



MEDICAL UNIVERSITY OF THE AMERICAS

2012–2014 CATALOG



MEDICAL UNIVERSITY OF THE AMERICAS

“INTEGRITY IN EDUCATION”

P.O. Box 701
Charlestown, Nevis, West Indies
Telephone: (869) 469-9177 Fax: (869) 469-9180
Website: www.mua.edu

U.S. Information Office:
Medical University of the Americas
c/o R3 Education Inc.
27 Jackson Road, Suite 302
Devens, Massachusetts 01434, United States
Telephone: (978) 862-9500 Fax: (978) 862-9599
E-mail: admissions@mua.edu

DISCLAIMER

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MUA disclaims any misrepresentation that may have occurred as a result of errors in preparation or typesetting of the catalog.

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HIPPOCRATIC OATH

I swear to fulfill, to the best of my ability and judgment, this covenant:

*I will respect the hard-won scientific gains of those physicians in whose steps I walk,
and gladly share such knowledge as is mine with those who are to follow.*

*I will apply, for the benefit of the sick, all measures [that] are required,
avoiding those twin traps of overtreatment and therapeutic nihilism.*

*I will remember that there is art to medicine as well as science,
and that warmth, sympathy, and understanding may outweigh the surgeon's knife or the chemist's drug.*

*I will not be ashamed to say "I know not," nor will I fail to call in my colleagues
when the skills of another are needed for a patient's recovery.*

*I will respect the privacy of my patients, for their problems are not disclosed to me that the world may know.
Most especially must I tread with care in matters of life and death. If it is given to me to save a life, all thanks.
But it may also be within my power to take a life; this awesome responsibility must be faced with great humbleness
and awareness of my own frailty. Above all, I must not play at God.*

*I will remember that I do not treat a fever chart, a cancerous growth, but a sick human being,
whose illness may affect the person's family and economic stability. My responsibility includes these related
problems, if I am to care adequately for the sick.*

I will prevent disease whenever I can, for prevention is preferable to cure.

*I will remember that I remain a member of society, with special obligations to all my fellow human beings,
those sound of mind and body as well as the infirm.*

*If I do not violate this oath, may I enjoy life and art, respected while I live and remembered with affection
thereafter. May I always act so as to preserve the finest traditions of my calling
and may I long experience the joy of healing those who seek my help.*

WELCOME



By focusing on key fundamentals—excellent faculty, small class sizes, a modern campus, a wide range of clinical affiliations and a cost-effective tuition—Medical University of the Americas (MUA) has enjoyed more than a decade of rapid growth and achievement.

MUA was founded in 1998 by a group of educators who were active in international medical education. Since the seating of the first class, almost 700 physicians have earned their M.D. at MUA.

Medical University of the Americas is proud of its track record:

- Residency placement rates.
- USMLE licensing exam performance.
- Recognition by key medical licensing authorities of the quality of an MUA education.

Medical education, globally, now emphasizes greater integration between the basic and clinical sciences portions of the medical school curriculum. At MUA, case-based learning and clinical skills development are a prominent part of the Basic Sciences curriculum. Learning objectives are fully integrated across all courses. This gives students the opportunity to maintain perspective on critical learning objectives and enables faculty to evaluate students based on patient-centered competencies, rather than just their medical knowledge.

In addition to integrating more clinical experience into the first five semesters, MUA is also focused on extending its wide range of affiliations with teaching hospitals in the U.S. and Canada where our students complete their clinical rotations.

MUA continually invests in its campus and is committed to implementing the latest instructional technologies and information systems. Recent years have seen significant campus expansion, including new buildings and the addition of faculty and administrative resources.

The Board of Trustees for the Medical University of the Americas wishes to express its profound gratitude to the Government of St. Christopher (St. Kitts)-Nevis for its overwhelming support and assistance in the continued development of the university. Special recognition is given to the Honorable Joseph Parry, Premier of Nevis; the Honorable Hensley Daniel, Minister of Health; and Mrs. Joslyn Liburd, Permanent Secretary.

MISSION STATEMENT

Medical University of the Americas is dedicated to educating tomorrow's healthcare leaders and the advancement of patient-centered care. The recognition of the importance of primary care and a commitment to providing service to underserved populations is critical to this mission. Ethical conduct in all of its activities is also key to its achievement of success.

HISTORY AND ACCREDITATION

After extensive research and collaboration with medical educators from the United States and abroad, MUA was established to provide a comprehensive four-year program leading to the Doctor of Medicine (M.D.) degree.

Following a rigorous accreditation process, MUA was approved and chartered by the Government of St. Christopher (St. Kitts)-Nevis. Since its inception in 1998, MUA, in close collaboration with the Government of Nevis, has continued to develop into a dynamic, successful medical school that stresses quality and integrity. The cooperative relationship with the local government and health authorities, and the rapid expansion of the physical campus, has produced an excellent learning environment for completion of the M.D. degree.

The 10-acre campus is located on what was once a sugar plantation and enjoys a constant breeze along with breathtaking views of the ocean and surrounding mountains. The physical structure has expanded step by step with the completion of a laboratory building (containing the anatomy, histology and microbiology labs) and a two-story library with extensive learning resources. A "state of the art" multipurpose complex with on-site health care clinics, a computer testing center, as well as additional classrooms and faculty office space, opened in 2009. The campus also boasts on-site recreation for students with tennis courts, a basketball court and a fitness center. While maintaining faculty accessibility and interactive classrooms, enrollment at MUA has increased to include approximately 900 preclinical and clinical medical students. This strong academic environment has produced high USMLE passing rates and excellent residency placement.

