

MARITIME - DECK OFFICER, BACHELOR OF SCIENCE

Great Lakes Maritime Academy

NMC Code 850

The Great Lakes Maritime Academy prepares students for the challenge of operating commercial ships of unlimited tonnage on the Great Lakes and oceans as merchant marine officers and business professionals. Deck officers train to become pilots and mates, navigating ships through open waters and narrow harbors — ships which may stretch to one thousand feet in length. Deck Officers manage the deck department and oversee loading and discharging of cargo, and are responsible for the ship's business.

All qualified deck cadets write the U.S. Coast Guard examination for licensing as a Third Mate Great Lakes and any Oceans Unlimited Tonnage and First Class Great Lakes Pilot. Graduates are fully compliant with STCW International Quality Standards. The four-year curriculum awards a Bachelor of Science Degree in Maritime Technology. For those entering with a bachelor's degree, an accelerated three-year program also awards the bachelor's degree.

Requirements

Major Requirements

Course	Title	Credits
General Education Requirements		
ENG 111	English Composition	4
ENG 112	English Composition	4
PHL 202	Contemporary Ethical Dilemmas	3
Any Group 1 Humanities course		3
Math Competency ¹		7
Group 1 Social Science		3
ENV 117	Meteorology & Climatology	4
PHY 105	Physics of the World Around Us	4
Maritime Requirements		
MDK 100	Survival at Sea	1
MDK 104	Rigging & Ship Maintenance Lab	1
MDK 106	Watchstanding I	1
MDK 112	Rules of the Nautical Road	2
MDK 121	Navigation I	3
MDK 122	Navigation I Lab	1
MDK 149	Damage Control & Safety	2
MDK 200	Ship Business & Labor Relation	3
MDK 206	Watchstanding II	1
MDK 210	Deck Sea Project I	6
MDK 221	Lakes Piloting	2
MDK 222	River Piloting	3
MDK 242	Ship Stability	3
MDK 311	Deck Sea Project II	6
MDK 312	Deck Sea Project III	6
MDK 324	Navigation III	3
MDK 330	Medical First Aid Provider	2

MDK 331	Electronic Navigation	3
MDK 332	Electronic Navigation Lab	1
MDK 333	Automatic Radar Plotting Aids	1
MDK 341	Ship Construction	2
MDK 345	Dry Cargo Stowage	3
MDK 404	Marine Supervisory Lab	1
MDK 411	Marine Communications	2
MDK 431	ECDIS	3
MDK 445	Liquid Cargo Stowage	2
MDK 450	Vessel & Port Security Officer	2
MDK 446	Bridge Resource Management	3
MDK 448	Pilot/Mate License Prep	4
MDK 454	GMDSS	3
MNG 100	Intro to Vessel Operations	1
MNG 105	Shipboard Information Systems	3
MNS 100	Naval Science	2
General Elective		3
Occupational Specialty Requirements		
MGT 241	Principles of Management	3
Total Credits		120

¹ Placement into MTH 141 Calculus I **or** higher, **or** completion of MTH 121 College Algebra and MTH 122 Trigonometry

Course Sequence Guide 3 Year Deck Officer

For those entering with a bachelor's degree

Course	Title	Credits
First Year		
Fall		
MNS 100	Naval Science	2
MDK 104	Rigging & Ship Maintenance Lab	1
MNG 105	Shipboard Information Systems	3
MDK 106	Watchstanding I	1
MDK 149	Damage Control & Safety	2
MDK 330	Medical First Aid Provider	2
MTH 122	Trigonometry	3
PHY 105	Physics of the World Around Us	4
Credits		18
Spring		
MDK 112	Rules of the Nautical Road	2
MDK 121	Navigation I	3
MDK 122	Navigation I Lab	1
MDK 331	Electronic Navigation	3
MDK 332	Electronic Navigation Lab	1
MDK 333	Automatic Radar Plotting Aids	1
MDK 341	Ship Construction	2
Group 1 Humanities Elective		3
Credits		16
Summer		
MDK 100	Survival at Sea	1

