

## Articulation Agreement

Northwestern Michigan College's Great Lakes Maritime Academy  
Glen Oaks Community College

Bachelor's of Science in Maritime Technology – Engineering Officer Program (BSMT- Engine Officer).

This agreement is between Northwestern Michigan College's Great Lakes Maritime Academy (GLMA) and Glen Oaks Community College (GOCC).

### Intent:

The intent of this agreement is to create a pathway that will allow students to attend GOCC for one year and then transfer to the GLMA. During their time at GLMA they will receive an associate's degree from GOCC via a reverse transfer agreement. Additionally, these students will have the ability to complete GLMA program requirements, and earn the degree of BSMT-Engine Officer and an unlimited horsepower merchant marine officer's license within 36 months of entering the GLMA program.

### Terms and Conditions:

Detailed procedures and general policies, reviewed and approved by each party, are outlined and contained within this articulation agreement.

- GOCC students must meet the admission requirements of Northwestern Michigan College/ GLMA. Students must apply to GLMA by 01 March to be given first consideration for this program. Applications received after this date will be addressed on a case-by-case basis. GOCC students will follow the course sequence that is contained in the *Glen Oaks Community College/ Great Lakes Maritime Academy Engineering Officer's Curriculum Guide*. All maritime courses, and all STCW seminars and competencies must be completed while enrolled at GLMA.
- Student advising: advising of GOCC students who are interested in this program, will be the responsibility of the GLMA admissions office and GOCC. Each institution will monitor the academic performance of GLMA candidates and identify problems that may interfere with the successful completion of courses at both institutions.
- Communication - Each institution agrees to cooperate in communicating with each other and with their common and respective publics concerning the established relationship between the two institutions.
  - Any marketing of the agreement in print will be subject to the prior approval of all parties. Each institution will assume responsibility for appropriate marketing to reach their respective student and faculty population.
  - Faculty and staff at all institutions will communicate information about this agreement to students and prospective cadets.
  - Each institution will provide, at its website, a link to the program information and requirements.
  - Each institution will provide in its college catalog, program information and requirements.

- Length of Agreement - This agreement will become effective upon the execution of signatures by the responsible authority for each institution and will remain in effect until the time it is terminated. All institutions agree to provide written notice of at least one full academic year in advance of termination.
- Review and Modification of the Agreement - Each institution will notify the other of any curricular changes that would affect the specifics of this agreement.
- Financial Aid – Applicants may take courses at all institutions, as well as have access to advising and other services at all institutions. However, federal regulations require that cadets receive financial aid from only a single college from which courses are taken during a given semester. Advisors should recommend that financial aid recipients take all their courses in a given semester at either NMC/GLMA or GOCC. GOCC will provide financial aid to eligible applicants/students while they complete their GOCC course work. Once the student transfers to Northwestern Michigan College’s Great Lakes Maritime Academy, financial aid will become the responsibility of Northwestern Michigan College.

All communication regarding this agreement must be addressed to:

Northwestern Michigan College  
College

Stephen N. Siciliano, Ph.D.  
Vice President for Educational Services  
170 I E. Front Street  
Traverse City, MI 49686-3061  
(231) 995-1373  
[ssiciliano@nmc.edu](mailto:ssiciliano@nmc.edu)

Glen Oaks Community College

Michael M. Goldin, Ph.D.  
Vice President of Academics  
62249 Shimmel Road  
Centreville, MI 49032  
(269) 294-4250  
[mgoldin164@glenoaks.edu](mailto:mgoldin164@glenoaks.edu)

Great Lakes Maritime Academy


G. P. Achenbach, Ed.D.  
Rear Admiral, U.S. Maritime Service  
1701 E. Front Street  
Traverse City, MI. 49686-3061  
231-995-1203  
[gachenbach@nmc.edu](mailto:gachenbach@nmc.edu)

HERETO AGREED BY:

Northwestern Michigan College, and  
Great Lakes Maritime Academy

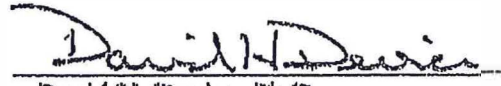
  
Stephen N. Siciliano, Ph.D.