OFFICIAL RECOGNITION, APPROVALS AND ACCREDITATION

MUA is accredited by the Department of Education of St. Christopher-Nevis and graduates are eligible for licensure within the federation. MUA is accredited by the Accreditation Commission on Colleges of Medicine (ACCM). The ACCM, the designated inspection body for Nevis, undertook its accreditation process for MUA in 2009. MUA was initially granted accreditation on June 30, 2010, for a period of six years (the longest period available under the ACCM protocols).

The Doctor of Medicine (M.D.) program at the Medical University of the Americas is listed in the latest International Medical Education Directory (IMED).¹ The Educational Commission for Foreign Medical Graduates (ECFMG) has declared that students from MUA are eligible to take the United States Medical Licensing Exam (USMLE), which is required for residency and medical licensure in the United States. The New York State Education Department/State Board for Medicine approved MUA in 2006 for clerkships and residencies within that state.



1. Published by the Foundation for Advancement in International Medical Education and Research (FAIMER) in partnership with the Educational Commission for Foreign Medical Graduates (ECFMG).

GOALS AND OBJECTIVES

MUA was established to provide quality educational opportunities for students of diverse backgrounds. The primary educational goal is to develop graduates who are highly professional, ethical and intellectually curious. At MUA, education is seen as more than a progression of courses in a prescribed curriculum. Rather, the university recognizes that the educational process incorporates opportunities for intellectual achievement, demonstrated behavioral changes, the acquisition of sound decision-making skills, and development of a sound ethical basis for the practice of medicine. When these intellectual and personal qualities are brought together, the student matures into a professional who will represent MUA with distinction. MUA is committed to building and sustaining a diverse academic community of faculty and students, as well as assuring that access to quality medical education is available to students from all segments of society. The medical curriculum incorporates standards of academic and clinical instruction consistent with those of Liaison Committee on Medical Education (LCME) accredited teaching programs in the United States. Enrollment is open to all persons regardless of race, national origin, religion, sex, or age, who wish to devote the extensive time and effort

necessary to practice medicine. All classes are taught in English by experienced medical educators from the United States and abroad.²

OBJECTIVES

1. Provide the scientific basis for the practice of medicine through a challenging basic sciences curriculum.
2. Promote an awareness of the bio-psycho-social and economic-legal contexts in which the practice of medicine occurs.
3. Integrate clinical problem-solving skills with sound scientifically based clinical judgment.
4. Foster an approach to medicine that uses evidence-based medicine and information systems as a basis for practice.
5. Cultivate an atmosphere of scientific inquiry and research.
6. Ensure that each student acquires solid clinical skills and problem-solving techniques that will allow for a smooth transition into residency training.

2. MUA's program of study is principally designed to meet the guidelines for medical education set forth by the LCME. Students whose anticipated or preferred career path is subject to other guidelines or requirements should carefully consider whether MUA's program would satisfy those other requirements.

THE ISLAND OF NEVIS

Nevis is located in the eastern Caribbean, 2 miles from St. Kitts and easily reached by air via connecting flights from San Juan, Antigua, St. Maarten or St. Kitts. Nevis, also called the "Paradise Island," is 36 square miles in area with a population of approximately 12,000. It is a safe island, conducive to study, family life and recreation. Much of Nevis slopes gently down from a 3,000-foot mountain peak to the palm-fringed, silver sand beaches, coconut groves and turquoise sea. Nevis has a pleasant year-round climate with an average temperature of 79 degrees. Humidity is low and constant northeast trade winds keep the island cool. Although there is no defined rainy season, the average annual rainfall is 55 inches. The capital of Nevis is Charlestown. The twin-island federation of St. Christopher (St. Kitts)-Nevis gained its independence from the United Kingdom in 1983, but still remains a member of the British Commonwealth.



ACADEMIC CALENDAR FOR 2012-2014

SPRING 2012

Orientation & Registration	January 2
Classes Begin	January 3
M.D. Graduation	January 6
M.D. Graduation	March 16
Tuition Due for Next Semester	April 1
Last Day of Classes	April 10
Basic Sciences Awards Ceremony	April 12
Reading Day and Final Exams	April 11-13

SUMMER 2012

Orientation and Registration	April 30
Classes Begin	May 1
M.D. Graduation	June 1
Tuition Due for Next Semester	August 1
Last Day of Classes	August 7
Basic Sciences Awards Ceremony	August 9
Reading Day and Final Exams	August 8-10

FALL 2012

Orientation and Registration	August 27
Classes Begin	August 28
M.D. Graduation	September 7
Tuition Due for Next Semester	December 1
Last Day of Classes	December 4
Basic Sciences Awards Ceremony	December 6
Reading Day and Final Exams	December 5-7

SPRING 2013

Orientation and Registration	January 7
Classes Begin	January 8
M.D. Graduation	January 4
M.D. Graduation	March 15
Tuition Due for Next Semester	April 1
Last Day of Classes	April 16
Basic Sciences Awards Ceremony	April 18
Reading Day and Final Exams	April 17-19

SUMMER 2013

Orientation and Registration	May 6
Classes Begin	May 7
M.D. Graduation	June 1
Tuition Due for Next Semester	August 1
Last Day of Classes	August 13
Basic Sciences Awards Ceremony	August 15
Reading Day and Final Exams	August 14-16

