



Northwestern  
Michigan  
College

## Bachelor of Science Maritime Technology

### MARINE TECHNOLOGY MAJOR

Program Code: 570

### STUDENT COURSE LIST

<b>Student's Name</b>		<b>Student's ID</b>	
<b>Begin Date</b>		<b>Meeting Dates:</b>	

Complete	CRN	GENERAL EDUCATION REQUIREMENTS	CREDITS/ CONTACTS	PRE-REQS	SEMESTER OFFERED	SUGGESTED SEMESTER
		ENG 111	English Composition	4/4	COMPASS	All
		ENG 220	Technical Writing	3/3	ENG 111	Fall, Spring
		ECO 202	Microeconomics	3/3	None	Fall, Spring
		GEO 115	Introduction to GIS	3/4	None	Fall, Spring
		PHL 105	Critical Thinking	3/3	ENG 11/111	All
		PHL 202	Contemporary Ethical Dilemmas	3/3	ENG 11/111	All
		MTH 121	College Algebra	4/4	MTH111	Fall, Spring
		MTH 122	Trigonometry	3/3	MTH121	Fall, Spring
		MTH 131	Intro to Probability and Statics	3/3	MTH111	Fall, Spring
		MTH 141	Calculus I	5/5	MTH122	Fall, Spring
		ENV 117 & 117L	Meteorology w/Lab	4/5	MTH 23	Fall, Spring
		ENV 131 & ENV 131L	Oceanography w/Lab	4/5	MTH 23	Spring
		PHY 121	General Physics I	4/6	MTH122	Fall, Spring
		PHY 122	General Physics II	4/6	MTH122	Spring

		CORE TECHNICAL REQUIREMENTS				
		EET 102	Introduction to Engineering Technology	2/2	COMPASS MTH08,ENG97	Fall, Spring
		DD 170	CADD/Computer Modeling	4/5	None	Fall, Spring
		MFG 103	Manufacturing Processes	3/3	None	Fall, Spring
		MFG 104	Fluid Power	4/5	None	Fall, Spring
		EET 103	Electrical Studies I	3/4	None	Fall, Spring
		EET 104	Electrical Studies II	3/4	EET 103	Fall, Spring
		CIT 110	Programming Logic & Design	3/3	MTH 111	Fall, Spring
		RAM 120	Robotics & Automation I	3/4	CIT 110, EET 103	Fall, Spring

Complete	CRN	SPECIALIZATION COURSES - AAS	CREDITS/ CONTACTS	PRE-REQS*	SEMESTER OFFERED	SUGGESTED SEMESTER
		WSI 200	G. L. Research Technologies	3/4	MTH 111 & ENG 111	Summer
		WSI 210	Underwater Acoustics & Sonar	3/4	MTH 111	Spring
		WSI 215	Marine GIS & Data Processing	3/3	ENV 115 or GEO 115	Spring
		WSI 240	ROV Systems & Operations	3/4	MTH 111 & EET103	Spring

Complete	CRN		SPECIALIZATION COURSES - BSMT	CREDITS/ CONTACTS	PRE-REQS*	SEMESTER OFFERED	SUGGESTED SEMESTER
		WSI 300	Remote Sensing and Sensors	3/4	WSI 200 & WSI 315		
		EET 304	Marine Electronics	3/4	EET 104		
		MFG 304	Marine Hydraulics	4/5	MFG 104		
		WSI 310	Sonar Systems & Operations	4/6	WSI 200& WSI 210		
		WSI 315	Advanced Marine Data Processing	3/4	WSI 215		
		WSI 390	Internship (or)	3/3	60 program credits		
		WSI 397	Independent Study	3/3	Instructor Permission		
		WSI 400	Marine Technology Capstone	4/4	WSI 200, WSI 300, WSI 433		
		WSI 405	Marine Industry and Business	3/3	WSI 200 & WSI 390 or WSI 397		
		WSI 433	Marine Project Management	3/4	RAM 120, WSI 200, WSI 210, WSI 215, WSI 240		
		WSI 440	Autonomous Underwater Vehicles	3/4	WSI 240, CIT 110, EET 304,		
<b>TOTAL PROGRAM CREDITS REQUIRED: 120</b>							

**Additional Program Requirements:**                    **HAZWOPER 40 hour Certification**  
**First Aid / CPR / AED**

Notes:

**Northwestern Michigan College**  
**1701 E Front Street**  
**Traverse City, MI 49686**  
**231.995.1300**  
**[www.nmc.edu/marinetech](http://www.nmc.edu/marinetech)**

**December 10, 2014**