Naval Science, Minor

Chairperson: Lonnie Appleget, CAPT, USN
Department of Navy ROTC website (http://www.marquette.edu/rotc/navy/)

The Marquette University Department of Naval Science offers a naval science minor area of study for undergraduate students interested in pursuing a commission as an officer in the United States Navy or Marine Corps. The primary purpose of this minor is to teach prospective Naval and Marine Corps Officers the history of the Navy, current naval affairs, maritime strategy and the evolution of that strategy throughout the Navy and Marine Corps, operations and functions of current naval vessels, as well as a strong and continuing emphasis on leadership and moral decision making throughout every one of the classes. The course work provides students with the opportunity to acquire sound judgment, leadership, historical knowledge and current naval functions which are essential in becoming an officer in the Navy and Marine Corps.

Minor in Naval Science

The minor in naval science consists of a minimum of 21-23 credit hours of Naval Science courses from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Naval Science Courses:</td>
<td></td>
</tr>
<tr>
<td>NASC 1009</td>
<td>Introduction to Naval Science</td>
<td>2</td>
</tr>
<tr>
<td>NASC 1022</td>
<td>Sea Power and Maritime Affairs</td>
<td>3</td>
</tr>
<tr>
<td>NASC 2151</td>
<td>Navigation</td>
<td>3</td>
</tr>
<tr>
<td>NASC 2185</td>
<td>Leadership and Management</td>
<td>3</td>
</tr>
<tr>
<td>NASC 3142</td>
<td>Naval Ship Systems 1</td>
<td>3</td>
</tr>
<tr>
<td>NASC 3162</td>
<td>Naval Ship Systems 2</td>
<td>3</td>
</tr>
<tr>
<td>NASC 4152</td>
<td>Naval Operations and Seamanship</td>
<td>3</td>
</tr>
<tr>
<td>NASC 4186</td>
<td>Leadership and Core-Value-Based Decision-Making</td>
<td>3</td>
</tr>
<tr>
<td>or NASC 4995</td>
<td>Independent Study in Naval Sciences</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 23

Marine Option:

Students are required to complete 21 credit hours in NASC courses, as listed below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required Courses:</td>
<td></td>
</tr>
<tr>
<td>NASC 1009</td>
<td>Introduction to Naval Science</td>
<td>2</td>
</tr>
<tr>
<td>NASC 1022</td>
<td>Sea Power and Maritime Affairs</td>
<td>3</td>
</tr>
<tr>
<td>NASC 2185</td>
<td>Leadership and Management</td>
<td>3</td>
</tr>
<tr>
<td>NASC 3161</td>
<td>Evolution of the Art of War</td>
<td>3</td>
</tr>
<tr>
<td>NASC 3191</td>
<td>Fundamentals of Maneuver Warfare</td>
<td>3</td>
</tr>
<tr>
<td>NASC 3964</td>
<td>Practicum in U.S. Marine Corps Leadership and Management</td>
<td>4</td>
</tr>
<tr>
<td>NASC 4186</td>
<td>Leadership and Core-Value-Based Decision-Making</td>
<td>3</td>
</tr>
<tr>
<td>or NASC 4995</td>
<td>Independent Study in Naval Sciences</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 21

Additional Requirements for Navy Option Scholarship Students:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Calculus - Must complete by end of sophomore year:</td>
<td></td>
</tr>
<tr>
<td>MATH 1450</td>
<td>Calculus 1</td>
<td>8</td>
</tr>
<tr>
<td>&amp; MATH 1451</td>
<td>and Integral Calculus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Physics - Must complete by end of junior year:</td>
<td></td>
</tr>
<tr>
<td>PHYS 1003</td>
<td>General Physics with Introductory Calculus 1</td>
<td>8</td>
</tr>
<tr>
<td>&amp; PHYS 1004</td>
<td>and General Physics with Introductory Calculus 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>History or Political Science Course - Choose one of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>the following:</td>
<td></td>
</tr>
<tr>
<td>HIST 3118</td>
<td>American Military History</td>
<td>3</td>
</tr>
<tr>
<td>or POSC 4376</td>
<td>American National Security Policy</td>
<td></td>
</tr>
</tbody>
</table>
English - Must complete two courses

*World Culture Courses - Choose one of the following courses:

History Courses:
- HIST 1301 History of Latin America
- HIST 1401 Africa
- HIST 1501 East Asia
- HIST 3455 Middle East
- HIST 4450 North Africa
- HIST 4500 Modern Japan
- HIST 4555 Modern China
- HIST 4931 Topics in History (if relevant to Third World and/or Middle Eastern cultures)

Political Science Courses:
- POSC 4521 Chinese Politics
- POSC 4731 International Politics of Asia

Theology Courses:
- THEO 4520 Jewish Thought and Practice
- THEO 4530 Islam: Faith and Practice

Total Credit Hours: 28

Notes:
- NROTC students should note that most programs will probably entail more than the minimum credits normally required for graduation.
- Core and major requirements may dictate which combination of calculus courses must be taken.
- *Other world culture courses must be approved by NROTC.
- To be competitive for selection for a scholarship, non-scholarship students should plan on completing two terms of calculus: MATH 1450 Calculus 1 and MATH 1451 Integral Calculus by the end of the freshman year and two terms of physics: PHYS 1003 General Physics with Introductory Calculus 1 and PHYS 1004 General Physics with Introductory Calculus 2 by the end of the sophomore year. For specific details, contact the professor of Naval Science.

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