

MARINE TECHNOLOGY, BACHELOR OF SCIENCE

Course Sequence Guide

Course	Title	Credits
Year 1		
Fall		
ENG 111	English Composition	4
PHL 105 or PHL 203	Critical Thinking or Environmental Ethics	3
EET 102	Intro to Engineering Tech	2
EET 103	Electrical Studies I	3
RAM 155	Microcontroller Programming	3
Credits		15
Spring		
ENG 220	Technical Writing	3
RAM 205	Microcontroller Systems	3
DD 170	CADD/Computer Modeling	4
EET 204	Electrical Studies II	3
Credits		13
Summer		
WSI 200	GL Research Technologies (Summer only)	3
Credits		3
Year 2		
Fall		
MTH 121	College Algebra	4
GEO 115	Introduction to GIS	3
MFG 104	Fluid Power	3
WSI 210	Underwater Acoustics and Sonar (Fall only)	3
WSI 240	ROV Systems and Operations (Fall only)	3
Credits		16
Spring		
MTH 122	Trigonometry	3
ENV 117	Meteorology & Climatology	4
EET 260	System Engineering in Practice (Spring only)	3
WSI 215	Marine GIS & Data Processing (Spring only)	3
WSI 315	Advanced Marine Survey & Data (Spring only)	3
Credits		16
Summer		
WSI 310 or WSI 440	Sonar Systems and Operations (Summer only) or Advanced Marine Platforms	3-4
Credits		3-4
Year 3		
Fall		
MTH 141	Calculus I	5
PHY 121	General Physics I (Fall only)	4
EET 304	Marine Electronics (Fall only)	3

WSI 300	Remote Sensing and Sensors	3
Credits		15
Spring		
PHY 122	General Physics II (Spring only)	4
ENV 131	Oceanography	4
MFG 304	Marine Hydraulics (Spring only)	3
MTH 131	Intro to Prob & Stats	3
Credits		14
Summer		
WSI 390	Marine Tech Internship ¹	3
Or WSI 297A Independent Study - Water Studies		
WSI 440 or WSI 310	Advanced Marine Platforms or Sonar Systems and Operations	3-4
Credits		6-7
Year 4		
Fall		
WSI 405	Marine Industry (Fall only)	3
ECO 202	Principles of Microeconomics	3
Approved Technical Elective		3
Credits		9
Spring		
PHL 202	Contemporary Ethical Dilemmas	3
WSI 400	Marine Technology Capstone	4
WSI 433	Marine Project Management (Spring only)	3
Optional: Internship or Independent Study		3
Credits		10
Total Credits		120-122

¹ WSI 390 (<https://catalog.nmc.edu/archives/2021-2022/search/?P=WSI%20390>) Marine Tech Internship or WSI 297A Independent Study - Water Studies **option to take Summer year 3 OR Spring year 4**