MNG 100	Intro to Vessel Operations	1
MDK 210	Deck Sea Project I ²	6
Credits		8
Second Year		
Fall		
MDK 200	Ship Business & Labor Relation	3
MDK 221	Lakes Piloting (Nav II)	2
MDK 242	Ship Stability	3
MDK 404	Marine Supervisory Lab	1
MDK 411	Marine Communications	2
ENV 117	Meteorology & Climatology ¹	4
PHL 202	Contemporary Ethical Dilemmas	3
Credits		18
Spring		
MDK 206	Watchstanding II	1
MDK 222	River Piloting	3
MDK 324	Navigation III	3
MDK 345	Dry Cargo Stowage	3
MDK 445	Liquid Cargo Stowage	2
MDK 450	Vessel & Port Security Officer	2
MDK 454	GMDSS	3
Credits		17
Summer		
MDK 311	Deck Sea Project II ²	6
Credits		6
Third Year		
Fall		
MDK 431	ECDIS	3
MDK 446	Bridge Resource Management	3
MDK 448	Pilot/Mate License Prep	4
MGT 241	Principles of Management	3
Credits		13
Spring		
MDK 312	Deck Sea Project III ²	6
Credits		6
Total Credits		102

¹ General education classes² Sailing projects on training or commercial ships

Course	Title	Credits
GLMA approved transfer credits		18
Maritime/Sea Projects Credit Hours		82
NMC Credit Hours		20
BSMT Degree requires 120 credit hours. Classes indicated as tested out (TO) or waived (W) must be replaced with classes approved by department head.		
Cadets must earn a minimum of 2.0 grade in all Maritime, NMC and transfer classes.		
Total Credits		120

Requirements/Certifications

- MARAD Basic and Advanced Firefighting
- Personal Safety & Social Responsibility Training
- Completed Sea Days (300 Required)
- In Port Sea Days (30 required)

4 Year Deck Officer

Course	Title	Credits
First Year		
Fall		
MNS 100	Naval Science	2
MDK 104	Rigging & Ship Maintenance Lab	1
MNG 105	Shipboard Information Systems	3
MDK 106	Watchstanding I	1
ENG 111	English Composition ¹	4
MTH 121	College Algebra ¹	4
Credits		15
Spring		
MDK 112	Rules of the Nautical Road	2
MDK 121	Navigation I	3
MDK 122	Navigation I Lab	1
MDK 149	Damage Control & Safety	2
ENG 112	English Composition ¹	4
MTH 122	Trigonometry ¹	3
Credits		15
Summer		
MDK 100	Survival at Sea	1
MNG 100	Intro to Vessel Operations	1
MDK 210	Deck Sea Project I ²	6
Credits		8
Second Year		
Fall		
MDK 200	Ship Business & Labor Relation	3
MDK 221	Lakes Piloting (Nav II)	2
MDK 242	Ship Stability	3
MDK 404	Marine Supervisory Lab	1
PHY 105	Physics of the World Around Us ¹	4
PHY 105L	Physics/World Around Us Lab	0
Credits		13
Spring		
MDK 222	River Piloting	3
MDK 330	Medical First Aid Provider	2
MDK 331	Electronic Navigation	3
MDK 332	Electronic Navigation Lab	1
MDK 333	Automatic Radar Plotting Aids	1
MDK 345	Dry Cargo Stowage	3
MDK 445	Liquid Cargo Stowage	2
Credits		15
Summer		
TOAR / Pilots / Sea Days		
Credits		0

Third Year**Fall**

MDK 311	Deck Sea Project II ²	6
Credits		6

Spring

MDK 206	Watchstanding II	1
MDK 341	Ship Construction	2
MDK 324	Navigation III	3
ENV 117	Meteorology & Climatology ¹	4
ENV 117L	Meteorology & Climatology Lab	0
Group 1 Humanities Elective		3
Group 1 Social Science Elective		3
Credits		16

Summer

MDK 312	Deck Sea Project III ²	6
Credits		6

Fourth Year**Fall**

MDK 411	Marine Communications	2
MDK 431	ECDIS	3
MDK 446	Bridge Resource Management	3
MDK 448	Pilot/Mate License Prep	4
Credits		12

Spring

MDK 450	Vessel & Port Security Officer	2
MDK 454	GMDSS	3
PHL 202	Contemporary Ethical Dilemmas ¹	3
MGT 241	Principles of Management ¹	3
General Elective		3
Credits		14

Total Credits **120**

¹ General education classes

² Sailing projects on training of commercial ships

Course	Title	Credits
Maritime/Sea Projects Credit Hours		82
NMC Credit Hours		38

BSMT Degree requires 120 credit hours. Classes indicated as tested out (TO) or waived (W) must be replaced with classes approved by department head.

Cadets must earn a minimum of 2.0 grade in all Maritime, NMC and transfer classes.

Total Credits **120**

REQUIREMENTS/CERTIFICATIONS

- First Aid/CPR/AED
- Firefighting
- Personal Safety & Social Responsibility Training
- Completed Sea Days
- In Port Sea Days (24 required)
- MDK 100 Survival at Sea completion date