

Information on Freshmen Fall Registration

FOR THE

ROSENSTIEL SCHOOL OF MARINE AND ATMOSPHERIC SCIENCE

Welcome to the University of Miami's Rosenstiel School of Marine and Atmospheric Science! We are pleased that you have chosen to join our program and look forward to your arrival on campus.

Selecting your courses for the Fall Semester at UM will be the first step you take in transitioning into your college career. You may use the following information, as well as the [UM Bulletin](#) in regards to our degree requirements and which courses should be taken within your first semester. Please read this document in its entirety to ensure proper enrollment.

On **May 22nd**, you may start placing your desired courses in your shopping cart. Beginning **May 30th**, you may enroll in your selected courses. Online registration closes on **July 10th**. Please click [here](#) for a step-by-step video on how to register for classes. As you are working on your selections, should questions arise, please email the Marine and Atmospheric Science Program at marsci@miami.edu.

Links to Helpful Canelink Video Tutorials

[How to set up a swap in Canelink](#)

[How to add yourself to a waitlist in Canelink](#)

GENERAL INSTRUCTIONS FOR PLANNING YOUR COURSE SELECTIONS

Please use this guide to select and register for your Fall 2017 courses. You will be assigned a faculty advisor in August and will meet with them during UM Orientation week before classes start. Until that time, if you have any questions, please contact the Marine and Atmospheric Science office at marsci@miami.edu.

For the purpose of our online pre-selection process, we are concentrating only on the **required core courses** needed to graduate. After arriving on campus, you will meet with your faculty advisor to discuss how this first semester fits into your overall curriculum requirements. A typical full-time academic schedule for a new RSMAS freshman will include 4-5 courses with 1 to 2 labs (14-17 credits).

Course descriptions can be found through [Canelink](#). CaneLink is the University of Miami's online portal for students and faculty. You will use your existing CaneID and password to log on. Please use the guide provided on the [New Student Registration website](#) to search for courses.

AP/IB/CLEP Exams, Dual Enrollment, Transfer Courses

- **AP/IB (HL) or CLEP exams:** If you do not know the results of AP/IB (HL) and CLEP exams at this time, you will need to make a judgment about the potential for receiving credits. Let us know which exams you have or will have taken. Upon receipt of the results, please inform the Marine and Atmospheric Science office by e-mail at marsci@miami.edu. You may check the AP/IB (HL) [score tables online](#) in order to determine the exam scores necessary for the awarding of University of Miami credit for specific courses.
- To have AP and IB (HL) scores evaluated for UM credit, you must request that your scores be sent directly to the UM Office of Admission from the College Board or from your regional IB office---a notation on the high school transcript is not sufficient. To have CLEP scores evaluated for UM credit you must submit an Official Test Result Report to the UM Office of Admission. The University of Miami's School code is 5815.
- **Dual Enrollment/Transfer credits:** If you took a course for college credit, you must submit official transcripts to the UM Office of Admission from the issuing College or University. A listing on the high school transcript is not sufficient to award college credit. A minimum grade of "C" is required for consideration of credit in all dual enrollment and transfer courses. Please note: All grades earned in these courses are part of your permanent record. If you plan on using a transferred science or math course as an equivalent to a course required for your major, please send the course syllabus to marsci@miami.edu for review.
- Official test scores and/or transcripts for credits earned from any college/university should be sent to: University of Miami, Office of Admission, P.O. Box 249117, Coral Gables, FL 33124-9117.

Cognates

The University General Education requirements will be completed using cognates. A cognate is a group of at least three courses for at least nine credits, related in a topical, thematic, interdisciplinary, sequential, or other fashion, so that completion of a cognate provides coherent depth of knowledge.

You will need to complete one cognate in each of the three Areas of Knowledge: Arts and Humanities, People and Society (Social Sciences), and Science, Technology, Engineering and Mathematics (STEM). All undergraduate students in the Rosenstiel School will be required to complete the Arts and Humanities cognate but will fulfill their STEM cognate requirement through their major requirements. Students in Marine Affairs will fulfill their People and Society cognate requirement through their minor. Students in Marine Science may elect to fulfill the People and Society cognate requirement with a Marine Policy cognate. Students in Meteorology may elect to fulfill the People and Society cognate requirement with a Broadcast Meteorology cognate. Cognates integrating Study Abroad courses are also available. See program advisors for details. To find out more information about cognates go to www.miami.edu/cognates.

