 420 LEC Maritime Economics	3	0	3.00	3.00	NASC 410 LEC Naval Science Senior Seminar	2	0	2.00	2.00
HIST 410 LEC Modern World History	3	0	3.00	3.00	BUSN 430 LEC Admiralty and International Law	2	0	2.00	2.00	<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>	NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00					
					<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>14</b>	<b>4</b>	<b>18.00</b>	<b>16.00</b>		<b>14</b>	<b>7</b>	<b>21.00</b>	<b>15.00</b>		<b>13</b>	<b>1</b>	<b>14.50</b>	<b>13.50</b>
													Total In-Resident Credits	143.00
													Total Credits	<b>164.00</b>

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

**Class of 2019 B**

**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 220 LEC Liquid Cargo Operations	2	2	4.00	3.00
HIST 100 LEC History of Sea Power	3	0	3.00	3.00	NAUT 160 LEC Ship Constructions and Stabili	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					
CMDT100 Social Responsibility				0.00										
	<b>16</b>	<b>11</b>	<b>23.00</b>	<b>18.50</b>		<b>15</b>	<b>9</b>	<b>23.50</b>	<b>18.00</b>		<b>13</b>	<b>8</b>	<b>22.00</b>	<b>18.00</b>
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 225 LEC Celestial Navigation	3	2	5.00	4.00	NPRJ 310 PRJ Cargo Operations 2				2.00
NPRJ 215 PRJ Integrated Navigation Systems 1				1.00	NAUT 215 LEC Integrated Navigation 2	3	2	5.00	4.00	NPRJ 315 PRJ Integrated Navigation Systems 2				1.00
NPRJ 220 PRJ Seamanship 1				1.00	NAUT 250 LEC Dry Cargo Operations	3	0	3.00	3.00	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 Transportatio	3	0	3.00	3.00	NPRJ 330 PRJ Navigation II				2.00
NPRJ 235 PRJ Navigation Law 1				1.00										
EPRJ 245 PRJ Marine Engine for Deck Project				1.00										
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>7.00</b>		<b>15</b>	<b>4</b>	<b>19.00</b>	<b>17.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.00</b>
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 Env	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 300 PRJ Humanities Sea Project				1.00	BUSN 310 LEC Accounting & Finance	3	0	3.00	3.00	BUSN 300 LEC Fundamentals of Business La	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
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>	NASC 200 LEC Strategic Sealift	2	0	2.00	2.00					
						<b>14</b>	<b>3</b>	<b>17.00</b>	<b>15.50</b>		<b>14</b>	<b>2</b>	<b>16.00</b>	<b>15.00</b>
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 Observ	0	2	2.00	0.00	NAUT 400 LEC License Seminar	0	3	3.00	0.00	BUSN 440 LEC International Business	3	0	3.00	3.00
NAUT 460 LEC Bridge Resource Management	1	2	3.00	2.00	BUSN 420 LEC Maritime Economics	3	0	3.00	3.00	ECME480 LEC Marine Engineering for Deck	2	1	3.50	2.50
BUSN 410 LEC Marketing	2	1	3.00	2.50	BUSN 430 LEC Admiralty and International La	2	0	2.00	2.00	<b>Humanities Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>
MATH 210 LEC Probability & Statistics	3	0	3.00	3.00	NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00	NASC 410 LEC Naval Science Senior Semina	2	0	2.00	2.00
HIST 410 LEC Modern World History	3	0	3.00	3.00	<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>
PE&A 200 LAB 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>12</b>	<b>7</b>	<b>19.00</b>	<b>14.50</b>		<b>13</b>	<b>3</b>	<b>16.00</b>	<b>13.00</b>		<b>13</b>	<b>1</b>	<b>14.50</b>	<b>13.50</b>
													Total In-Resident Credits	143.00
													Total Credits	164.00

