B.S. IN MARINE SCIENCE/GEOLICAL SCIENCES

In addition to those courses that satisfy General Education Requirements, the required courses for the undergraduate major in Marine Science/Geological Sciences are:

**Marine Science**

MSC 111  Introduction to Marine Science  3
MSC 215  Chemical Oceanography  3
MSC 230  Introduction to Marine Biology  3
MSC 301  Introduction to Physical Oceanography  3
Select two of the following:  2
MSC 216  Chemical Oceanography Laboratory
MSC 232  Introduction to Marine Biology Laboratory
MSC 302  Introduction To Physical Oceanography Lab

Select 12 credit hours of electives in Marine Science 1  12

**Biology**

Select one of the following:  5
BIL 150  General Biology
& BIL 151  and General Biology Laboratory
BIL 160  Evolution and Biodiversity
& BIL 161  and Evolution and Biodiversity Laboratory

**Chemistry**

CHM 111  Principles of Chemistry I  3
CHM 112  Principles of Chemistry II  3
CHM 113  Chemistry Laboratory I  1
CHM 114  Chemistry Laboratory II  1

**Geological Sciences** 2

GSC 110  The Earth System  3
GSC 111  Earth System History  4
GSC 114  Earth Processes Lab  2
GSC 260  Earth Materials  4
GSC 360  Depositional and Diagenetic Systems  4
GSC 380  Paleontology and Stratigraphy  4
GSC 410  Environmental Geochemistry  3
or GSC 420  Geophysics
GSC 440  Igneous and Metamorphic Petrology  4
GSC 480  Structural Geology  4
GSC 482  Field Methods  2
GSC 561  Colloquium - Current Topics in the Geosciences  1
GSC 580  Summer Field Geology  4

**Mathematics**

MTH 161  Calculus I  4
MTH 162  Calculus II  4
Select one semester of a computer or statistics course of the following approved classes:  3-4
MSC 204  Environmental Statistics
MTH 224  Introduction to Probability and Statistics
GSC 204  Environmental Statistics
CSC 120  Computer Programming I

**Physics**

Select one of the following Options: 3  10

Option 1:

PHY 205  University Physics I
PHY 206  University Physics II
PHY 207  University Physics III
PHY 208  University Physics II Lab
or PHY 209  University Physics III Lab

Option 2:

PHY 101  College Physics I
PHY 102  College Physics II
PHY 106  College Physics Laboratory I
PHY 108  College Physics Laboratory II

**Electives**

Select 6 credit hours of electives 4  6

Total Credit Hours  105-106

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1. At least 6 of which must be at the 300-level or higher. MSC 204 does not satisfy the MSC elective requirement but does satisfy the Statistics requirement.
2. One course in Geological Sciences may fulfill requirements in both Marine Science and Geology.
3. University Physics is recommended.
4. Including 3 at the upper level, to be approved by advisor.