STUDENTS ENTERING IN 2019 MARINE TRANSPORTATION MAJOR CURRICULUM

REVISED 1/21/21 Subject to Change

FALL 2019			SPRING 2020		SUMMER CRUISE 2020	
COM 100 Introduction to Computers		2.0	CHE 105 Introductory Chemistry (Area B1)	3.0	CRU 100 Sea Training (Deck)►	8.0
DL 105 Marine Survival		1.0	CHE 105L Introductory Chemistry Lab (Area B3)	1.0	Tota	1 8.0
DL 105L Marine Survival Lab►		1.0	DL 100 Small Craft Operations	1.0		
DL 105X USCG Lifeboatman's Exam▶♣		0.0	DL 110 Ship Operations I	1.0		
DL 109 Industrial Equipment and Safety►♥		1.0	DL 120 Cargo Operations ► ♣	1.0		
DL 115 Marlinspike		1.0	ECO 100 Macroeconomics (Area D-Lower Div)	3.0		
FF 200 Basic/Advanced Marine Firefighting ▶ ^{1&2}		0.0	EGL 100 English Composition (Area A2) "G4"	3.0		
MTH 100 College Algebra & Trigonometry (Area B		4.0	EGL 110 Speech Communication (Area A1) "G4"	3.0		
NAU 103 Introduction to Marine Transportation *	/	3.0	FF 200 Basic/Advanced Marine Firefighting → ^{3&4}	0.0		
NAU 104 Shipboard Security and Responsibility►	ŀ	1.0	NAU 110 Seamanship	3.0		
NAU 105 Ship Structure ►		2.0	1	Total 19.0		
PE 101 Swim Competency Exam		0.0				
PE 102 Beginning/Intermediate Swimming		(0.5)				
12 102 Beginning intermediate 5 mining		Total 16.0				
EAT 1 2020		10001 1000	SDDING 2021		SUMMED COLUSE 2021	
FALL 2020	4	2.0	SPRING 2021	2.0	SUMMER CRUISE 2021 CRU 200, See Training II (Dealt)	5.0
American Institutions I Elective (Area D-Lower Div) ^{3&}	•	3.0	American Institutions I Elective (Area D-Lower Div) ^{1&2}	3.0	CRU 200 Sea Training II (Deck)	5.0
DL 111 Ship Operations II		1.0	Life Science Elective (Area B2)	3.0	CRU 200L	3.0
DL 225 Radar/ARPA \clubsuit \clubsuit \clubsuit		2.0	DL 240 GMDSS► *	2.0	Tota	1 8.0
DL 225L Radar/ARPA Lab \clubsuit ^{1&2}		2.0	DL 240L GMDSS Lab►	1.0		
EGL 220 Critical Thinking		3.0	DL 225 Radar/ARPA \clubsuit	2.0		
[Critical Thinking Elective] (Area A3) "G4"			DL 225LRadar/ARPA Lab►# ^{3&4}	2.0		
NAU 102 Navigation I► ★		4.0	NAU 205 Ship Stability ► (Area B4) "G4"	3.0		
NAU 102L Navigation I Lab		0.0	NAU 240 Electricity/Electronics	3.0		
NAU 230 Rules of the Road► #		2.0	NAU 240L Electricity/Electronics Lab	1.0		
PHY 100 Physics I (Area B1)		3.0	Total	16.0 OR 17.0		
PHY 100L Physics I Lab (Area B3)		1.0				
	Total	18.0 OR 17.0				
FALL 2021			SPRING 2022		SUMMER CRUISE 2022	
<u>FALL 2021</u> Arts Elective (Area C1-Lower Div)		3.0	SPRING 2022 Humanities Elective (Area C2-Lower Div) ^{3&4}	3.0	SUMMER CRUISE 2022 CRU 300 Sea Training III (Deck)►	8.0
Arts Elective (Area C1-Lower Div)		3.0 3.0	SPRING 2022 Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab * ^{3&4}	3.0 1.0		
Arts Elective (Area C1-Lower Div) Humanities Elective (Area C2-Lower Div) ^{1&2}			Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab * ^{3&4}		CRU 300 Sea Training III (Deck)►	
Arts Elective (Area C1-Lower Div) Humanities Elective (Area C2-Lower Div) ^{1&2} DL 301 Navigation Piloting Lab# ^{1&2}		3.0 1.0	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab * ^{3&4} DL 311 Marine Management Lab *	1.0 1.0	CRU 300 Sea Training III (Deck)►	
