

**Medical Scholars Program Requirements
Fall 2011**

MILLER SCHOOL OF MEDICINE REQUIREMENTS FOR MSP STUDENTS

1. Required Courses (may be satisfied by AP, IB or dual enrollment)

All required courses taken after acceptance to the program must be completed at the University of Miami

- English-2 courses (at or above English 105/106) –
 - i. Students with AP/IB credit for ENG 105 and ENG 106 must take two semesters of graded English or a Writing Credit Course approved by your advisor.
 - ii. Students with a verbal SAT score of greater than 700 may “waive” the ENG 105 requirement, however NO credit is issued. Therefore, students would still need to complete English Composition (ENG 106, or 107) and one semester of an additional English or Writing Credit Course approved by your advisor.
 - iii. Students with no AP/IB credit in English must take two semesters of English composition: ENG 105 AND 106 OR 107.
- General Biology w/Lab (Biology 150/151)
- Evolution & Biodiversity w/Lab (Biology 160/161)
- Principles of Chemistry I & II w/labs (Chemistry 111/113; 112/114)
- Organic Chemistry I & II w/labs (Chemistry 201/205; 202/206)
- College Physics I & II w/labs (Physics 101/106; 102/108)

The next three are highly recommended if not already taken for your major:

- Biochemistry (Biochemistry 401 or 406 or 506)
- Cellular Molecular Biology (Biology 255)
- Genetics (Biology 250)

2. GPA: Cumulative U.M. GPA of 3.7; Science GPA of 3.7. The science GPA will be calculated by AMCAS – the American Medical College Application Service – from grades earned in all Biology/Chemistry, Physics, Math courses, including courses taken at other 4 year college/universities (see below).

3. MCAT: To be promoted to the Miller School of Medicine (UMMSM) after 3 years an MCAT composite score of 30 is required. The latest time to take the MCAT is April of your junior year (or your last undergraduate year if you defer to a fourth year), but we suggest taking it earlier if possible.

Medical Scholars Program

Fall 11

4. Professionalism Experiences: A record of "Professionalism" experiences is required. Examples include clinical exposure, research experience, community service and volunteerism, and other leadership experiences in extracurricular activities, or study abroad.

COLLEGE OF ARTS & SCIENCES REQUIREMENTS

1. MSP students are exempt from the College of Arts & Sciences distribution requirements, but must still complete the university level general education requirements.
2. MSP students must complete a MAJOR in order to be eligible for BS or BA degree. A minor is *not required* for the MSP program. If the selected major requires a minor for a *BS degree*, the student will need to clarify his/her options with the academic advisor. Requirements for minors in BS degrees differ by choice of degree. Students in schools other than the College of Arts & Sciences should consult with an appropriate advisor assigned by that individual school to make sure that all credit requirements are met.
3. MSP Students must complete 90 undergraduate credits (45 of which must be UM credits). AP and IB credits count toward the 90. MSP students will receive up to 30 credits towards completion of their undergraduate degree (which requires 120 credits) after successful completion of their first year at the Miller School of Medicine.
4. MSP students must complete their last 15 undergraduate credits in residence.
 - a. STUDY ABROAD EXCEPTION for any MSP student planning to study abroad in her/his FINAL semester of undergraduate study: The student must submit an APPEAL to Dean Rita Deutsch, the Associate Dean of College of Arts & Sciences, requesting an Absolution of the Residency Policy in order to Study Abroad. This form can be found in 200 Ashe Building. The request is NOT automatic, and students must await approval prior to scheduling their travel abroad.
5. OPTIONAL: To graduate with General Honors, MSP students must complete at least 24 credits in General Honors courses, and twelve of these 24 Honors credits must be in courses numbered at the 200 level or above. No more than 9 credits in the MSP student's major may be counted toward the total of 24 credits in General Honors.

SUMMER COURSEWORK AWAY FROM UM

Medical Scholars Program

Fall 11

The policy of summer sessions taken at institutions other than the University of Miami is as follows:

1. All courses must be approved in advance by the MSP faculty academic advisor and the University of Miami academic department which offers the same or similar course to be taken. A form for such approval is available from the College of Arts and Sciences in room 200 Ashe.
2. MSP students must complete their last 15 credits in residence.
3. See Study Abroad exceptions above.

ADDITIONAL EXPECTATIONS/REQUIREMENTS

1. Any student whose GPA is below program requirements for admission to medical school or who receives a grade of "C" or lower, will be reviewed and required to meet with a member of the program's administration.
2. Ongoing inability to meet the academic and professionalism requirements of the program may lead to dismissal from the MSP program.
3. No grades can be erased by repeating a course, even if the repeating of that course is required for credit. BOTH grades will then be averaged into the cumulative GPA and/or Science GPA if applicable.
4. The MSP student's science GPA must be a cumulative 3.7 to be considered for promotion to the School of Medicine after 3 years of study. A full description of how the science GPA is calculated by AMCAS and a description of BCPM (Biology, Chemistry, Physics, and Mathematics) courses can be found in a later section of this document.
5. We expect all of our MSP students to adhere to the University of Miami Undergraduate Honor Code and their standing in the University of Miami will be determined as per those policies and procedures.
http://www6.miami.edu/dean-students/pdf/undergrad_honorcode.pdf
In addition, any academic, professional, or ethical incidents during the undergraduate years will be reviewed by the medical education administration and the HPM/MSP Selection and Monitoring Committee. This review process may result in sanctions up to and including dismissal from the Medical Scholars Program.
6. Any action taken by the University against an MSP student for personal misconduct is cause for instant dismissal from the Medical Scholars Program.

