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. Please read the following information, as well as the program advising guide, in regards to our degree requirements and which courses should be taken within your first semester. The advising guide is available at: www.rsmas.miami.edu/academics/undergraduate/advising/

As you are working on your selections, should questions arise, you may email the Marine and Atmospheric Science Program at marsci@miami.edu or by phone (305-284-2180).

Starting **May 11**, you may place your desired courses in your shopping cart. Once you have placed all your courses in your shopping cart, you should validate them. This will ensure that you meet all the prerequisites, and that there are no time conflicts. Starting **May 18**, you may enroll in your selected courses. Online registration closes on **June 23**. After that, you must contact the MSC office to register. During July, we will be checking all schedules, and making changes as needed.

GENERAL INSTRUCTIONS FOR PLANNING YOUR COURSE SELECTIONS

Please use this guide to select and register for your Fall 2015 courses. Please contact the Marine and Atmospheric Science Program at marsci@miami.edu or by phone (305-284-2180) should you need assistance during the summer. Before Orientation in August you will be assigned a faculty advisor. Your appointment time for advising will be given to you at Orientation in August.

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 labs (14-17 credits).

Course descriptions can be found through CaneLink. CaneLink is the University of Miami's online portal for students and faculty www.canelink.miami.edu. You will use your existing CaneID and password to log on. Please use the guide provided on the New Freshmen Registration page to search for courses.

Marine Affairs

- Introduction to Marine Science: MSC 111
- For the BAMA degree, you will be required to complete three credits of mathematics at a higher level than MTH 101 (College Algebra), excluding MTH 107 (Pre-calculus I). The appropriate level 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/
- An introductory science course, either BIL 150 or CHM 111.
- 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
- ENG 105. If you have a minimum SAT Reading score of 700 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 instead. 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. Consider taking both CHM 111 and BIL 150 (see above) or take an elective towards an Arts and Humanities cognate.

  * 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 MSC office.

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

Marine Science/Biology

- Introduction to Marine Science: MSC 111
- You will be required to complete one year of Calculus plus a semester of Statistics. The appropriate level 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/. 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 Statistics, MSC 204.
- 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.
- ENG 105. If you have a minimum SAT Reading score of 700 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 instead. 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. Consider taking both CHM 111/113 and BIL 150/151 (see above) or take an elective towards an Arts and Humanities cognate. See www.miami.edu/cognates

Marine Science/Chemistry

- Introduction to Marine Science: MSC 111
- You will be required to complete one year of Calculus plus a semester of Statistics. The appropriate level 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/. 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 Statistics, MSC 204.
- 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.
- ENG 105. If you have a minimum SAT Reading score of 700 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 instead. 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. Consider taking both CHM 111/113 and BIL 150/151 or take an elective towards an Arts and Humanities cognate. See www.miami.edu/cognates

Marine Science/Computer Science

- Introduction to Marine Science: MSC 111
- You will be required to complete one year of Calculus plus a semester of Statistics. The appropriate level 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/. 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 Statistics, MSC 204.
- Introduction to Programming I: CSC 120. Students with Computing Science A (AP scores of 4), Computing Science AB (AP scores of 3), or IB-HL (score of 6) should take CSC 220. Students with Computing Science AB (AP scores of 4) may take CSC 314.
- ENG 105. If you have a minimum SAT Reading score of 700 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 instead. 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. Consider taking CHM 111/113 or take an elective towards an Arts and Humanities cognate. See www.miami.edu/cognates

Marine Science/Geological Sciences

- Introduction to Marine Science: MSC 111
- You will be required to complete one year of Calculus plus a semester of Statistics. The appropriate level 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/. 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 Statistics, MSC 204.
- Introductory Geology, either GSC 111 or GSC 110 and 114.