Arts Elective (Area C1-Lower Div) Humanities Elective (Area C2-Lower Div) ^{1&2} DL 301 Navigation Piloting Lab# ^{1&2} DL 310 Marine Supervisory Lab#		3.0 1.0 1.0	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab ^{*3&4} DL 311 Marine Management Lab [*] DL 320 Introduction to Bridge Simulation ►*	1.0 1.0 2.0	CRU 300 Sea Training III (Deck)►	
Arts Elective (Area C1-Lower Div) Humanities Elective (Area C2-Lower Div) ^{1&2} DL 301 Navigation Piloting Lab# ^{1&2} DL 310 Marine Supervisory Lab# EGL 300 Advanced Writing		3.0 1.0 1.0 (3.0)	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab ^{*3&4} DL 311 Marine Management Lab [*] DL 320 Introduction to Bridge Simulation ►* NAU 120 Marine Engineering [*]	1.0 1.0 2.0 3.0	CRU 300 Sea Training III (Deck)►	
Arts Elective (Area C1-Lower Div)Humanities Elective (Area C2-Lower Div)DL301Navigation Piloting Lab#1&2DL310Marine Supervisory LabEGL300Advanced WritingNAU302Advanced Navigation		3.0 1.0 1.0 (3.0) 3.0	HumanitiesElective (Area C2-Lower Div)BL301NavigationPiloting Lab*3&4DL311MarineManagement Lab*DL320Introduction to Bridge SimulationNAU120MarineEngineering*NAU300CelestialNavigation*	1.0 1.0 2.0 3.0 4.0	CRU 300 Sea Training III (Deck)► Total	
Arts Elective (Area C1-Lower Div)Humanities Elective (Area C2-Lower Div)DL301Navigation Piloting LabBL310Marine Supervisory LabEGL300Advanced WritingNAU302Advanced NavigationNAU302Advanced Navigation Lab		3.0 1.0 (3.0) 3.0 0.0	HumanitiesElective (Area C2-Lower Div)BL301NavigationPiloting Lab*3&4DL311MarineManagement Lab*DL320Introduction to Bridge SimulationNAU120MarineEngineering*NAU300CelestialNavigation*NAU300LCelestialNavigationLab*	1.0 1.0 2.0 3.0 4.0 0.0	CRU 300 Sea Training III (Deck)► Total	
Arts Elective (Area C1-Lower Div)Humanities Elective (Area C2-Lower Div)DL301Navigation Piloting LabBL310Marine Supervisory LabEGL300Advanced WritingNAU302Advanced NavigationNAU302L Advanced Navigation LabNAU320Tank Vessel Operations		3.0 1.0 (3.0) 3.0 0.0 3.0	HumanitiesElective (Area C2-Lower Div)BL301NavigationPiloting Lab*3&4DL311MarineManagement Lab*DL320Introduction to Bridge SimulationNAU120MarineEngineering*NAU300CelestialNavigation*NAU300LCelestialNavigation Lab*NAU325CargoVesselOperations	1.0 1.0 2.0 3.0 4.0 0.0 3.0	CRU 300 Sea Training III (Deck)► Total	
Arts Elective (Area C1-Lower Div)Humanities Elective (Area C2-Lower Div)DL301Navigation Piloting LabBL310Marine Supervisory LabEGL300Advanced WritingNAU302Advanced Navigation ▶NAU320Tank Vessel Operations ▶NAU330Meteorology ▶(Area B-Upper Div)		3.0 1.0 (3.0) 3.0 0.0 3.0 3.0 3.0	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab * ^{3&4} DL 311 Marine Management Lab * DL 320 Introduction to Bridge Simulation ► NAU 120 Marine Engineering * NAU 300 Celestial Navigation * NAU 300L Celestial Navigation Lab * NAU 325 Cargo Vessel Operations ► * NAU 335 ECDIS ► * ^{1&2}	1.0 1.0 2.0 3.0 4.0 0.0 3.0 2.0	CRU 300 Sea Training III (Deck)► Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION	1 8.0