FALL 2013

Orientation and Registration	September 2
Classes Begin	September 3
M.D. Graduation	September 6
Tuition Due for Next Semester	December 1
Last Day of Classes	December 10
Basic Sciences Awards Ceremony	December 12
Reading Day and Final Exams	December 11-13

SPRING 2014

Orientation & Registration	January 6
Classes Begin	January 7
M.D. Graduation	January 10
M.D. Graduation	March 21
Tuition Due for Next Semester	April 1
Last Day of Classes	April 15
Basic Sciences Awards Ceremony	April 17
Reading Day and Final Exams	April 16-18

SUMMER 2014

Orientation and Registration	May 5
Classes Begin	May 6
M.D. Graduation	May 16
Tuition Due for Next Semester	August 1
Last Day of Classes	August 12
Basic Sciences Awards Ceremony	August 14
Reading Day and Final Exams	August 13-15

FALL 2014

Orientation and Registration	September 1
Classes Begin	September 2
M.D. Graduation	September 5
Tuition Due for Next Semester	December 1
Last Day of Classes	December 9
Basic Sciences Awards Ceremony	December 11
Reading Day and Final Exams	December 10-12

ADMISSION

Medical University of the Americas encourages applications from students who are dedicated, enthusiastic, and well suited for the rigorous study of medicine. Prospective students must have a solid pre-medical undergraduate education incorporating appropriate science courses. Students are also expected to have a mature sense of values and sound goals for pursuing a career in medicine. Once enrolled at MUA, each student must be able to integrate all information received, demonstrate the ability to learn, analyze and synthesize data, and perform in a reasonably

independent manner. MUA accepts students from wide educational and geographic backgrounds, with the belief that such a diverse student body can only enrich the overall educational experience.

Applicants are accepted based upon the presumption that all of their statements, both oral and written, are true and that all documents are authentic. If it is later discovered that false or inaccurate information was submitted, MUA may nullify acceptance into the program, or if the student is registered, dismiss the student.

Students or graduates of any accredited college or university in the world are invited to apply to MUA. Applicants from the United States (who are U.S. citizens or have permanent visas) or Canada are expected to have a minimum of three years of undergraduate studies or the equivalent of 90 semester hours or 135 quarter hours, including pre-medical requirements from an accredited college or university.



IMPORTANT NOTICE TO NON-U.S AND NON-CANADIAN STUDENTS: In order to complete the program in medicine, students from outside the U.S. and Canada may need to obtain certain visas in order to undertake all or a portion of the requisite clinical training in affiliated hospitals in the U.S. and Canada. Additionally, all students from outside the U.S. and Canada will need certain visas to take one or more segments of the USMLE exams in the U.S. These visas are solely the student's responsibility to obtain. Medical University of the Americas understands that as a result of policies or practices adopted by the U.S. State Department, a number of medical students from outside the U.S. and Canada have been unable to obtain the required visas. Students from outside the U.S. and Canada who are unable to obtain the necessary visas will not be able to complete the school's degree program. In such a case, no refund of tuition or other expenses incurred in connection with his or her attendance at MUA will be made.



EDUCATION REQUIREMENTS

The following courses are considered standard pre-medical requirements for admission. Exceptions will be considered on an individual basis.

Biology: A one-year general biology or zoology course with a laboratory component. Students who elect to pursue additional coursework in the biological sciences should consider genetics, embryology, cell and molecular biology, or comparative anatomy.

Chemistry: One year of inorganic chemistry and one year of organic chemistry with laboratory component. Biochemistry can be considered an option for Organic Chemistry.

English: One year of college-level English literature or composition. Applicants must demonstrate proficiency in writing, reading and oral communication.

Course	Length of Study	Credits
General Biology or Zoology	One academic year	6+ credits
Inorganic Chemistry (with lab)	One academic year	6+ credits
Organic Chemistry (with lab)	One academic year	6+ credits
English (recommended)	One academic year	6+ credits
Physics (recommended)	One academic year	6+ credits
Mathematics (recommended)	One academic year	6+ credits
Other	A broad background in humanities, social or physical sciences, and computer skills	

ADMISSION PROCESS

MUA operates on a trimester system and admits a limited number of students for the January, May, and September semesters. Prospective students may apply for admission to MUA at any time throughout the year. Applicants are encouraged to submit their application and supporting documents early (generally six to eight months in advance). Since the number of students in each class is limited, early applicants have a better chance of securing a place in the semester of choice.

Completed applications are reviewed and evaluated within two weeks by the Pre-Screening Committee. Qualified applicants will be scheduled for a telephone or an in-person interview.

The Admissions Committee will evaluate the candidate's potential based upon the following criteria:

1. Intellectual and academic ability.
2. Communication skills, both oral and written.
3. Goals for entering the medical field.
4. Letters of recommendation and personal statement.
5. Knowledge of international medical education.
6. Special talents, hobbies, interests and international travel.
7. Personal qualities such as spontaneity, enthusiasm, motivation, perseverance and sound judgment.
8. Willingness to work as a team member, function effectively under stress and display flexibility.
9. Community service and leadership skills.
10. Volunteer experience, work or research in the medical field.

Decisions regarding admission are made within ten business days. All interviewed applicants will receive a final decision in writing. Upon receiving a letter of acceptance, students will be required to acknowledge their candidacy within 30 days by submitting a signed registration form along with a nonrefundable tuition deposit of US\$250. The tuition deposit will be credited toward tuition once the student matriculates.