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

<b>Class of 2019 A</b>					<b>Major: Maritime Logistics &amp; Security</b>									
<b>Term 1</b>					<b>Term 2</b>					<b>Term 3</b>				
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 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 110 LEC The Business of Transportation	3	0	3.00	3.00	BUSN 210 Principles of Economics	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										
CMDT100 Social Responsibility				0.00										
	<b>16</b>	<b>11</b>	<b>23.00</b>	<b>18.50</b>		<b>14</b>	<b>4</b>	<b>18.00</b>	<b>16.00</b>		<b>15</b>	<b>5</b>	<b>19.50</b>	<b>16.00</b>
<b>Term 4</b>					<b>Term 5</b>					<b>Term 6</b>				
C	L	CHr	CR		C	L	CHr	CR		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 220 LEC Liquid Cargo Operations	2	2	4.00	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
MLOG 200 LEC Integrated Logistics Management	3	0	3.00	3.00	NPRJ 230 PRJ Navigation I				1.00	LITR 201 LEC Literature	3	0	3.00	3.00
WTRF 100 LEC Safety of Life at Sea	1	2	3.00	2.00	NPRJ 235 PRJ Navigation Law 1				1.00	NASC 200 LEC Strategic Sealift	2	0	2.00	2.00
					EPRJ 245 PRJ Marine Engine for Deck Project				1.00					
	<b>15</b>	<b>8</b>	<b>23.00</b>	<b>19.00</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>7.00</b>		<b>16</b>	<b>4</b>	<b>20.00</b>	<b>18.00</b>
<b>Term 7</b>					<b>Term 8</b>					<b>Term 9</b>				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
NAUT 225 LEC Celestial Navigation	3	2	5.00	4.00	NPRJ 310 PRJ Cargo Operations 2				2.00	NPRJ 335 PRJ Navigation Law 2				2.00
NAUT 250 LEC Dry Cargo Operations	3	0	3.00	3.00	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 300 LEC Fundamentals of Business Law	3	0	3.00	3.00	NPRJ 325 PRJ Ship Structure and Stability 2				1.50	HPRJ 300 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										
	<b>15</b>	<b>4</b>	<b>19.00</b>	<b>17.00</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>Term 11</b>					<b>Term 12</b>				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
NAUT 310 LEC Integrated Navigation 3	3	2	5.00	4.00	NAUT 400 LEC License Seminar	0	3	3.00	0.00	BUSN 440 LEC International Business	3	0	3.00	3.00
NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50	NAUT 440 LAB Flashing Light and Radar Obse	0	2	2.00	0.00	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	NAUT 460 LEC Bridge Resource Management	1	2	3.00	2.00	MLOG 450 LEC Capstone Project Seminar	3	0	3.00	3.00
BUSN 410 LEC Marketing	2	1	3.00	2.50	BUSN 430 LEC Admiralty and International Law	2	0	2.00	2.00	<b>Humanities Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>
MLOG 400 LEC Port and Terminal Operations	3	0	3.00	3.00	BUSN 420 LEC Maritime Economics	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 425 LEC Maritime Security Research Se	3	0	3.00	3.00					
					MLOG 430 Chartering and Brokerage	3	0	3.00	3.00					
					HIST 410 LEC Modern World History	3	0	3.00	3.00					
	<b>13</b>	<b>4</b>	<b>17.00</b>	<b>15.00</b>		<b>15</b>	<b>7</b>	<b>22.00</b>	<b>16.00</b>		<b>13</b>	<b>1</b>	<b>14.50</b>	<b>13.50</b>
													Total In-Resident Credits	149.00
													Total Credits	<b>170.00</b>