Arts Elective (Area C1-Lower Div)Humanities Elective (Area C2-Lower Div)DL301Navigation Piloting LabBL310Marine Supervisory LabEGL300Advanced WritingNAU302Advanced Navigation LabNAU320Tank Vessel OperationsNAU330Meteorology* (Area B-Upper Div)NAU335ECDIS***		$3.0 \\ 1.0 \\ (3.0) \\ 3.0 \\ 0.0 \\ 3.0 \\ 3.0 \\ 3.0 \\ 2.0$	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab ^{3&4} DL 311 Marine Management Lab [*] DL 320 Introduction to Bridge Simulation → NAU 120 Marine Engineering [*] NAU 300 Celestial Navigation [*] NAU 300 Celestial Navigation Lab [*] NAU 325 Cargo Vessel Operations → NAU 335 ECDIS → ^{*1&2} NAU 335L ECDIS Lab → ^{*1&2}	$ \begin{array}{c} 1.0\\ 1.0\\ 2.0\\ 3.0\\ 4.0\\ 0.0\\ 3.0\\ 2.0\\ 1.0\\ \end{array} $	CRU 300 Sea Training III (Deck)► Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION CSU Writing Proficiency Requirements may be me	1 8.0 et by
Arts Elective (Area C1-Lower Div)Humanities Elective (Area C2-Lower Div)DL301Navigation Piloting LabBL310Marine Supervisory LabEGL300Advanced WritingNAU302Advanced Navigation ▶NAU320Tank Vessel Operations ▶NAU330Meteorology ▶(Area B-Upper Div)	Total	$\begin{array}{c} 3.0 \\ 1.0 \\ 1.0 \\ (3.0) \\ 3.0 \\ 0.0 \\ 3.0 \\ 3.0 \\ 3.0 \\ 2.0 \\ 1.0 \end{array}$	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab * ^{3&4} DL 311 Marine Management Lab * DL 320 Introduction to Bridge Simulation ► NAU 120 Marine Engineering * NAU 300 Celestial Navigation * NAU 300L Celestial Navigation Lab * NAU 325 Cargo Vessel Operations ► * NAU 335 ECDIS ► * ^{1&2}	1.0 1.0 2.0 3.0 4.0 0.0 3.0 2.0	CRU 300 Sea Training III (Deck)► Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION CSU Writing Proficiency Requirements may be me passing the Graduate Writing Exam, or passing EGL	1 8.0 et by
Arts Elective (Area C1-Lower Div)Humanities Elective (Area C2-Lower Div)DL301Navigation Piloting LabDL310Marine Supervisory LabEGL300Advanced WritingNAU302Advanced Navigation ▶NAU302Ladvanced Navigation LabNAU320Tank Vessel Operations ▶NAU330Meteorology ▶(Area B-Upper Div)NAU335ECDIS Lab* ^{3&4}	Total	$3.0 \\ 1.0 \\ (3.0) \\ 3.0 \\ 0.0 \\ 3.0 \\ 3.0 \\ 3.0 \\ 2.0$	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab ^{3&4} DL 311 Marine Management Lab [*] DL 320 Introduction to Bridge Simulation → NAU 120 Marine Engineering [*] NAU 300 Celestial Navigation # NAU 300 Celestial Navigation Lab [*] NAU 300L Celestial Navigation Lab [*] NAU 325 Cargo Vessel Operations → * NAU 325 ECDIS → * ^{1&2} NAU 335L ECDIS Lab → * ^{1&2} Total	$ \begin{array}{c} 1.0\\ 1.0\\ 2.0\\ 3.0\\ 4.0\\ 0.0\\ 3.0\\ 2.0\\ 1.0\\ \end{array} $	CRU 300 Sea Training III (Deck)► Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION CSU Writing Proficiency Requirements may be me	1 8.0 et by