Required Courses for Majors

The following sections outline the recommended courses to enroll in for each major. The English and Mathematics requirements for all majors are described at the end of this document.

Marine Affairs

- Introduction to Marine Science Lecture and Lab: MSC 111 and MSC 112.
- Enroll in English and Mathematics courses as described in their respective sections (See Below).
- An introductory science course, either BIL 150 or CHM 111.
- Consider taking both CHM 111 and BIL 150 or take an elective towards an Arts and Humanities cognate if you received credit for ENG 105 and 106/107. See www.miami.edu/cognates.
- ECO 211, or an additional course of your choice. We suggest you begin with the introductory course in your chosen minor*, or a course towards an Arts and Humanities cognate. See www.miami.edu/cognates.

* Approved minors (with introductory courses) are: Anthropology (one of APY 201, 202, 203 or 204), Economics (ECO 211), Ecosystem Science and Policy (ECS 111 or 113), Geography and Regional Studies (any 100- or 200-level GEG course), Latin American Studies (LAS 101), International Studies (one of INS 101, 102, 201 or 202), or Political Science (one of POL 201, 202, or 203). For minors in Business or Communication, please contact the Marine and Atmospheric Science office.

Marine Science/Biochemistry and Molecular Biology – see Marine Science/ Microbiology and Immunology

Marine Science/Biology

- Introduction to Marine Science Lecture and Lab: MSC 111 and MSC 112.
- Enroll in English and Mathematics courses as described in their respective sections (See Below).
- If you place out of Calculus (with an AP score of 5 on Calculus BC, or an IB score of 7 on the HL test), take GSC 110 and 114.
- An introductory science course with lab either: BIL 150 and 151 or CHM 111 and 113. Students with Biology AP scores of 5 (IB HL score of 7), should take CHM 111 and 113 or BIL250 or BIL 255. See under Marine Science/ Chemistry for Chemistry AP/IB score information.
- Consider taking both CHM 111/113 and BIL 150/151 or take an elective towards an Arts and Humanities cognate if you received credit for ENG 105 and 106/107. See www.miami.edu/cognates.

Marine Science/Chemistry

- Introduction to Marine Science Lecture and Lab: MSC 111 and MSC 112.
- Enroll in English and Mathematics courses as described in their respective sections (See Below).
- If you place out of Calculus (with an AP score of 5 on Calculus BC, or an IB score of 7 on the HL test), take GSC 110 and 114.
- Introductory chemistry with lab: CHM 111 and 113. Students with Chemistry AP scores of 4 (IB HL score of 5), should take CHM 112 and 114. Students with Chemistry AP scores of 5 (IB HL score of 7), should take CHM 201 and 205.
- Consider taking both CHM 111/113 and BIL 150/151 or take an elective towards an Arts and Humanities cognate if you received credit for ENG 105 and 106/107. See www.miami.edu/cognates.

Marine Science/Computer Science

- Introduction to Marine Science Lecture and Lab: MSC 111 and MSC 112.
- Enroll in English and Mathematics courses as described in their respective sections (See Below).
- If you place out of Calculus (with an AP score of 5 on Calculus BC, or an IB score of 7 on the HL test), take GSC 110 and 114.
- Consider taking CHM 111/113 or take an elective towards an Arts and Humanities cognate if you received credit for ENG 105 and 106/107. See www.miami.edu/cognates.
- Introduction to Programming I: CSC 120. Students with Computing Science A (AP scores of 4 or 5), Computing Science AB (AP scores of 3), or IB-HL (score of 6 or 7) should take CSC 220. Students with Computing Science AB (AP scores of 4 or 5) may take CSC 314.