REQUIRED DOCUMENTS FOR APPLYING

The following documents are required to complete the application process:

- Completed application form along with a personal statement.
- Application fee of US\$75.00.
- Official transcript(s) sent directly from each college/university attended.
- MCAT official report (MCAT scores are required for all U.S. citizens, nationals or permanent residents prior to matriculation).
- Two letters of recommendation (at least one should be from an individual capable of assessing the applicant's academic ability), or a Pre-medical advisor's committee report.
- TOEFL scores, official report if applicable.
- Two passport-size (2" x 2"), color photographs.

These additional documents are required once admission has been granted:

- Health certificate/immunization form to include: MMR, diphtheria, tetanus, polio, hepatitis B, and tuberculin.
- Negative HIV test within six months (requirement of the Government of St. Christopher-Nevis).
- Police report or letter of clearance from the applicant's local police department.
- Four passport photographs.
- Completed dormitory form.
- Valid passport.



MCAT REQUIREMENT

The MCAT is requested of North American resident students. Admitted students are to submit their test results prior to enrolling into MUA. The Admissions Committee at MUA will use MCAT scores to assist in the admissions decision, but does not base decisions solely on MCAT scores. There is no minimum score below which an application is automatically rejected.

The MCAT is offered online multiple times per year. Information on the MCAT testing dates is available at www.aamc.org.

Application for the test must be made approximately one month prior to the designated testing date. If using the MCAT (THx) system, please use the school name. MCAT scores must be submitted to the Admissions Office in Devens, Massachusetts.

PROVISIONAL ACCEPTANCE

Applicants who have not met all of the admission requirements may be provisionally accepted. However, if the requirements stipulated in the provisional letter of acceptance have not been successfully fulfilled, the applicant will not be permitted to register for classes.

RE-APPLICATION

Application materials are maintained on file for one year, after which students must re-apply for admission. Unsuccessful candidates may re-apply by submitting a new application form, a US\$75 application fee, an updated personal statement and updated transcripts when applicable.

INTERNATIONAL APPLICANTS

The Admissions Committee actively seeks to enhance the international representation of its student body and therefore takes into account the variety of academic and scholastic differences that exist throughout other countries of the world. Students from all countries can be assured equal consideration for admission to MUA.

Applicants from countries with educational standards similar to the U.S. will be evaluated by the Admissions Committee. Each applicant, in general, should meet the educational requirements for admission to a medical school in their country of origin. Students who have attended institutions outside the U.S. and Canada and whose transcripts are not in English must obtain an interpretation in U.S. equivalency from a translation service. Students who have attended a college or university outside the U.S. or Canada are required to obtain a course-by-course evaluation of their transcript through the World Education Services (www.wes.org) or from other accredited agencies that are members of the National Association of Credential Evaluation Services (www.naces.org).

Since English is the language of instruction at MUA, it is important that applicants be prepared academically to pursue the curriculum and be able to communicate effectively. Applicants whose principal language is not English may be required to take the Test of English as a Foreign Language (TOEFL).

APPLICANTS WITH ADVANCED DEGREES

Medical University of the Americas encourages applications from individuals who hold advanced, graduate, or doctoral degrees in the basic science areas. Each applicant will be evaluated on an individual basis.

TRANSFER APPLICANTS AND ADVANCED STANDING

MUA does not support M.D. programs that do not reflect a solid foundation of traditional medical education. Therefore, MUA will not accept any transfer credits earned through distance learning.

Programs of this nature may seriously jeopardize a student's potential for medical licensure in the U.S., Canada, and other countries. MUA does not offer advanced standing to students for courses taken in Doctor of Chiropractic, Physician Assistant, Podiatry, or Doctor of Dentistry degree programs.

Students with unsatisfactory records or dismissal for any reason from another medical school will not be considered for advanced standing. Acceptance is contingent upon the recommendation of the Admissions Committee on the basis of space availability within the class. Basic Sciences transfer applicants may be accepted to the second, third, or fourth semester.

Transfer students are admitted on a space-available basis into the Basic Sciences portion of the program. Transfer credits are only accepted from schools listed by the World Health Organization (or successor).

Transfer applicants must submit the following documents:

1. Official transcript(s) sent directly from the current institution, and all colleges/universities attended.
2. Verification that the student was a registered medical student and coursework was taken while the student was “in residence.”
3. Students who wish to transfer directly into the Clinical Medicine program will be required to:
 - a) Provide documentation that they have successfully passed the USMLE Step 1 with a score of 200 or better.
 - b) Schedule a personal interview with the Associate Dean of Clinical Medicine.

DEFERRED ENROLLMENT

Students who have already secured placement by paying their tuition deposit may request to defer their enrollment to a future semester. Deferment requests will be considered on a case-by-case basis. Deferments will be granted only if space is available in the requested semester. Students requesting to defer their date of enrollment must submit a Deferment Application along with a US\$500 nonrefundable deferment fee to the Admissions Department. If approved, the tuition deposit and the deferment fee will be credited toward the first semester’s tuition. Only one deferment request will be honored.

In the event the student is still unable to attend the deferred semester, s/he will forfeit their tuition deposit and deferment fee and be required to reapply for admission.

STUDENT ORIENTATION

Attendance at the student orientation is required for all new incoming students. The orientation session is conducted on the day before the first day of class. During orientation, incoming students will officially register for classes, submit documents required for temporary residence, tour the campus, meet the deans and faculty, and learn about MUA policies and procedures.