Arts Elective (Area C1-Lower Div) Humanities Elective (Area C2-Lower Div) ^{1&2} DL 301 Navigation Piloting Lab ^{+1&2} DL 310 Marine Supervisory Lab ⁺ EGL 300 Advanced Writing NAU 302 Advanced Navigation Lab ⁺ NAU 302 Advanced Navigation Lab ⁺ NAU 320 Tank Vessel Operations NAU 330 Meteorology AU NAU 335 ECDIS Lab * ^{3&44}	Total	3.0 1.0 (3.0) 3.0 0.0 3.0 3.0 2.0 1.0 17.0 OR 16.0	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab * ^{3&4} DL 311 Marine Management Lab * DL 320 Introduction to Bridge Simulation ► NAU 120 Marine Engineering * NAU 300 Celestial Navigation * NAU 300 Celestial Navigation Lab * NAU 300 Celestial Navigation Lab * NAU 325 Cargo Vessel Operations ► * NAU 335 ECDIS ► * ^{1&2} NAU 335L ECDIS Lab ► * ^{1&2} Total SPRING 2023	1.0 1.0 2.0 3.0 4.0 0.0 3.0 2.0 1.0 16.0 OR 17.0	CRU 300 Sea Training III (Deck)► Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION CSU Writing Proficiency Requirements may be me passing the Graduate Writing Exam, or passing EGL Advanced Writing	1 8.0 et by
Arts Elective (Area C1-Lower Div) Humanities Elective (Area C2-Lower Div) ^{1&2} DL 301 Navigation Piloting Lab ^{+1&2} DL 310 Marine Supervisory Lab ⁺ EGL 300 Advanced Writing NAU 302 Advanced Navigation ▶ NAU 302 NAU 302 NAU 300 NAU 320 Tank Vessel Operations ▶ NAU 330 Meteorology ▶ (Area B-Upper Div) NAU 335 ECDIS Lab ▶ *** Humanities Elective (Area C-Upper Div)	Total	3.0 1.0 (3.0) 3.0 0.0 3.0 3.0 2.0 1.0 17.0 OR 16.0 3.0	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab * ^{3&4} DL 311 Marine Management Lab * DL 320 Introduction to Bridge Simulation ► NAU 120 Marine Engineering * NAU 300 Celestial Navigation # NAU 300 Celestial Navigation Lab * NAU 325 Cargo Vessel Operations ► * NAU 325 Cargo Vessel Operations ► * NAU 335 ECDIS ► * ^{1&2} NAU 335L ECDIS Lab ► * ^{1&2} Total SPRING 2023 Social Science Elective (Area D-Upper Div)	1.0 1.0 2.0 3.0 4.0 0.0 3.0 2.0 1.0 16.0 OR 17.0 3.0	CRU 300 Sea Training III (Deck)► Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION CSU Writing Proficiency Requirements may be me passing the Graduate Writing Exam, or passing EGL Advanced Writing ^{1&2} Divisions 1&2 take course	1 8.0 et by
Arts Elective (Area C1-Lower Div) Humanities Elective (Area C2-Lower Div) ^{1&2} DL 301 Navigation Piloting Lab# ^{1&2} DL 310 Marine Supervisory Lab# EGL 300 Advanced Writing NAU 302 Advanced Navigation ▶# NAU 320 Tank Vessel Operations ▶# NAU 330 Meteorology ▶# (Area B-Upper Div) NAU 335 ECDIS Lab ▶# ^{3&4} FALL 2022 Humanities Elective (Area C-Upper Div) DL 305 Tug and Barge# ^{3&4}	Total	3.0 1.0 (3.0) 3.0 0.0 3.0 3.0 2.0 1.0 17.0 OR 16.0 3.0 1.0	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab * ^{3&4} DL 311 Marine Management Lab * DL 320 Introduction to Bridge Simulation ▶ * NAU 120 Marine Engineering * NAU 300 Celestial Navigation Lab * NAU 300 Celestial Navigation Lab * NAU 325 Cargo Vessel Operations ▶ * NAU 325 CCDIS ▶ * ^{1&2} NAU 335 ECDIS ▶ * ^{1&2} NAU 335L ECDIS Lab ▶ * ^{1&2} Total Spring 2023 Social Science Elective (Area D-Upper Div) DL 305 Tug and Barge * ^{1&2}	1.0 1.0 2.0 3.0 4.0 0.0 3.0 2.0 1.0 16.0 OR 17.0 3.0 1.0	CRU 300 Sea Training III (Deck)► Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION CSU Writing Proficiency Requirements may be me passing the Graduate Writing Exam, or passing EGL Advanced Writing	1 8.0 et by
