

# MARITIME - POWER SYSTEMS, BACHELOR OF SCIENCE

## Course Sequence Guide

Course	Title	Credits
<b>Year 1</b>		
<b>Pre-Fall</b>		
MDK 100	Survival at Sea <sup>1</sup>	1
MNG 100	Intro to Vessel Operations <sup>1</sup>	1
<b>Credits</b>		<b>2</b>
<b>Fall</b>		
MNG 104	Engine Systems Graphics	3
MNG 105	Shipboard Information Systems	3
ENG 111	English Composition	4
MTH 121	College Algebra	4
<b>Credits</b>		<b>14</b>
<b>Spring</b>		
MTH 122	Trigonometry	3
MNG 234	Electronic Fundamentals	4
MNG 314	Diesel Engineering	7
ENG 220	Technical Writing <sup>2</sup>	3
<b>Credits</b>		<b>17</b>
<b>Summer</b>		
MNG 318	Engineering Sea Project II (Internship)	6
<b>Credits</b>		<b>6</b>
<b>Year 2</b>		
<b>Fall</b>		
MNG 250	Fluid Systems	3
MNG 260	Maritime Machining	2
MNG 335	Electric Machines and Controls	4
MNG 336	Electric Mach. & Controls Lab	2
CHM 101	Introductory Chemistry	4
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
MNG 105	Shipboard Information Systems	3
EET 221	Industrial Controls	3
MNG 271	Maritime Welding	2
MNG 321	Marine Boilers	3.5
MNG 322	Marine Turbines	2.5
MNG 323	Marine Steam Lab	1
<b>Credits</b>		<b>15</b>
<b>Summer</b>		
No Classes		
<b>Credits</b>		<b>0</b>
<b>Year 3</b>		
<b>Fall</b>		
MNG 319	Engineering Sea Project III (Internship)	6
<b>Credits</b>		<b>6</b>

<b>Spring</b>		
MNG 275	Refrigeration	3
MNG 270	Issues in Power Production	3
EET 232	Programmable Logic Controllers	3
DD 110	Basic Metallurgy	3
MDK 330	Medical First Aid Provider	2
<b>Credits</b>		<b>14</b>
<b>Summer</b>		
MNG 317	Engineering Sea Project I (Internship)	3
<b>Credits</b>		<b>3</b>
<b>Year 4</b>		
<b>Fall</b>		
NMC Humanities Elec (GRP 1)		3
NMC Social Science Elec (GRP 1)		3
MGT 241	Principles of Management	3
NMC Program Elective		3
NMC Program Elective		3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
NMC Program Elective		3
NMC Program Elective		3
NMC Program Elective		3
NMC Program Elective		3
NMC Program Elective		3
<b>Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>122</b>

<sup>1</sup> **Mandatory** orientation also done at this time

<sup>2</sup> ENG 112 English Composition may be substituted for ENG 220 Technical Writing.

## Additional Requirements/Certifications

- First Aid/CPR/AED
- Personal Safety & Social Responsibility Training
- MDK 100 Survival at Sea completion date
- Orientation Completion Date<sup>1</sup>

<sup>1</sup> **Mandatory** orientation also done at this time

Course	Title	Credits
MNG/MDK and Internship Credit Hours		65
NMC Credit Hours		57
<b>Total Credits</b>		<b>122</b>

BSMT requires 120 credit hours. Classes indicated as "TO" (tested out of) or "W" (waived) must be replaced with classes approved by the department head. A "T" indicates a class that has transferred.