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

<b>Class of 2019 B</b>					<b>Major: Maritime Logistics &amp; Security</b>									
<b>Term 1</b>					<b>Term 2</b>					<b>Term 3</b>				
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 220 LEC Liquid Cargo Operations	2	2	4.00	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					
CMDT100 Social Responsibility				0.00										
<b>16 11 23.00 18.50</b>					<b>15 9 23.50 18.00</b>					<b>13 8 22.00 18.00</b>				
<b>Term 4</b>					<b>Term 5</b>					<b>Term 6</b>				
C	L	CHr	CR		C	L	CHr	CR		C	L	CHr	CR	
NPRJ 210 PRJ Cargo Operations 1			1.00		NAUT 225 LEC Celestial Navigation	3	2	5.00	4.00	NPRJ 310 PRJ Cargo Operations 2			2.00	
NPRJ 215 PRJ Integrated Navigation Systems 1			1.00		NAUT 215 LEC Integrated Navigation 2	3	2	5.00	4.00	NPRJ 315 PRJ Integrated Navigation Systems 2			1.00	
NPRJ 220 PRJ Seamanship 1			1.00		NAUT 250 LEC Dry Cargo Operations	3	0	3.00	3.00	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		NASC 200 LEC Strategic Sealift	2	0	2.00	2.00					
EPRJ 245 PRJ Marine Engine for Deck Project			1.00											
<b>0 0 0.00 7.00</b>					<b>17 4 21.00 19.00</b>					<b>0 0 0.00 8.00</b>				
<b>Term 7</b>					<b>Term 8</b>					<b>Term 9</b>				
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 Env	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	LITR 201 LEC Literature	3	0	3.00	3.00
HPRJ 300 PRJ Humanities Sea Project			1.00		BUSN 310 LEC Accounting & Finance	3	0	3.00	3.00	BUSN 230 LEC Principles of Management	3	0	3.00	3.00
INSP100 PRJ Internship			1.00		MLOG 200 LEC Integrated Logistics Management	3	0	3.00	3.00	BUSN 300 LEC Fundamentals of Business Law	3	0	3.00	3.00
					MLOG310 LEC Vessel Security Officer/Compass	3	0	3.00	3.00					
					CHEM 100 LEC General Chemistry	3	2	5.00	4.00					
<b>0 0 0.00 6.00</b>					<b>18 3 21.00 19.50</b>					<b>14 2 16.00 15.00</b>				
<b>Term 10</b>					<b>Term 11</b>					<b>Term 12</b>				
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	NAUT 400 LEC License Seminar	0	3	3.00	0.00	BUSN 440 LEC International Business	3	0	3.00	3.00
NAUT 460 LEC Bridge Resource Management	1	2	3.00	2.00	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 410 LEC Marketing	2	1	3.00	2.50	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 Seminar	3	0	3.00	3.00	<b>Humanities Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>
MATH 210 LEC Probability & Statistics	3	0	3.00	3.00	MLOG 430 Chartering and Brokerage	3	0	3.00	3.00	NASC 410 LEC Naval Science Senior Seminar	2	0	2.00	2.00
PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00	HIST 410 LEC Modern World History	3	0	3.00	3.00					
NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00										
<b>11 7 18.00 13.50</b>					<b>14 3 17.00 14.00</b>					<b>13 1 14.50 13.50</b>				
												Total In-Resident Credits		149.00
												Total Credits		<b>170.00</b>

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

<b>Class of 2019 A</b>					<b>Major: Marine Engineering Shipyard Management</b>									
<b>Term 1</b>					<b>Term 2</b>					<b>Term 3</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>	
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	LITR 220 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					
	<b>14</b>	<b>9</b>	<b>21.50</b>	<b>17.50</b>		<b>13</b>	<b>13</b>	<b>22.50</b>	<b>16.50</b>		<b>14</b>	<b>11</b>	<b>23.00</b>	<b>16.50</b>
<b>Term 4</b>					<b>Term 5</b>					<b>Term 6</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>	
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 200 LEC Thermodynamics	3	2	4.00	3.50	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
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
	<b>16</b>	<b>4</b>	<b>19.00</b>	<b>17.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>	PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00
											<b>16</b>	<b>10</b>	<b>21.50</b>	<b>18.50</b>
<b>Term 7</b>					<b>Term 8</b>					<b>Term 9</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>	
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 300 PRJ Humanities Sea Project				1.00
BUSN 210 Principles of Economics	3	0	3.00	3.00	EPRJ 340 PRJ Shipboard Systems II Sea Project				2.00	INSP100 PRJ Internship				1.00
MATH 330 LEC Operations Research 2	3	3	3.00	3.00	EPRJ 345 PRJ Electrical Engineering Sea Project				1.00					
	<b>18</b>	<b>7</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>Term 11</b>					<b>Term 12</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>	
ECEE 400 LEC Electronics	2	1	3.00	2.50	ECEN 400 LEC Marine Engineering Management	1	2	3.00	2.00	ECME 460 LAB Marine Engineering Licentiate	1	2	3.00	0.50
ECME 400 LEC Marine Steam Plants and Components	3	3	4.50	3.50	ECES 400 LEC Machine Elements	3	0	3.00	3.00	EMEM 425 Engineering Project Management	1	2	2.00	2.00
ECME 410 LAB Marine Steam Plant Simulation	0	3	1.50	0.50	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 420 LEC Internal Combustion Engines	3	3	4.50	3.50	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 430 LEC Marine Refrigeration	3	3	4.50	3.50	ECNA 400 LEC Naval Architecture for Marine Engineering	3	0	3.00	3.00	HIST 410 LEC Modern World History	3	0	3.00	3.00
ECME 440 LAB Engine Room Resource Management	0	4	4.00	1.00	EMEM 415 LEC Engineering Project Management	3	1	3.50	3.50	LITR 201 LEC Literature	3	0	3.00	3.00
EMEM 405 LEC Engineering Project Management	3	1	3.50	3.50	NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00					
	<b>14</b>	<b>18</b>	<b>25.50</b>	<b>18.00</b>		<b>17</b>	<b>9</b>	<b>22.50</b>	<b>19.50</b>		<b>11</b>	<b>5</b>	<b>15.00</b>	<b>12.00</b>
											Total In-Resident Credits			155.00
											Total Credits			177.00

