

# MARINE TECHNOLOGY, BACHELOR OF SCIENCE

## Course Sequence Guide

Course	Title	Credits	Spring	Credits
<b>Year 1</b>			ENV 131	Oceanography
<b>Fall</b>			MTH 131	Intro to Prob & Stats
EET 103	Electrical Studies I	3	Approved Technical Electives	6
ENG 111	English Composition	4		
Group 1 Humanities		3		
RAM 155	Microcontroller Programming	3	<b>Summer</b>	<b>Credits</b>
WSI 106	Introduction to Water Quality	3	WSI 390	Marine Tech Internship <sup>1</sup>
	<b>Credits</b>	<b>16</b>	OR WSI 297A Independent Study - Water Studies	3
<b>Spring</b>			WSI 440 or WSI 310	Advanced Marine Platforms or Sonar Systems and Operations
DD 170	CADD/Computer Modeling	4		3-4
EET 204	Electrical Studies II	3		
ENG 220	Technical Writing	3	<b>Credits</b>	<b>6-7</b>
RAM 205	Microcontroller Systems	3	<b>Year 4</b>	
	<b>Credits</b>	<b>13</b>	<b>Fall</b>	
<b>Summer</b>			ECO 202	Principles of Microeconomics
WSI 200	GL Research Technologies (Summer only)	3	Approved Technical Electives	6
	<b>Credits</b>	<b>3</b>		
<b>Year 2</b>				<b>Credits</b>
<b>Fall</b>			WSI 400	Marine Technology Capstone
GEO 115	Introduction to GIS	3	WSI 405	Marine Industry (Spring only)
MFG 104	Fluid Power	3	WSI 433	Marine Project Management (Spring only)
MTH 121	College Algebra	4	<b>Optional: Internship or Independent Study</b>	3
WSI 210	Underwater Acoustics and Sonar (Fall only)	3		
WSI 240	ROV Systems and Operations (Fall only)	3		
	<b>Credits</b>	<b>16</b>		
<b>Spring</b>				<b>Total Credits</b>
ENV 117	Meteorology & Climatology	4		<b>120-122</b>
MTH 122	Trigonometry	3		
UAS 121	UAS Applications in Surveying (Spring only)	3		
WSI 215	Marine GIS & Data Processing (Spring only)	3		
WSI 315	Advanced Marine Survey & Data (Spring only)	3		
	<b>Credits</b>	<b>16</b>		
<b>Summer</b>				
WSI 310 or WSI 440	Sonar Systems and Operations (Summer only)	3-4		
	or Advanced Marine Platforms			
	<b>Credits</b>	<b>3-4</b>		
<b>Year 3</b>				
<b>Fall</b>				
PHY 121	General Physics I (Fall only)	4		
SVR 111	Intro to Field Surveying (Fall only)	2		
WSI 300	Remote Sensing and Sensors	3		
WSI 304	Marine Electronics	3		
	<b>Credits</b>	<b>12</b>		

<sup>1</sup> WSI 390 Marine Tech Internship or WSI 297A Independent Study - Water Studies **option to take Summer year 3 OR Spring year 4.**