Arts Elective (Area C1-Lower Div) Humanities Elective (Area C2-Lower Div) ^{1&2} DL 301 Navigation Piloting Lab# ^{1&2} DL 310 Marine Supervisory Lab# EGL 300 Advanced Writing NAU 302 Advanced Navigation NAU 320 Tank Vessel Operations NAU 330 Meteorology NAU 335 ECDIS ±3 ⁸⁴ Autor 335 ECDIS ±3 ⁸⁴ FALL 2022 Humanities Elective (Area C-Upper Div) DL 305 Tug and Barge* ^{3&44} DL 405 Shipboard Medical * ^{1&2}	Total	3.0 1.0 (3.0) 3.0 0.0 3.0 2.0 1.0 17.0 OR 16.0 3.0 1.0 1.0	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab* ^{3&4} DL 311 Marine Management Lab* DL 320 Introduction to Bridge Simulation ►* NAU 120 Marine Engineering* NAU 300 Celestial Navigation * NAU 300L Celestial Navigation Lab* NAU 325 Cargo Vessel Operations ►* NAU 325 Cargo Vessel Operations ►* NAU 335 ECDIS ►* ^{1&2} NAU 335 ECDIS ►* ^{1&2} Total Spring 2023 Social Science Elective (Area D-Upper Div) DL 305 Tug and Barge* ^{1&2} DL 405 Shipboard Medical ►* ^{3&4}	1.0 1.0 2.0 3.0 4.0 0.0 3.0 2.0 1.0 16.0 OR 17.0 3.0 1.0 1.0	CRU 300 Sea Training III (Deck)► Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION CSU Writing Proficiency Requirements may be me passing the Graduate Writing Exam, or passing EGL Advanced Writing ^{1&2} Divisions 1&2 take course ^{3&4} Divisions 3&4 take course	1 8.0 et by 2 300
Arts Elective (Area C1-Lower Div) Humanities Elective (Area C2-Lower Div) ^{1&2} DL 301 Navigation Piloting Lab# ^{1&2} DL 310 Marine Supervisory Lab# EGL 300 Advanced Writing NAU 302 Advanced Navigation NAU 320 Tank Vessel Operations NAU 330 Meteorology MAU 335 ECDIS Lab NAU 335 ECDIS Lab 3 ³⁶⁴ NAU 305 Tug and Barge* BL 405 Shipboard Medical DL 405 Shipboard Medical E ^{1&2} DL <td>Total</td> <td>3.0 1.0 (3.0) 3.0 0.0 3.0 2.0 1.0 17.0 OR 16.0 3.0 1.0 1.0 1.0 1.0</td> <td>Humanities Elective (Area C2-Lower Div)^{3&4} DL 301 Navigation Piloting Lab*^{3&4} DL 311 Marine Management Lab* DL 320 Introduction to Bridge Simulation ►* NAU 120 Marine Engineering* NAU 300 Celestial Navigation * NAU 300L Celestial Navigation Lab* NAU 325 Cargo Vessel Operations ►* NAU 325 Cargo Vessel Operations ►* NAU 335 ECDIS ►*^{1&2} NAU 335 ECDIS ►*^{1&2} NAU 335L ECDIS Lab ►*^{1&2} Total Spring 2023 Social Science Elective (Area D-Upper Div) DL 305 Tug and Barge*^{1&2} DL 405 Shipboard Medical ►*^{3&4} DL 405L Shipboard Medical Lab ►*^{3&4}</td> <td>1.0 1.0 2.0 3.0 4.0 0.0 3.0 2.0 1.0 16.0 OR 17.0 3.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1</td> <td>CRU 300 Sea Training III (Deck)► Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION CSU Writing Proficiency Requirements may be me passing the Graduate Writing Exam, or passing EGL Advanced Writing ^{1&2} Divisions 1&2 take course ^{3&4} Divisions 3&4 take course ^{3&4} Divisions 3&4 take course "G4" "Golden 4" Courses (Must receive a "C-" or high</td> <td>1 8.0 et by 2 300</td>	Total	3.0 1.0 (3.0) 3.0 0.0 3.0 2.0 1.0 17.0 OR 16.0 3.0 1.0 1.0 1.0 1.0	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab* ^{3&4} DL 311 Marine