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

**Major: Marine Engineering Shipyard Management**

**Class of 2019 B**

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	ECME 105 LEC Introduction to Marine Engineering	3	3	4.50	3.50	ECEE 100 LEC Introduction to Electrical Engi	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
									PE&A 125 LAB Self Defense Tactics	0	2	1.00	0.50	
<b>14 9 21.50 17.50</b>				<b>14 11 23.00 16.50</b>				<b>12 15 23.50 16.50</b>						
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 200 LEC Thermodynamics	3	2	4.00	3.50	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-Dangero	2	0	2.00	2.00	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		
				CHEM 200 LEC Chemistry for Marine Engineers	3	2	3.50	3.00	EPRJ 345 PRJ Electrical Engineering Sea Project			1.00		
				NASC 200 LEC Strategic Sealift	2	0	2.00	2.00						
<b>0 0 0.00 6.00</b>				<b>18 4 19.50 18.50</b>				<b>0 0 0 8.50</b>						
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	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 Engineeri	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 Engineeri	0	2	1.00	0.50	ECES 310 LEC Heat Transfer	3	0	3.00	3.00	
HPRJ 300 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	LITR 220 LEC Technical & Professional Com	2	0	2.00	2.00	
				MATH 300 LEC Calculus III	3	0	3.00	3.00	MATH 330 LEC Operations Research 2	3	3	3.00	3.00	
				MATH310 LEC Operations Research 1	3	0	3.00	3.00						
				PE&A 200 LAB Medical Care Provider		2	2.00	1.00						
<b>0 0 0.00 7.50</b>				<b>16 8 21.00 18.50</b>				<b>17 7 19.00 18.00</b>						
Term 10				Term 11				Term 12						
C	L	CHr	CR	C	L	CHr	CR	C	L	CHr	CR			
ECEE 400 LEC Electronics	2	1	3.00	2.50	ECES 400 LEC Machine Elements	3	0	3.00	3.00	ECME 460 LAB Marine Engineering License	1	2	3.00	0.50
ECME 400 LEC Marine Engineering Management	1	2	3.00	2.00	ECME 420 LEC Internal Combustion Engines	3	3	4.50	3.50	EMEM 425 Engineering Project Managment	3	1	2.00	2.00
ECME 400 LEC Marine Steam Plants and Compon	3	3	4.50	3.50	ECME 430 LEC Marine Refrigeration	3	3	4.50	3.50	NAUT 420 LEC Advanced Firefighting	1	1	2.00	1.50
ECME 410 LAB Marine Steam Plant Simulation	0	3	1.50	0.50	ECME 440 LAB Engine Room Resource Managen	0	4	4.00	1.00	NASC 410 LEC Naval Science Senior Semina	2	0	2.00	2.00
ECME 450 LEC Gas Turbines and marine Auxiliar	3	3	4.50	3.50	ECME 470 LEC Marine Plant Automation and Con	2	3	3.50	2.50	HIST 410 LEC Modern World History	3	0	3.00	3.00
ECNA 400 LEC Naval Architecture for Marine Eng	3	0	3.00	3.00	EMEM 415 LEC Engineering Project Managment	3	1	3.50	3.50	LITR 201 LEC Literature	3	0	3.00	3.00
EMEM 405 LEC Engineering Project Managment	3	1	3.50	3.50	NASC 400 LEC Naval Leadership & Ethics	2	0	2.00	2.00					
<b>15 13 23.00 18.50</b>				<b>16 14 25.00 19.00</b>				<b>11 5 15.00 12.00</b>						

