From: Commanding Officer, Naval Reserve Officers Training Corps, Mid-South Region, The University of Memphis
To: Assistant Professors of Naval Science, Naval Reserve Officers Training Corps, Mid-South Region, The University of Memphis

Subj: APPROVED COURSES THAT FULFILL NAVAL ROTC REQUIREMENTS

Ref: (a) NSTC M-1533.2

1. Per reference (a), the following non-Naval Science coursework is required for each Naval Reserve Officers Training Corps (NROTC) program:

<table>
<thead>
<tr>
<th>Course</th>
<th>Completed by end of year:</th>
<th>Minimum Semester Hours</th>
<th>Scholarship</th>
<th>College Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus</td>
<td>Sophomore</td>
<td>6</td>
<td>R A A A N P</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>Junior</td>
<td>6</td>
<td>R A A A N P</td>
<td></td>
</tr>
<tr>
<td>College Algebra or Advanced Trigonometry</td>
<td>Junior</td>
<td>6</td>
<td>-- -- R A N P</td>
<td></td>
</tr>
<tr>
<td>Physical Science</td>
<td>Senior</td>
<td>6</td>
<td>-- -- R A N P</td>
<td></td>
</tr>
<tr>
<td>American History or National Security Policy</td>
<td>Senior</td>
<td>3</td>
<td>R R R N P</td>
<td></td>
</tr>
<tr>
<td>World Culture and Regional Studies</td>
<td>Senior</td>
<td>3</td>
<td>R A R P R R</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>Sophomore</td>
<td>6</td>
<td>R R R R R R</td>
<td></td>
</tr>
</tbody>
</table>
R = Required
A = Advised to ease change to USN scholarship status
N = Not required by Navy
P = Per program authorizations

2. The following are the requirements for calculus:

a. The calculus sequence shall include material through differential and integral calculus of one real variable.

b. Calculus courses are to be completed at the university at which the student is enrolled (host university or cross-town school).

c. Students who have taken calculus for college credit in high school, which the college has validated, must complete one additional three semester-hour (or equivalent) college course to satisfy this requirement.

d. In no case will the unit accept calculus credit via online or distance learning.

3. The following are the requirements for physics:

a. The physics sequence shall be calculus-based and cover the traditional topics of mechanics, electricity, magnetism, sound, optics, heat, and other related subject matter. Students shall include appropriate laboratory classes in completing the physics requirement.

b. Physics courses are to be completed at the university at which the student is enrolled (host university or cross-town school).

c. Students who have taken calculus-based physics for college credit in high school, which the college has validated, must complete one additional three semester-hour (or equivalent) college course to satisfy this requirement.

d. In no case will the unit accept physics credit via online or distance learning.

4. Navy College Program Students must complete a one year of college level study in both mathematics and physical science with the following requirements:

a. Mathematics courses must be at the level of college algebra or higher.

b. The physical science requirement can be met by completing a one-year sequence, or two courses, in an area of physical science. Students shall include appropriate laboratory classes in completing the science requirement.

c. Physical science subjects include chemistry, physics, earth science, astronomy, geology, agrophysics, soil science, geomorphology, geophysics, physical geography, seismology, meteorology, and speleology.
6. The following courses at The University of Memphis fulfill the requirements in:

a. American History or National Security Policy:

- HIST 2010 US to 1877
- HIST 2020 US Since 1877
- HIST 3803 American Diplomatic History
- HIST 3811 U.S. Military and Naval History
- HIST 3815 World War II
- HIST 4106 War in the Modern World
- HIST 4670 Civil War and Reconstruction 1850-1877
- HIST 4701 US 1914 to World War II
- HIST 4702 US Since World War II
- POLS 1501 International Relations
- POLS 3506 American Foreign Policy
- POLS 3509 Contemp Problems in Intl. Relations
- POLS 4506 Problems of American Foreign Policy
- POLS 4511 International Conflict

b. World Culture and Regional Studies:

- HIST 3212 Latin American Nations
- HIST 3233 Caribbean History
- HIST 3273 Islamic Civilization
- HIST 3275 History of Jewish People
- HIST 3282 History of Africa since 1500
- HIST 3290 Traditional East Asia
- HIST 3291 Modern Asia
- HIST 3817 Vietnam War Global Perspective
- HIST 4221 20th Century Latin Amer Rev
- HIST 4272 Modern Middle East
- HIST 4276 Palestine/Zion/Israel/Conflict
- HIST 4292 Modern China 1800-Present
- HIST 4294 Modern Japan 1800-Present
- POLS 3306 Latin American Government/Politics
- POLS 3309 Government/Politics of Mid East
- POLS 3325 Politics/Developing World
- POLS 4307 Govt and Pol Communist China
- POLS 4508 Theories International Relations
- UNIV 4830 Israeli/Arab Conflict
- JDST 2850 Religions of Abraham
- JDST 4820 Political History of Israel
- JDST 4830 Israeli/Arab Conflict
- JDST 4840 Israel/Antiquity in Modernity
- ANTH 3242 Peoples of Africa
ANTH 4840 Israel/Antiquity in Modernity

c. English

ENGL 1010 English Composition
ENGL 1020 English Composition and Analysis
ENGL 3500 Practical English Grammar
ENGL 3501 Modern English Grammar
ENGL 3601 Technical and Professional Writing
ENGL 3602 Professional Editing
ENGL 3603 Engineering Communications
ENGL 3604 Persuasive Writing
ENGL 3608 Creative Nonfiction Writing
ENGL 4602 Advanced Composition

7. The following courses at Christian Brothers University fulfill the requirements in:

a. American History or National Security Policy:

HIST 339 Europe and the Great War
HIST 343 The American Revolution and Early National Period
HIST 346 The Civil War and Reconstruction
HIST 375 United States Foreign Policy
POLS 113 World Politics
POLS 370 International Law
POLS 375 United States Foreign Policy

b. World Culture and Regional Studies:

CHIN 214 Introduction to Chinese Culture
HIST 315 Modern East Asia
HIST 336 Africa and the West Since 1450
HIST 376 Mexico, Central America and the Caribbean
HIST 377 Revolutionary Latin America
RS 270 World Religions
RS 355 Judaism
RS 360 Islam

c. English

ENG 111 English Composition I
ENG 112 English Composition II
ENG 371 Business Writing
ENG 373 Advanced Composition
ENG 375 Scientific and Technical Writing
8. Students who have completed these courses by validation, such as CLEP examination, previous college experience, etc., shall be considered to have completed the requirement; however, the validation must appear on the transcript. The only exception to this is as previously stated for calculus and calculus-based physics.

9. If a student believes that another course should fulfill a non-Naval Science NROTC requirement, he/she must submit a chit to the Professor of Naval Science for approval for that course before taking the course.