Management Lab* DL 320 Introduction to Bridge Simulation ►* NAU 120 Marine Engineering* NAU 300 Celestial Navigation * NAU 300L Celestial Navigation Lab* NAU 325 Cargo Vessel Operations ►* NAU 325 Cargo Vessel Operations ►* NAU 335 ECDIS ►* ^{1&2} NAU 335 ECDIS ►* ^{1&2} NAU 335L ECDIS Lab ►* ^{1&2} Total Spring 2023 Social Science Elective (Area D-Upper Div) DL 305 Tug and Barge* ^{1&2} DL 405 Shipboard Medical ►* ^{3&4} DL 405L Shipboard Medical Lab ►* ^{3&4}	1.0 1.0 2.0 3.0 4.0 0.0 3.0 2.0 1.0 16.0 OR 17.0 3.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	CRU 300 Sea Training III (Deck)► Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION CSU Writing Proficiency Requirements may be me passing the Graduate Writing Exam, or passing EGL Advanced Writing ^{1&2} Divisions 1&2 take course ^{3&4} Divisions 3&4 take course ^{3&4} Divisions 3&4 take course "G4" "Golden 4" Courses (Must receive a "C-" or high	1 8.0 et by 2 300
Arts Elective (Area C1-Lower Div)Humanities Elective (Area C2-Lower Div)Humanities Elective (Area C2-Lower Div)DL301Navigation Piloting LabEGL300Advanced WritingNAU302Advanced NavigationNAU302Advanced NavigationNAU302Advanced NavigationNAU302Advanced NavigationNAU302Advanced NavigationNAU303MeteorologyNAU335ECDIS $\bullet^{3&4}$ NAU335ECDIS $\bullet^{3&4}$ FALL 2022Humanities Elective (Area C-Upper Div)DL305Tug and Barge $\bullet^{3&4}$ DL405Shipboard Medical $\bullet^{1&2}$ DL410Ship Handling $\bullet^{1&2}$	Total	3.0 1.0 (3.0) 3.0 0.0 3.0 2.0 1.0 17.0 OR 16.0 3.0 1.0 1.0 1.0 1.0	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab* ^{3&4} DL 311 Marine Management Lab* DL 320 Introduction to Bridge Simulation ►* NAU 120 Marine Engineering* NAU 300 Celestial Navigation * NAU 300L Celestial Navigation Lab* NAU 325 Cargo Vessel Operations ►* NAU 335 ECDIS ►* ^{1&2} NAU 335 ECDIS ►* ^{1&2} NAU 335L ECDIS Lab ►* ^{1&2} Total SPRING 2023 Social Science Elective (Area D-Upper Div) DL 305 Tug and Barge* ^{1&2} DL 405 Shipboard Medical ►* ^{3&4} DL 405 Shipboard Medical Lab ►* ^{3&4} DL 410 Ship Handling ►* ^{3&4}	1.0 1.0 2.0 3.0 4.0 0.0 3.0 2.0 1.0 16.0 OR 17.0 3.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	CRU 300 Sea Training III (Deck) Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION CSU Writing Proficiency Requirements may be me passing the Graduate Writing Exam, or passing EGL Advanced Writing 1&2 Divisions 1&2 take course 3&4 Divisions 3&4 take course "G4" "Golden 4" Courses (Must receive a "C-" or high > STCW Courses (Must receive a "C-" or higher, or	1 8.0 et by 2 300
Arts Elective (Area C1-Lower Div)Humanities Elective (Area C2-Lower Div)Humanities Elective (Area C2-Lower Div)DL301Navigation Piloting LabEGL300Advanced WritingNAU302Advanced NavigationNAU302Advanced NavigationNAU302Advanced NavigationNAU302Advanced NavigationNAU302Advanced NavigationNAU303MeteorologyNAU335ECDIS $*^{3&4}$ NAU335ECDIS $*^{3&4}$ Humanities Elective (Area C-Upper Div)DL305Tug and Barge $^{3&4}$ DL405Shipboard Medical $*^{1&2}$ DL410Ship Handling $*^{1&2}$ DL420Watchstanding Simulation	Total	3.0 1.0 (3.0) 3.0 0.0 3.0 2.0 1.0 17.0 OR 16.0 3.