Marine Science/Geological Sciences

- Introduction to Marine Science Lecture and Lab: MSC 111 and MSC 112.
- Enroll in English and Mathematics courses as described in their respective sections (See Below).
- Introductory Geology, either GSC 111 or GSC 110 and 114.
- Consider taking CHM 111/113 or take an elective towards an Arts and Humanities cognate if you received credit for ENG 105 and 106/107. See www.miami.edu/cognates.

Marine Science/Meteorology: see Meteorology/Marine Science

Marine Science/Microbiology and Immunology

- Introduction to Marine Science Lecture and Lab: MSC 111 and MSC 112.
- An introductory biology course with lab: BIL 150 and 151. Students with Biology AP scores of 5 (IB HL score of 7), should take Introductory Chemistry, CHM111 and 113. Students also with Chemistry AP scores of 4 (IB HL score of 5), should take CHM 112 and 114. Students also with Chemistry AP scores of 5 (IB HL score of 7), should take GSC 111 or both CHM 201 and 205.
- Enroll in English and Mathematics courses as described in their respective sections (See Below).
- If you place out of Calculus (with an AP score of 5 on Calculus BC, or an IB score of 7 on the HL test), take GSC 111 or GSC 110 and 114.
- Consider taking an elective towards an Arts and Humanities cognate if you received credit for ENG 105 and 106/107. See www.miami.edu/cognates.

Marine Science/Mathematics

- Introduction to Marine Science Lecture and Lab: MSC 111 and MSC 112.
- Enroll in English and Mathematics courses as described in their respective sections (See Below).
- If you place out of Calculus (with an AP score of 5 on Calculus BC, or an IB score of 7 on the HL test), take MTH 210 (Introduction to Linear Algebra).
- Introductory Chemistry, CHM 111 and 113.
- Consider taking Statistics (MTH 224) or take an elective towards an Arts and Humanities cognate if you received credit for ENG 105 and 106/107. See www.miami.edu/cognates.

Marine Science/Physics

- Introduction to Marine Science Lecture and Lab: MSC 111 and MSC 112.
- Enroll in English and Mathematics courses as described in their respective sections (See Below).
- If you place out of Calculus (with an AP score of 5 on Calculus BC, or an IB score of 7 on the HL test), take MTH 210 (Introduction to Linear Algebra).
- Introductory Physics: PHY 205 (co-requisite: MTH 161, Calculus I). If you do not meet the math co-requisite, take CHM 111 and 113. If you place out of PHY 205 (with an AP score of 5 on Physics C), take CHM 111 and 113 or PHY 206 or Statistics (MSC 204 or MTH 224).
- An elective, or a course towards an Arts and Humanities cognate. See www.miami.edu/cognates.
- Consider taking both CHM 111/113 or take an elective towards an Arts and Humanities cognate if you received credit for ENG 105 and 106/107. See www.miami.edu/cognates.

Meteorology

- Atmospheric Science: ATM 103 (Survey of Modern Meteorology) and ATM 220* (Climate and Global Change).
- Introduction to Marine Science Lecture and Lab: MSC 111 and MSC 112.
- Enroll in English and Mathematics courses as described in their respective sections (See Below).
- If you place out of Calculus (with an AP score of 5 on Calculus BC, or an IB score of 7 on the HL test), take Linear Algebra, MTH 210.
- Consider taking an elective towards an Arts and Humanities cognate if you received credit for ENG 105 and 106/107. See www.miami.edu/cognates.

* Please enroll in all courses indicated except ATM220. We will manually enroll you in ATM 220.

Meteorology/Marine Science

- Atmospheric Science: ATM 103 (Survey of Modern Meteorology) and ATM 220* (Climate and Global Change).
- Introduction to Marine Science Lecture and Lab: MSC 111 and MSC 112.
- Enroll in English and Mathematics courses as described in their respective sections (See Below).
- If you place out of Calculus (with an AP score of 5 on Calculus BC, or an IB score of 7 on the HL test), take Linear Algebra, MTH 210, or Statistics, MSC 204.
- Consider taking both CHM 111/113 or take an elective towards an Arts and Humanities cognate if you received credit for ENG 105 and 106/107. See www.miami.edu/cognates.