Total In-Resident Credits 155.00  
Total Credits 177.00

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

<b>Class of 2019 A</b>					<b>Major: Marine Engineering Systems</b>									
<b>Term 1</b>					<b>Term 2</b>					<b>Term 3</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>	
ECME 101 LEC Introduction to Marine Engineering	3	3	4.50	3.50	ECEE 100 LEC Introduction to Electrical Engineering	3	2	4.50	3.50	ECME 105 LEC Introduction to Marine Engineering	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	LITR 220 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					
	<b>14</b>	<b>9</b>	<b>21.50</b>	<b>17.50</b>		<b>13</b>	<b>13</b>	<b>23.00</b>	<b>16.50</b>		<b>14</b>	<b>11</b>	<b>22.50</b>	<b>16.50</b>
<b>Term 4</b>					<b>Term 5</b>					<b>Term 6</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>	
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 200 LEC Thermodynamics	3	2	4.00	3.50	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 Engineers	3	2	3.50	3.00
	<b>16</b>	<b>6</b>	<b>20.50</b>	<b>17.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>	PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00
											<b>16</b>	<b>10</b>	<b>21.50</b>	<b>18.50</b>
<b>Term 7</b>					<b>Term 8</b>					<b>Term 9</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>	
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 Propulsion 2 Sea Project				2.50	HPRJ 300 PRJ Humanities Sea Project				1.00
EREM 300 LEC Engineering Economics	3	0	3.00	3.00	EPRJ 335 PRJ Refrigeration Sea Project				1.00	INSP100 PRJ Internship				1.00
MATH 320 LEC Differential Equations 2	3	0	3.00	3.00	EPRJ 340 PRJ Shipboard Systems II Sea Project				2.00					
BUSN 210 Principles of Economics	3	0	3.00	3.00	EPRJ 345 PRJ Electrical Engineering Sea Project				1.00					
	<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>5.50</b>
<b>Term 10</b>					<b>Term 11</b>					<b>Term 12</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>	
ECES 400 LEC Machine Elements	3	0	3.00	3.00	ECEE 400 LEC Electronics	2	1	3.00	2.50	ECME 460 LAB Marine Engineering Licensure	1	2	3.00	0.50
ECME 400 LEC Marine Steam Plants and Components	3	3	4.50	3.50	ECEN 400 LEC Marine Engineering Management	1	2	3.00	2.00	ESME 420 Capstone 3	1	1	1.50	1.50
ECME 410 LAB Marine Steam Plant Simulation	0	3	1.50	0.50	ECME 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 420 LEC Internal Combustion Engines	3	3	4.50	3.50	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 430 LEC Marine Refrigeration	3	3	4.50	3.50	ECNA 400 LEC Naval Architecture for Marine Engineers	3	0	3.00	3.00	HIST 410 LEC Modern World History	3	0	3.00	3.00
ECME 440 LAB Engine Room Resource Management	0	4	4.00	1.00	ESME 410 Capstone 2	1	1	2.00	2.00	LITR 201 LEC Literature	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	<b>EEXX XXX Engineering Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>
	<b>13</b>	<b>17</b>	<b>24.00</b>	<b>17.00</b>		<b>14</b>	<b>10</b>	<b>21.00</b>	<b>17.50</b>		<b>14</b>	<b>4</b>	<b>17.50</b>	<b>14.50</b>
										Total In-Resident Credits				154.50
										Total Credits				<b>174.50</b>



