BS IN GEOLOGICAL SCIENCES/MS IN MARINE GEOSCIENCES DUAL DEGREE

5 Year B.S/M.S. Program in Geological Sciences and Marine Geosciences

A 5-year B.S. /M.S. in Geological Sciences and Marine Geosciences allows qualified UM Undergraduate students to complete a master's degree in one year of study beyond the B.S. In doing so, students can save both time and money. By the beginning of their junior year students should have obtained a graduate faculty advisor, selected an approved topic for research, and begun work on their senior thesis as preparation for the M.S. In the senior year, students will increase their focus on graduate courses and work closely with their graduate faculty advisor. During the final year, students complete the required M.S. course work while expanding their undergraduate research and completing the M.S. thesis.

For further information and application forms please visit this website (https://admissions.miami.edu/undergraduate/academics/dual-degree-program/).

Curriculum Requirements

Code	Title	Credit Hours
BS in Geological Sciences		123
Refer to link below for information on th	ne BS requirements:	
	duate-academic-programs/marine-atmospheric-science/geological-sciences/geologica edu/graduate-academic-programs/marine-atmospheric-science/marine-geology-	ıl-
MS in Marine Geosciences		30
Refer to link below for information on th	ne MS requirements:	
	-academic-programs/marine-atmospheric-science/marine-geology-geophysics/marine- etin.miami.edu/graduate-academic-programs/marine-atmospheric-science/marine-)	
Total Credit Hours		153

Suggested Plan of Study

This is only a sample. There are numerous ways students can create plans of study. Students should feel empowered to use the information listed in the Academic Bulletin to take charge of their education, pursue their own academic interests, and create their own, unique plans of study.

Freshman Year		
Fall		Credit Hours
GSC 110	The Earth System	4
WRS 105	First-Year Writing I	3
MTH 161	Calculus I	4
HUM Course #1		3
	Credit Hours	14
Spring		
GSC 111	Earth System History	4
WRS 107	First-Year Writing II: STEM	3
MTH 162	Calculus II	4
Minor Course #1		3
	Credit Hours	14
Sophomore Year		
Fall		
GSC 260	Earth Materials	4
CHM 121	Principles of Chemistry	4
CHM 113	Chemistry Laboratory I	1
Minor Course #2		3
PS Course #1		3
	Credit Hours	15

Petrology	4
Environmental Statistics	3
	3
	4
Credit Hours	14
Depositional and Diagenetic Systems	4
University Physics I for the Sciences	4
College Physics Laboratory I	1
	3
	3
Credit Hours	15
Field Studies in Earth Systems ¹	2
Paleontology and Stratigraphy	4
Field Methods	2
University Physics II for the Sciences	4
College Physics Laboratory II	1
	3
Credit Hours	16
Summer Field Geology	4
Credit Hours	4
Geophysics	3
Communicating Geoscience	2
	3
	3
	4
Earth Surface Processes	3
Geophysics	3
	21
orealt flours	21
Structural Geology	4
	3
	3
indicatory occorrenately	3
	3
Introductory Geochemistry	3
or Diagenesis of Carbonate Sediments	9
	3
Credit Hours	22
	2
	Credit Hours Depositional and Diagenetic Systems University Physics I for the Sciences College Physics Laboratory I Credit Hours Field Studies in Earth Systems Paleontology and Stratigraphy Field Methods University Physics II for the Sciences College Physics Laboratory II Credit Hours Summer Field Geology Credit Hours Geophysics Communicating Geoscience Earth Surface Processes Geophysics or Introduction to Seismology or Geological Hazards or Geodynamics Credit Hours Structural Geology Research in Geological Sciences Introductory Geochemistry or Diagenesis of Carbonate Sediments

Fifth Year (Graduate Credit Hours Only)		
Fall		
Approved Elective		3
Approved Elective		3
Approved Elective		3
RSM 700	Research Ethics	0
	Credit Hours	9
Spring		
MGS 701	Seminar in Marine Geosciences	1
MGS 810	Master's Thesis	3
	Credit Hours	4
Summer		
MGS 810	Master's Thesis	3
	Credit Hours	3
	Total Credit Hours	153

Recommended elective to take for the Geological Sciences B.S. major.