* Please enroll in all courses indicated except ATM220. We will manually enroll you in ATM 220.

Meteorology/Mathematics

- Atmospheric Science: ATM 103 (Survey of Modern Meteorology) and ATM 220* (Climate and Global Change).
- Enroll in English and Mathematics courses as described in their respective sections (See Below).
- If you place out of Calculus (with an AP score of 5 on Calculus BC, or an IB score of 7 on the HL test), take Linear Algebra, MTH 210, or Calculus III, MTH 310.
- Take an elective towards an Arts and Humanities cognate. See www.miami.edu/cognates or Introduction to Marine Science Lecture and Lab: MSC 111 and MSC 112.
- * Please enroll in all courses indicated except ATM220. We will manually enroll you in ATM 220.

Meteorology/Broadcast Journalism

- Atmospheric Science: ATM 103 (Survey of Modern Meteorology).
- Communications School: JMM 108 (Writing in the Digital Age) and JMM 102 (Introduction to Electronic Media).
- Enroll in English and Mathematics courses as described in their respective sections (See Below).
- If you place out of Calculus (with an AP score of 5 on Calculus BC, or an IB score of 7 on the HL test), take Linear Algebra, MTH 210, or Calculus III, MTH 310.
- Consider taking an elective towards an Arts and Humanities cognate if you received credit for ENG 105 and 106/107. See www.miami.edu/cognates.

English

Students must take two English composition courses, ENG 105 and either 106 or 107. All incoming students must take ENG 105 unless it is waived, you earned AP/IB credit, or you have Foote Fellow status. If you have a minimum SAT Writing score of 690 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 or ENG 107 instead. There are two sections of ENG 107 designated for our program (C9 and D9). We would ask that you select a section and contact marsci@miami.edu so that we may enroll you in the correct course. ENG 107 is a specialized version of ENG 106 focusing on the sciences. Students with AP scores of 5 on the English Literature or Language exams (IB score of 6 in HL English A1) receive credit for ENG 105 and 106.

Mathematics

For all incoming students the appropriate level of math course may be determined by AP/IB scores, SAT/ACT scores, previous college credit, or by the on-line ALEKS test. Please see 'Placement Guide' under <http://www.math.miami.edu/undergraduate/aleks-math-placement/> to determine which math course you should begin with to start the math sequence required for your major.

Marine Science and Meteorology majors will be required to complete one year of calculus. Marine Affairs majors are required to take one math course (MTH 108 or above). In addition, all undergraduate students must take one course in either statistics or computer science.

Approved Statistics and Computer Science Courses for All Tracks

<u>Course Code</u>	<u>Title</u>
MSC 204	Environmental Statistics
BIL 311	Biostatistics
IEN 311	Applied Probability and Statistics
MTH 224	Introduction to Probability and Statistics
PSY 291	Introduction to Biobehavioral Statistics
CSC 120	Computer Programming I
CSC 210	Computing for Scientists

Approved Math Courses for Marine Affairs

<u>Course Code</u>	<u>Title</u>
MTH 101	Algebra for College Students
MTH 107	Pre-calculus Mathematics
MTH 108	Pre-calculus Mathematics II
MTH 113	Finite Mathematics
MTH 130	Introductory Calculus
MTH 140	Calculus Concepts with Foundations A
MTH 161	Calculus I
MTH 162 or MTH 172	Calculus II

Approved Math Courses for Marine Science and Meteorology

<u>Course Code</u>	<u>Title</u>
MTH 107	Pre-calculus Mathematics
MTH 108	Pre-calculus Mathematics II
MTH 140	Calculus Concepts with Foundations A
MTH 161	Calculus I
MTH 162 or MTH 172	Calculus II

CONGRATULATIONS! You have now all the information you need to start the course selection process. If you have any questions call: (305) 284-2180 or email marsci@miami.edu.

You will receive a copy of your Fall 2017 schedule of classes during Orientation in August and will have an appointment with a faculty advisor during that time - before classes begin.