VISITING THE CAMPUS

MUA maintains an open-door policy and encourages students and their families to visit the campus on Nevis. Visiting the campus will allow students to meet current students and faculty, tour the campus facilities, sit in on classes and visit the dormitories. To avoid arriving during semester breaks and exam periods, please contact the campus Administration Office (869-469-9177) for assistance in scheduling your visit.



CAMPUS

Located on 10 acres of land generously provided by the Government of St. Christopher-Nevis, the Medical University of the Americas Basic Sciences campus is situated on the eastern side of Nevis, overlooking the Atlantic Ocean, three miles from Newcastle airport and one mile from Nisbet Plantation Beach.

Currently, the MUA campus consists of an administration building, classroom buildings, a student cafeteria, a multipurpose building with gross anatomy, microbiology, histology and pathology laboratories, as well as a medical reference library with free wireless Internet access. The teaching microbiology lab includes a wet lab and facilities for incubating and evaluating microbiological cultures.

A state of the art 38,500 square foot building was completed in 2009 and houses additional classrooms, administrative and faculty offices, laboratories, meeting rooms, a clinic, a general function room and a fitness center.

All classrooms are air-conditioned and contain a wide variety of teaching resources such as classroom monitors, slide and overhead projectors, microscopes with video capability, LCD projectors, and computers.

The gross anatomy laboratory utilizes human cadavers that have been specially prepared for medical dissection. In addition, there is a dry anatomy laboratory with many teaching aids, as well as, tutorials in X-Ray, CT and MRI imaging

technologies. The histology and pathology laboratories provide each student with a medical-quality binocular microscope and prepared slides. Faculty has access to dual-binocular and trinocular microscopes to facilitate student learning.

The cafeteria on campus is open to all students, faculty, and staff from 7:00 AM to 5:00 PM. Services include breakfast, lunch, and snacks, with food prices subsidized by MUA.

Recreational facilities on campus include two tennis courts, a basketball court, a volleyball court, a children's play area and a fitness center.

LORRAINE HANLEY BROWNE MEDICAL LIBRARY

The Lorraine Hanley Browne Medical Library is a two-story 10,000 square foot facility that houses computer terminals, individual-study carrels with monitors and videotape recorders. In addition, students have access to an extensive selection of journals and textbooks, as well as extensive access to on-line medical journals and resources. The Learning Resource Center (LRC) also contains printed Kaplan USMLE reference material so that students can start preparing for their board exams throughout their Basic Sciences program.



PRE-MEDICAL PROGRAM

MUA offers a highly structured, one-year, Pre-medical science curriculum designed to allow students a smooth transition into the Doctor of Medicine Basic Sciences program. The Pre-medical program consists of two semesters (one academic year) of science coursework. Students may enter the Pre-medical program during any of the academic semesters (January, May or September).

ADMISSION REQUIREMENTS FOR THE PRE-MEDICAL PROGRAM:

1. Two years of college level coursework (60 semester hours) from an accredited college or university.
2. Applicants must demonstrate proficiency in writing, reading, and oral communications.
3. A completed application form.
4. A nonrefundable application fee of US\$75.
5. A personal statement.
6. Official transcripts from each college/university attended.
7. Two letters of recommendation.
8. Two passport-size (2" x 2"), color photographs.

Coursework in general biology, zoology, genetics, immunology, physics, psychology, and human growth and development are highly recommended, but not required.

EDUCATIONAL REQUIREMENTS

In order to be eligible for the Pre-medical program, candidates must have successfully completed two years of college coursework (60 semester hours). These 60 semester hours may not include any of the courses listed in the Pre-medical curriculum.

CURRICULUM

First Semester:

PMED 011 – Principles of General Chemistry 5

PMED 012 – Medical Terminology 3

PMED 013 – Human Anatomy & Physiology I 6

Second Semester:

PMED 021 – Advanced Organic Chemistry 5

PMED 022 – Introduction to Cell Biology 5

PMED 023 – Human Anatomy & Physiology II 6

Credit Hours

MATRICULATION TO THE M.D. PROGRAM

Students enrolled in the Pre-Medical program must meet the following criteria in order to qualify for matriculation to the Doctor of Medicine program:

1. Complete the entire Pre-Medical Program in two semesters.
2. Achieve an overall GPA of 3.0 (B) and be in good standing.
3. Receive recommendation for admission by the Pre-Medical faculty.



BASIC SCIENCES CURRICULUM



The Medical University of the Americas curriculum in the Doctor of Medicine (M.D.) program parallels the courses and training offered by medical schools in the United States and Canada and is principally designed to meet the guidelines set forth by the Liaison Committee on Medical Education. The Basic Sciences program is five semesters in length. The Clinical Medicine program consists of 72 weeks of clinical rotations at hospitals in the United States and abroad, and eight weeks of the *Research: Literature Review and Analysis* module. The normal time to complete the M.D. program is approximately 48 months.

The first five semesters comprising the Basic Sciences program are taught on Nevis by qualified M.D. and Ph.D. medical school faculty who are dedicated to providing the highest quality instruction. The low student-professor ratio provides ample opportunity for students to interact with the teaching faculty.

The Basic Sciences program consists of five 15-week semesters of coursework with two-week breaks between each semester.