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

<b>Class of 2019 A</b>					<b>Major: Marine Engineering</b>									
<b>Term 1</b>					<b>Term 2</b>					<b>Term 3</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>	
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	LITR 220 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	<b>2.00</b>					
	<b>14</b>	<b>9</b>	<b>21.50</b>	<b>17.50</b>		<b>13</b>	<b>13</b>	<b>22.50</b>	<b>16.50</b>		<b>14</b>	<b>11</b>	<b>23.00</b>	<b>16.50</b>
<b>Term 4</b>					<b>Term 5</b>					<b>Term 6</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>	
ECES 200 LEC Thermodynamics	3	2	4.00	3.50	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 I	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 I	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 Engineers	3	2	3.50	3.00
	<b>14</b>	<b>4.0</b>	<b>17.00</b>	<b>15.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>	PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00
<b>Term 7</b>					<b>Term 8</b>					<b>Term 9</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>	
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 300 PRJ Humanities Sea Project				1.00
ECDL 400 LEC Basic Tanker Operations-Dangerous Goods	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					
	<b>16</b>	<b>4</b>	<b>18.00</b>	<b>17.00</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>Term 11</b>					<b>Term 12</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>	
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 400 LEC Machine Elements	3	0	3.00	3.00
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 Licensure	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 430 LEC Marine Refrigeration	3	3	4.50	3.50	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 400 LEC Naval Architecture for Marine Engineers	3	0	3.00	3.00	HIST 410 LEC Modern World History	3	0	3.00	3.00
<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>	<b>Free Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>
	<b>12</b>	<b>16</b>	<b>22.00</b>	<b>15.00</b>		<b>14</b>	<b>9</b>	<b>20.00</b>	<b>16.50</b>		<b>13</b>	<b>3</b>	<b>16.00</b>	<b>13.00</b>
													Total In-Resident Credits	143.00
													Total Credits	<b>163.00</b>

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

<b>Class of 2019 B</b>					<b>Major: Marine Engineering</b>									
<b>Term 1</b>					<b>Term 2</b>					<b>Term 3</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>	
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
										PE&A 125 LAB Self Defense Tactics	0	2	1.00	0.50
	<b>14</b>	<b>9</b>	<b>21.50</b>	<b>17.50</b>		<b>14</b>	<b>11</b>	<b>23.00</b>	<b>16.50</b>		<b>12</b>	<b>15</b>	<b>23.50</b>	<b>16.50</b>
<b>Term 4</b>					<b>Term 5</b>					<b>Term 6</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>	
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 200 LEC Thermodynamics	3	2	4.00	3.50	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	
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>6.00</b>		<b>15</b>	<b>4</b>	<b>16.50</b>	<b>15.50</b>		<b>0</b>	<b>0</b>	<b>0.00</b>	<b>8.50</b>
<b>Term 7</b>					<b>Term 8</b>					<b>Term 9</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>	
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 300 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					
					LITR 220 LEC Technical & Professional Commur	2	0	2.00	2.00					
	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>5.50</b>		<b>15</b>	<b>6</b>	<b>18.00</b>	<b>16.50</b>		<b>14</b>	<b>4</b>	<b>16.00</b>	<b>15.00</b>
<b>Term 10</b>					<b>Term 11</b>					<b>Term 12</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>	
ECME 400 LEC Marine Engineering Managemer	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
ECME 400 LEC Marine Steam Plants and Comp	3	3	4.50	3.50	ECME 430 LEC Marine Refrigeration	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 440 LAB Engine Room Resource Manage	0	4	4.00	1.00	ECES 400 LEC Machine Elements	3	0	3.00	3.00
ECME 450 LEC Gas Turbines and marine Auxilia	3	3	4.50	3.50	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
ECNA 400 LEC Naval Architecture for Marine En	3	0	3.00	3.00	PE&A 200 LAB Medical Care Provider	0	2	2.00	1.00	NASC 410 LEC Naval Science Senior Se	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>	HIST 410 LEC Modern World History	3	0	3.00	3.00
	<b>13</b>	<b>11</b>	<b>19.50</b>	<b>15.50</b>		<b>11</b>	<b>15</b>	<b>21.50</b>	<b>14.50</b>	<b>Free Elective</b>	<b>3</b>	<b>0</b>	<b>3.00</b>	<b>3.00</b>
											<b>15</b>	<b>4</b>	<b>19.00</b>	<b>15.50</b>
													Total In-Resident Credits	143.00
													Total Credits	<b>163.00</b>