Medical Scholars Program

Fall 11

7. Appeals regarding academic or administrative sanctions up to and including dismissal from the program may be appealed to the Dean of the Medical School or his designee.

EXTENDING THE UNDERGRADUATE PORTION OF THE PROGRAM

1. Students who do not meet the academic and professionalism requirements for promotion to medical school after three years will be required to take a fourth year of undergraduate course work. Students will be promoted to medical school after four years of undergraduate studies if they meet the following requirements:
 - a. Cumulative GPA 3.7/Science GPA 3.7
 - b. MCAT composite score of 30
2. The MSP program administration must approve the undergraduate course schedule for any student who has been required to complete a fourth year of undergraduate study.
3. MSP students may REQUEST to lengthen their 3-year undergraduate experience to 4 years. This request, including a reason for the request and the plans for the additional year, must be submitted in writing to the HPM/MSP Program Director by February 1 of the third year. Students are encouraged to discuss this option with their advisors and mentors, and consider using the additional year to pursue additional educational experiences such as research. The fourth-year option may NOT be elected for academic remediation.
4. The Medical Scholars Program provides a shortened matriculation time and early acceptance to medical school. Our expectation is that students maintain a full-time pursuit of academic and other professional activities that directly relate to continued growth towards becoming a physician. We expect matriculation to be uninterrupted. Students who complete their overall credit and MSP requirements prior to the end of their third year of undergraduate work are expected to continue to engage in activities that are full-time and *directly* related to academic and professional growth and preparation for medical school. Examples of acceptable activities include:
 - a. Advanced coursework in the biomedical sciences
 - b. Substantive research projects in the biomedical sciences
 - c. Study abroad

Any student considering pursuit of such activities **must** present the request *in writing* to the HPM/MSP Program Administration, and await approval by the Program Director and the Chair of the Selection and Monitoring Committee.

Requirement for Professionalism Experiences for MSP students

Given the nature of the MSP program that conditionally assures accepted applicants of a place in the University of Miami Miller School of Medicine, all MSP students are required to participate in a professionalism experience each semester they are enrolled on the Coral Gables Campus. Examples of professionalism experiences that will fulfill this requirement include but are not limited to:

1. Patient contact experiences gained by volunteering at local hospitals, clinics, hospices, etc.
2. Biomedical research conducted at the UMMSM or another university
3. Participation in campus or community service organizations with eventual progress into positions of leadership
4. Study abroad experiences

Experiences in which students have direct patient interactions are highly valued and expected of all premedical students. The most important thing, however is that these experiences are meaningful to the pursuit of a career in medicine. These experiences should continue over the entire semester. Additional experiences may also be undertaken during the summer, either on campus or at home, but they should not substitute for meaningful involvement during the regular school year. Students must provide written verification that the activity was performed and include the dates of participation. This documentation is required and must be provided to the MSP academic advisor each semester.

The professionalism experience is a fundamental requirement for promotion to the UMMSM. Students who fail to demonstrate sufficient participation in professionalism experiences will be required to meet with the program administration and may be denied promotion to medical school and possibly dismissed from the program. Any student experiencing difficulty participating in professionalism experiences, should meet with the HPM/MSP Program Director or the Assistant Director for Research Placement and Professional Development for assistance and guidance.

Promotion to the Miller School of Medicine

All MSP students must complete an application to the Miller School of Medicine in its entirety, and follow all application procedures as outlined by the School of Medicine Office of Admissions. The Medical Scholars Program is designated by the American Medical College Application System (AMCAS) as a “restricted” program. This means that MSP students cannot apply to any other LCME-accredited medical school without the permission of the University of Miami Miller School of Medicine. The HPM/MSP Selection and Monitoring Committee is responsible for reviewing each student’s

Medical Scholars Program

Fall 11

academic record and certifying that they have/have not met the requirements for promotion.

How is my science GPA calculated? What are BCPM courses?

Each course that a student takes is assigned a Course Classification by AMCAS (American Medical College Application Service) based entirely on the primary content of the course. Any “BCPM” course will be used in calculating your science GPA. See the listing of course(s) (in each category) below for guidance in determining courses used to calculate the science GPA.

Grades earned in all BCPM science courses taken at UM, as well as those BCPM courses taken at any other 4-year senior college or university, will be used in calculating the science GPA. Science courses required for admission to the medical school or for the major may not be taken at the junior college or community college level.

Biology (B)	Chemistry (C)	Physics (P)	Math (M)
Anatomy	Biochemistry	Astronomy	Applied Mathematics
Biology	Chemistry	Physics	Mathematics
Biophysics	Physical Chemistry		Statistics
Biotechnology	Thermodynamics		
Botany	Organic Chemistry		
Cell Biology			
Ecology			
Entomology			
Genetics			
Histology			
Immunology			
Microbiology			
Molecular Biology			
Neuroscience			
Physiology			

HPM/MSP Program Administration

Director	Assoc Director/Academic Advisor	Chair; Selection & Monitoring Committee (Admissions)
Hilit Mechaber, MD hmechabe@med.miami.edu 305-243-7978 2155 RMSB, Med Campus	Michael Gaines, PhD m.gaines@miami.edu 305-284-5058 122 Cox Science Center	Pasquale Benedetto, MD pbenedetto@med.miami.edu 305-243-3234 Med.admissions@miami.edu