10-11-2021  
Date

  
G.P. Achenbach Ed.D.  
Rear Admiral, U.S. Maritime Service

17 Oct 2021  
Date

Glen Oaks Community College

  
David H. Devier, Ph.D.

10-11-21  
Date

  
Michael M. Goldin, Ph.D.

10/11/2021  
Date

The following parties agree to abide by the terms and conditions of this Articulation Agreement as outlined above. The Chief Academic Officer, Superintendent of the Maritime Academy and the designee of the collaborating institutions shall be responsible for implementing this agreement, identifying and incorporating any changes into subsequent agreements, and for conducting a periodic review of this agreement.

**Glen Oaks Community College/ Great Lakes Maritime Academy Engineering Officers Curriculum Guide**

<b>First Year (fall) at GOCC</b>	<b>Credits</b>	<b>First Year (spring) at GOCC</b>	<b>Credits</b>	<b>First year summer</b>	<b>Credits</b>
ENG-121 Composition I	3	ENG-122 Composition II	3	COM-150 Public Speaking	3
MATH-151 College Algebra	4	HIST-101 Western Civilization II	4	PSY-101 Psychology	4
HIST-101 Western Civilization I	4	CHEM-130 Introductory Chemistry	4	SOC-120 Principles of Sociology	4
PSI-110 American Government	4	PHIL-210 Ethics	4		
<b>Total Credit Hours:</b>	<b>15</b>	<b>Total Credit Hours:</b>	<b>15</b>	<b>Total Credit Hours:</b>	<b>11</b>
<b>Second Year (fall) GLMA</b>	<b>Credits</b>	<b>Second Year (spring) GLMA</b>	<b>Credits</b>	<b>Second Summer</b>	<b>Credits</b>
MDK 100 Survival at Sea STCW	1	MDK 341 Ship Construction STCW	2	MNG 317 Sea Project I STCW	3
MNG 100 Intro to Vessel Operations	1	MNG 234 Electronic Fundamentals STCW	4		
MDK 149 Damage Control & Safety STCW	2	MNG 314 Diesel Engineering STCW	7		
MDK 330 Medical First Aid Provider STCW	2	MTH 122 Trigonometry	3		
MNG 104 Engine System Graphics STCW	3				
MNG 110 Engineering Mechanics STCW	3				
MNS 100 Naval Science	2				
<b>Total Credit Hours:</b>	<b>14</b>	<b>Total Credit Hours:</b>	<b>16</b>	<b>Total Credit Hours:</b>	<b>3</b>

<b>Third Year (fall) GLMA</b>	<b>Credits</b>	<b>Third Year (spring) GLMA</b>	<b>Credits</b>	<b>Third Summer</b>	<b>Credits</b>
MDK 250 Stability for Engineer	1	MNG 105 Shipboard Information Systems	3	MNG 318 Sea Project II STCW	6
MNG 250 Fluid Systems	3	MNG 271 Maritime Welding STCW	2		
MNG 260 Maritime Machining	2	MNG 275 Refrigeration STCW	3		
MNG 335 Elec Machines & Controls STCW	4	MNG 321 Marine Boilers STCW	3.5		
MNG 336 Elec Mach & Controls Lab STCW	2	MNG 322 Marine Turbines STCW	2.5		
	3	MNG 323 Marine Steam Lab STCW	1		
<b>Total Credit Hours:</b>	<b>12</b>	<b>Total Credit Hours:</b>	<b>15</b>	<b>Total Credit Hours:</b>	<b>6</b>
<b>Fourth Year (fall) GLMA</b>	<b>Credits</b>	<b>Fourth Year (spring) GLMA</b>	<b>Credits</b>		
MNG 455 Eng Rm Resource Management	2	MNG 319 Sea Project III	6		
MNG 466 Engine Room Business	2				
MNG 496 License Prep	2				
GLMA Approved Program Elective	3				
PHL 202 Cont Ethical Dilemmas	3				
<b>Total Credit Hours:</b>	<b>12</b>	<b>Total Credit Hours:</b>	<b>6</b>		