Semester	Course Number	Course Description	Lecture Hours	Lab Hours	Total Hours	Credit Hours
First Semester	MED 111	Gross Anatomy	135	94	229	14
	MED 112	Histology & Cell Biology	117	24	141	10
	MED 113	Embryology	43		43	3
	MED 118	Foundations of Clinical Medicine I	12	7	19	2
	Semester Totals			307	125	432
Second Semester	MED 211	Biochemistry	142		142	10
	MED 212	Human Physiology	142	2	144	10
	MED 215	Medical Genetics	73	8	81	5
	MED 216	Epidemiology & Preventative Medicine	52		52	4
	MED 217	Informatics & Evidence-Based Medicine	30		30	2
	MED 218	Foundations of Clinical Medicine II	8	3	11	1
	Semester Totals			447	13	460
Third Semester	MED 311	Microbiology & Immunology	140	14	154	12
	MED 312	Neuroscience	130	14	144	9
	MED 315	Medical Psychology	130	4	134	9
	MED 316	Medical & Legal Ethics	34	6	40	4
	MED 318	Foundations of Clinical Medicine III	8	2	10	1
	Semester Totals			442	40	482
Fourth Semester	MED 411	Pharmacology & Therapeutics	144		144	12
	MED 412	Pathology I	143		143	11
	MED 418	Foundations of Clinical Medicine IV	59	55	114	6
	Semester Totals			346	55	401
Fifth Semester	MED 511	Clinical Pathology II	130	3	133	11
	MED 512	Integrative Study of the Basic Sciences	200		200	10
	MED 513	Foundations of Clinical Medicine V	93	47	140	10
	Semester Totals			423	50	473

BASIC SCIENCES COURSE DESCRIPTIONS

FIRST SEMESTER

MED 111 GROSS ANATOMY

This is a lecture and laboratory course where students will acquire a basic knowledge of both the gross structure and functional anatomy of organs and systems of the adult human body and how these relate to clinical disease. Concurrent with lecture and small group work, students perform regional dissection of cadavers and study a variety of imaging techniques (including X-rays, CT scans, and MRI scans). Emphasis is on the identification of normal gross structures with lectures and demonstrations to illustrate clinically relevant normal and abnormal findings. The classroom lectures are integrated with small group sessions to provide a sound foundation for learning in other Basic Sciences courses including Physiology, Pathology and Foundations of Clinical Medicine. **(14 credits; 229 hrs. Lecture/Lab)**

MED 112 HISTOLOGY AND CELL BIOLOGY

This course is the study of tissue organization, exploring the operation of the human body at a cellular and subcellular level. It is essential for understanding the mechanism and pathogenesis of disease states and the intricate relationships among the organ systems. Histology also provides the visual picture of the molecular mechanisms of cellular growth, cellular differentiation, tissue repair, and the inter- and intra-cellular defense mechanisms. Lectures are integrated with laboratory experiences in which students identify the microscopic structures of various tissues and organs in the human body, correlating these structures with their functions (a prerequisite for understanding the altered state in various disease processes). This class also lays the groundwork for future courses such as Physiology and Pathology. **(10 credits; 141 hrs. Lecture/Lab)**

MED 113 EMBRYOLOGY

This course provides students with a practical approach to the basic principles of embryology, including genetic inheritance. Lectures describe the stages involved in development of the organs and systems from the time of conception until birth. In addition, students learn to recognize the critical stages of normal development and the effects of common teratogens, genetic mutations and environmental hazards on the development of the fetus. This course also provides a practical approach to the developmental basis of

major variations, abnormalities and congenital anomalies. Lectures are supplemented with embryologic models, slides, and computer graphics characterizing morphogenesis. **(3 credits; 43 hrs. Lecture)**

MED 118 FOUNDATIONS OF CLINICAL MEDICINE I

This course is the first of a four-part curriculum designed to introduce the student to the basic elements of clinical practice. Topics in this semester include communication skills, ethical treatment of patients and professionalism. In addition, students working in small groups with individual physicians will learn the fundamentals of obtaining a complete medical history from the patient's presenting complaint, history of present illness, social history, family history, and review of systems. **(2 credits; 19 hrs. Lecture/Lab)**

SECOND SEMESTER

MED 211 BIOCHEMISTRY

In this course students learn the molecular, cellular, and chemical basis of life, such as those related to the structure and function of carbohydrates, lipids, proteins and nucleic acids. Key areas of emphasis include intermediary metabolism and its regulation, genetic basis of inherited diseases, and biochemical changes associated with the development/etiology of disease. The medical relevance is emphasized through clinical correlation and group discussions of medically important topics. The course lays a foundation in the student's understanding of the normal biochemical functions and processes of the human body, preparing medical students for later learning of disease processes and pharmacological principles. **(10 credits; 142 hrs. Lecture)**

MED 212 HUMAN PHYSIOLOGY

During this course students learn the normal functions and regulation of cells, organs and organ systems and physiological integration of the systems to maintain homeostasis—with emphasis on clinically relevant concepts. Lectures cover the neural and humoral homeostatic mechanisms and understanding of the physiology of muscular, cardiovascular, respiratory, endocrine, reproductive, gastrointestinal and renal systems. In addition, the pathophysiology of selected disease states are also explored. Students get a chance to experience what they have learned in the laboratory component of this

course. This course builds on the student's growing understanding of normal structure and function, laying the foundation for further exploration in pathophysiology and pharmacological effects on organ systems. **(10 credits; 144 hrs. Lecture/Lab)** *Prerequisites: MED 111 & 112 are recommended.*