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab* ^{3&4} DL 311 Marine Management Lab* DL 320 Introduction to Bridge Simulation ►* NAU 120 Marine Engineering* NAU 300 Celestial Navigation * NAU 300L Celestial Navigation Lab* NAU 300L Celestial Navigation Lab* NAU 325 Cargo Vessel Operations ►* NAU 335 ECDIS ►* ^{1&2} NAU 335L ECDIS Lab ►* ^{1&2} Total SPRING 2023 Social Science Elective (Area D-Upper Div) DL 305 Tug and Barge* ^{1&2} DL 405 Shipboard Medical ►* ^{3&4} DL 405 Shipboard Medical Lab ►* ^{3&4} DL 410 Ship Handling ►* ^{3&4} LAW 315 Admiralty Law	1.0 1.0 2.0 3.0 4.0 0.0 3.0 2.0 1.0 16.0 OR 17.0 3.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	CRU 300 Sea Training III (Deck) Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION CSU Writing Proficiency Requirements may be me passing the Graduate Writing Exam, or passing EGL Advanced Writing 1&2 Divisions 1&2 take course 3&4 Divisions 3&4 take course "G4" "Golden 4" Courses (Must receive a "C-" or high STCW Courses (Must receive a "C-" or higher, or "CR")	1 8.0 et by , 300 her)
Arts Elective (Area C1-Lower Div)Humanities Elective (Area C2-Lower Div)Humanities Elective (Area C2-Lower Div)DL301Navigation Piloting Lab*EGL300Advanced WritingNAU302Advanced NavigationNAU302Advanced NavigationNAU302Advanced NavigationNAU302Tank Vessel OperationsNAU330MeteorologyMatterNAU335ECDIS $*^{3&4}$ NAU351ECDIS $*^{3&4}$ FALL 2022Humanities Elective (Area C-Upper Div)DL305Tug and Barge $*^{3&4}$ DL405Shipboard Medical $*^{1&2}$ DL410Ship Handling $*^{1&2}$ DL420Watchstanding Simulation $*$ GOV200American Government		3.0 1.0 (3.0) 3.0 0.0 3.0 2.0 1.0 17.0 OR 16.0 3.0 1.0 1.0 1.0 1.0	Humanities Elective (Area C2-Lower Div) ^{3&4} DL 301 Navigation Piloting Lab* ^{3&4} DL 311 Marine Management Lab* DL 320 Introduction to Bridge Simulation ►* NAU 120 Marine Engineering* NAU 300 Celestial Navigation Lab* NAU 300 Celestial Navigation Lab* NAU 300 Celestial Navigation Lab* NAU 300 Celestial Navigation Lab* NAU 325 Cargo Vessel Operations ►* NAU 335 ECDIS ►* ^{1&2} NAU 335L ECDIS Lab ►* ^{1&2} Total <u>SPRING 2023</u> Social Science Elective (Area D-Upper Div) DL 305 Tug and Barge* ^{1&2} DL 405 Shipboard Medical ►* ^{3&4} DL 405L Shipboard Medical Lab ►* ^{3&4} DL 410 Ship Handling ►* ^{3&4} LAW 315 Admiralty Law MGT 310 Port and Terminal Management	1.0 1.0 2.0 3.0 4.0 0.0 3.0 2.0 1.0 16.0 OR 17.0 3.0 1.0 1.0 1.0 1.0 1.0 3.0 3.0 3.0 3.0 3.0 1.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	CRU 300 Sea Training III (Deck) Total THIRD MATE'S/OICNW LICENSE REQUIRED FOR GRADUATION CSU Writing Proficiency Requirements may be me passing the Graduate Writing Exam, or passing EGL Advanced Writing 1&2 Divisions 1&2 take course 3&4 Divisions 3&4 take course "G4" "Golden 4" Courses (Must receive a "C-" or high > STCW Courses (Must receive a "C-" or higher, or	1 8.0 et by , 300 her)
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