Total credits taken at GOCC: 41  
Total credits taken at NMC: 9  
Total credit hours taken at GLMA: 75  
Total credit hours for BSMT: 120  
Grand total of credit hours: 125

**Note:** The equivalent GOCC courses to these GLMA Approved Program Electives may be used to complete the first year courses in this agreement :

## List of approved program electives (NMC course transfer or equivalent)

<b>ACC 121</b> - Accounting Principles I	<b>HST 211</b> - Native American History	<b>MTH 141</b> - Calculus I*
<b>BUS 231</b> - Professional Communications	<b>HST 212</b> - African-American History	<b>MTH 142</b> - Calculus II*
<b>BUS 261</b> - Business Law I	<b>HST 213</b> - American Women's History	<b>PHL 105</b> - Critical Thinking
<b>CIT 110</b> - Programming Logic and Design	<b>HST 225</b> - American Civil War	<b>PHL 201</b> - Ethics
<b>CIT 210</b> - Microsoft Office - Excel	<b>HST 228</b> - The Vietnam War	<b>PHL 203</b> - Environmental Ethics
<b>CIT 213</b> - Networking Technologies	<b>HST 230</b> - A History of Michigan	<b>PHY 105</b> - Physics of the World Around Us
<b>CIT 233</b> - Project Management	<b>HST 235</b> - 20th Century Europe	<b>PHY 121</b> - General Physics I*
<b>COM 101</b> - Introduction to Communication	<b>HUM 101</b> - Introduction to Humanities	<b>PHY 122</b> - General Physics II*
<b>COM 111</b> - Public Speaking	<b>HUM 102</b> - Introduction to Humanities	<b>PLS 132</b> - Comparative Politics
<b>DD 110</b> - Basic Metallurgy	<b>HUM 116</b> - World Cultures	<b>PLS 211</b> - International Relations
<b>EET 221</b> - Industrial Controls*	<b>MDK 445</b> - Liquid Cargo Stowage	<b>PLS 233</b> - U.S. Foreign Policy
<b>EET 232</b> - Programmable Logic Controllers*	<b>MFG 114</b> - Machining II*	<b>PSY 101</b> - Introduction to Psychology
<b>EET 304</b> - Marine Electronics*	<b>MFG 217</b> - CNC Operations - Lathe*	<b>PSY 223</b> - Intro to Social Psychology*
<b>EGR 201</b> - Statics*	<b>MFG 304</b> - Marine Hydraulics	<b>PSY 231</b> - Psychology of Adjustment*
<b>EGR 202</b> - Mechanics of Materials*	<b>MGT 241</b> - Principles of Management	<b>RAM 155</b> - Microcontroller Programming
<b>EGR 203</b> - Dynamics*	<b>MGT 251</b> - Human Resources Management	<b>SOC 101</b> - Introduction to Sociology
<b>HST 101</b> - Western Civilization to 1500AD	<b>MNS 200</b> - Naval Science II	<b>SOC 211</b> - Marriage and the Family
<b>HST 102</b> - Western Civilization from 1500	<b>MNS 250</b> - Leadership and Ethics	<b>SOC 231</b> - Deviance and Criminal Behavior
<b>HST 111</b> - US History to 1865	<b>MTH 116</b> - Intro to Computer Science	
<b>HST 112</b> - US History Since 1865	<b>MTH 131</b> - Intro to Prob &Stats*	

\* Prerequisite required:

MFG 114 and 217 are met by MNG 260 and may require an instructor signature

EET 221, 232, and 234 are met by MNG 234 and may require an instructor signature

All other courses with a required prerequisite must be met by the course(s) required in the catalog