MED 215 MEDICAL GENETICS

Medical Genetics is a lecture course that provides the students with an understanding of the principles and concepts of inherited disorders. Beginning with a study of chromosomes and the disorders that result from their aberrations, the course covers current diagnosis and treatment, the genetics of human populations and ongoing discoveries and research in molecular biology. **(5 credits; 81 hrs. Lecture)** *Prerequisites: Completion of MED 112 and MED 113 is required.*

MED 216 EPIDEMIOLOGY AND PREVENTATIVE MEDICINE

This course introduces the students to the fundamental concepts of biostatistics and epidemiology. Using the principles of disease distribution, students are able to realize the importance of epidemiologic research to clinical practice. In addition to being able to evaluate current epidemiological issues, students learn the historical importance of how diseases are distributed in various populations and the impact this has on health issues in the 21st century. **(4 credits; 52 hrs. Lecture)**

MED 217 INFORMATICS AND EVIDENCE-BASED MEDICINE

Evidence-based medicine (EBM) is the integration of best research evidence, clinical expertise and patient values. The best evidence is usually found in clinically relevant research that has been conducted using sound methodology. This course introduces students to the general concepts and strategies that are relevant to clinical practice and serves as the foundation for lifelong learning and self study. Objectives of the course include understanding the basic principles and tools utilized in research including methods, and descriptive and inferential statistics; enhancing skills in data analysis and in the interpretation of medical literature; and gaining an appreciation of the value and applicability of sound research in clinical decision making. Students will use this practical learning in subsequent research projects. **(2 credits; 30 hrs. Lecture)**

MED 218 FOUNDATIONS OF CLINICAL MEDICINE II

During this course, students will begin to learn the essentials of performing a physical examination through a systems-based approach. This course allows students to apply their knowledge, understanding, and problem solving abilities in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study. Lectures along with small group demonstrations of a basic screening physical will be presented. Systems presented in this semester include skin, cardiac, pulmonary, and musculoskeletal. Students will use physical examination models, as well as electronic/computerized whole body simulators in the Clinical Skills Center to practice these skills in small groups and to reinforce the principles learning in the other basic science courses. **(1 credit; 11 hrs. Lecture/Lab)** *Prerequisite: Completion of Semester I courses is recommended.*

THIRD SEMESTER

MED 311 MICROBIOLOGY & IMMUNOLOGY

This lecture and laboratory course provides the fundamental principles of microbiology, including the subdisciplines of immunology, virology, bacteriology, mycology and parasitology. This course explores the workings of the human immune system including the intricate processes of antigen recognition, immunoglobulin production and the detection of antigen-antibody reactions. Basic genetic and molecular biological concepts are integrated and connected to clinical manifestations of disease and immunopathological reactions (such as hypersensitivity, autoimmunity, transplantation concerns, tumor immunology, hematology, reproduction, infectious disease and immunodeficiency). Students acquire an understanding of the physiological and virulence properties of microorganisms and epidemiological factors that contribute to human infectious disease; immunological responses contributing to health and disease; and an introduction to the activities and uses of antimicrobial agents for asepsis and treatment. **(12 credits; 154 hrs. Lecture/Lab)** *Prerequisites: Completion of MED 111 is required. Completion of MED 212 is recommended.*

MED 312 NEUROSCIENCES

Neurosciences is a lecture and laboratory course that provides an integrated multidisciplinary study of the structure and functional relationships of the central and peripheral nervous systems and relies on basic knowledge of the anatomy of head and cranial nerves. Neurobiology and neurophysiology, brain metabolism, and the effects of damage and disease on cells of the central nervous system are covered in depth during the initial

part of the course. Students are also introduced to techniques of neuroimaging and are taught introductory clinical assessment during this time. Each aspect of the central nervous system is discussed with regards to both normal structures and processes integrated with the pertinent clinical correlations. Learning is enhanced through laboratory gross brain dissection, imaging techniques and discussion of clinical correlations. **(9 credits; 144 hrs. Lecture/Lab)** *Prerequisites: Completion of MED 111 is required. Completion of MED 212 is recommended.*

MED 315 MEDICAL PSYCHOLOGY

Through learning assignments and group discussions based on clinical problems, students learn about the behavioral sciences. Lectures highlight both normal and abnormal behaviors and include discussions on theories of learning, theories of personality, child development, cognitive functioning, death, sexual behavior, sleep, and the mind-body relationship. Common psychiatric illnesses are covered (symptoms, causes, and treatments) as are other important problems in medical practice such as domestic violence, child abuse and defense mechanisms. Practical learning experiences focus on teaching interviewing skills, mental status examinations, differential diagnosis, defense mechanisms, and practical engagement with patients. **(9 credits; 134 hrs. Lecture/Lab)**

MED 316 MEDICAL AND LEGAL ETHICS

Through a combination of lectures and small group interactions, students are presented with a practical introduction to the current body of legal and ethical foundations involved in the practice of modern medicine. Students learn to address a number of moral and ethical health care questions depicting real-life issues taken from current literature and public records. **(4 credits; 40 hrs. Lecture/Lab)**

MED 318 FOUNDATIONS OF CLINICAL MEDICINE III

Students will begin to learn the essentials of performing a mental status and neurological examination in conjunction with the neuroscience course, in addition to continuing to refine their skills from the previous semesters. At the completion of this course students will have the ability to integrate knowledge, handle complexity, and formulate judgments with incomplete or limited information, including reflecting on social and ethical responsibilities linked to the application of their knowledge and judgments. Students will practice these skills in small groups in the Clinical Skills Center. **(1 credit; 10 hrs. Lecture/Lab)** *Prerequisite: Completion of Semester II courses is recommended.*