- ENG 105. If you have a minimum SAT Reading score of 700 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 instead. 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. Consider taking CHM 111/113 or take an elective towards an Arts and Humanities cognate. See www.miami.edu/cognates

Marine Science/Meteorology: see Meteorology/Marine Science

Marine Science/Microbiology and Immunology

- An introductory biology course with lab: BIL 150 and 151. Students with Biology AP scores of 5 (IB HL score of 7), should take MSC 111 (Introduction to Marine Science)
- An introductory chemistry course 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 MSC 111 or GSC 111 or both CHM 201 and 205.
- Note: MSC 111 will be taken in spring for those students without AP credit in Biology or Chemistry.
- You will be required to complete one year of Calculus plus a semester of Statistics. The appropriate level 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/. 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 Statistics, MSC 204.
- ENG 105. If you have a minimum SAT Reading score of 700 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 instead. 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. Consider taking an elective towards an Arts and Humanities cognate. See www.miami.edu/cognates

Marine Science/Mathematics

- Introduction to Marine Science: MSC 111
- The appropriate level introductory 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/. 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.
- ENG 105. If you have a minimum SAT Reading score of 700 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 instead. 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. Consider taking Statistics, MTH 224, or an elective towards an Arts and Humanities cognate. See www.miami.edu/cognates

Marine Science/Physics

- Introduction to Marine Science: MSC 111
- You will be required to complete one year of Calculus plus a semester of Statistics. The appropriate level 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/. 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, Introduction to Climate (MSC 220) or a course towards an Arts and Humanities cognate. See www.miami.edu/cognates
- ENG 105. If you have a minimum SAT Reading score of 700 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 instead. 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. Consider taking CHM 111/113 or take an elective towards an Arts and Humanities cognate. See www.miami.edu/cognates

Meteorology

- Atmospheric Science: ATM 103 (Introduction to Atmospheric Science) and ATM 220 (Introduction to Climate)
- Introduction to Marine Science: MSC 111
- You will be required to complete one year of Calculus plus a semester of Statistics. The appropriate level 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/. 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.
- ENG 105. If you have a minimum SAT Reading score of 700 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 instead. 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. Consider taking an elective towards an Arts and Humanities cognate. See www.miami.edu/cognates

Meteorology/Marine Science

- Atmospheric Science: ATM 103 (Introduction to Atmospheric Science) and ATM 220 (Introduction to Climate)
- Introduction to Marine Science: MSC 111
- You will be required to complete one year of Calculus plus a semester of Statistics. The appropriate level 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/. 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.

- ENG 105. If you have a minimum SAT Reading score of 700 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 instead. 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. Consider taking CHM 111/113 or take an elective towards an Arts and Humanities cognate. See www.miami.edu/cognates

Meteorology/Mathematics

- Atmospheric Science: ATM 103 (Introduction to Atmospheric Science) and ATM 220 (Introduction to Climate)
- Statistics: MTH 224
- You will be required to complete one year of Calculus plus a semester of Statistics. The appropriate level 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/. 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.
- ENG 105. If you have a minimum SAT Reading score of 700 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 instead. 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. Consider taking an elective towards an Arts and Humanities cognate. See www.miami.edu/cognates

Meteorology/Broadcast Journalism

- Atmospheric Science: ATM 103 (Introduction to Atmospheric Science)
- Communications School: CNJ 108 (Writing in the Digital Age) and CEM 102 (Introduction to Electronic Media)
- You will be required to complete one year of Calculus plus a semester of Statistics. The appropriate level 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/. 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.
- ENG 105. If you have a minimum SAT Reading score of 700 or a minimum ACT English score of 32, ENG 105 is waived; take ENG 106 instead. 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. Consider taking an elective towards an Arts and Humanities cognate. See www.miami.edu/cognates

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 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.

- All official test score reports should be sent to: University of Miami, Office of Admission, P.O. Box 249117, Coral Gables, FL 33124-4616.

- **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.

- Official 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.

AREAS OF KNOWLEDGE

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.

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 2015 schedule of classes during Orientation in August and will have an appointment with a faculty advisor during that time – before classes begin.