FOURTH SEMESTER

MED 411 PHARMACOLOGY & THERAPEUTICS

This course provides a thorough approach to pharmacokinetic and pharmacodynamic actions of common pharmaceutical preparations. The understanding of molecular structure and orientation, the mechanisms of action of medications, and characteristics of tolerance, sensitivity, therapeutic indices, dependency, withdrawal, and drug interactions are described in depth. Students will gain a functional understanding of major therapeutic drugs: their absorption, distribution, metabolism and elimination; dose-response relationships; efficacy, mechanisms of action; therapeutic uses; drug interactions and toxicity. In addition to focusing on the pharmacological actions and interactions of medications, this course specifically examines the therapeutic uses and effects on clinical disease states using a case-based method. **(12 credits; 144 hrs. Lecture)** *Prerequisite: Completion of MED 311 & 312 is recommended.*

MED 412 PATHOLOGY I

This course introduces students to the responses of cells, tissues and organs to major disease processes. Topic areas covered include cell injury and cell death, inflammation, blood coagulation, immune deficiency diseases and some tumors. Group discussions are also a part of the course, as are laboratory exercises that utilize computerized slides and computer-assisted modules to explore concepts discussed in lectures. **(11 credits; 143 hrs. Lecture/Lab)** *Prerequisite: Completion of MED 311 is required. Completion of MED 215 is recommended.*

MED 418 FOUNDATIONS OF CLINICAL MEDICINE IV

This course is designed to help prepare the student for the clinical phase of medical school education. Lectures and demonstrations will review and reinforce the communication, professionalism, interviewing, screening physical and neurological examination skills learned in previous semesters of the Doctor Patient Relationship courses. Students will practice these skills in small groups in Clinical Skills Laboratory with individual physicians. At the completion of this course students will be able to communicate their conclusions, and the knowledge and rationale underpinning these conclusions, to specialist and nonspecialist audiences clearly and unambiguously; students will also have the learning skills to allow them to continue to study in a manner that may be largely self-directed or autonomous. **(6 credits; 114 hrs. Lecture/Lab)** *Prerequisite: Completion of Semester III courses is recommended.*

FIFTH SEMESTER

MED 511 PATHOLOGY II

During this course, students build upon the knowledge base developed in Pathology I (MED 412) and explore the pathology of each organ system in detail, including pediatric pathology. Through the use of microscopes, slides, and computer modules, students learn about pathophysiologic abnormalities of disease processes. Case studies are used to enhance the relationship between the pathologic basis of diseases and clinical treatment protocols. **(11 credits; 133 hrs. Lecture/Lab)** *Prerequisite: Completion of MED 412 is required.*

MED 512 INTEGRATIVE STUDY OF THE BASIC SCIENCES

This course provides an integrative approach to Basic Sciences for MUA students as they prepare for the USMLE Step 1. During the opening weeks of the course, students are offered a diagnostic pretest to help identify areas of challenge to assist in developing strategically designed study goals and schedules. In addition to the review materials, students are presented with the essential key elements in live review sessions in each subject area by experienced faculty and guest lectures. Frequent assessment throughout the course provides students the feedback they need to focus on their specific needs. Following the completion of the program, students are offered a simulated USMLE Step 1 to evaluate the comprehensiveness of their preparation. **(10 credits; 200 hrs.)** *Prerequisites: Students must have completed all courses in Semesters I-IV, as well as have completed or simultaneously enrolled in Semester V courses.*

MED 513 FOUNDATIONS OF CLINICAL MEDICINE V

This course is designed to help the student integrate the knowledge learned in the basic sciences into the cognitive processes required for successful transition into the clinical sciences and to gain experience applying this knowledge to the practical approach of patient care. Students study the clinical presentation and management of major systemic disease processes including pertinent laboratory tests and radiologic studies of diagnostic importance. Advanced skills in interviewing techniques, history taking, and physical examination during problem-focused patient encounters will be covered. Emphasis is placed on the development of a student's case presentation skills. The course faculty also team-teach small group clinical tutorials related to lecture and lab content. **(10 credits; 140 hrs. Lecture/Lab)** *Prerequisites: Students must have completed all courses in Semesters I-IV, as well as completed or simultaneously have enrolled in MED 511.*

ELECTIVE COURSES

There are two types of elective courses offered: workshops (ELEW series) and short courses (ELEC series). Workshops meet a limited number of times and are generally focused on skills development (active and reflective learning methods, suturing and surgical knot tying, etc.). Short courses meet multiple times during the semester, typically for one hour at each session (journal clubs are an example of short courses). Availability of specific offerings changes from semester to semester. All electives are graded as Pass/Fail.

Examples of some of the elective courses available are:

ELEW 101 ACTIVE AND REFLECTIVE LEARNING METHODS

The purpose of this elective workshop is to provide students with basic skills for study-time scheduling and the application of active study methods, multiple cycles of review and self-assessment to facilitate learning in medical school courses/clerkships.

ELEW 102 POISONOUS PLANTS, FATAL FOODS AND MURDEROUS MEDICINES

This course has two elements: (1) a classroom discussion on common poisonous plants that are often used around the house or in gardens; things children may eat, adults may handle or even foods that may be fatal in the wrong form, and (2) the lecture portion will be followed by a two-hour hike up the mountainside discussing traditional medicines, what they were used for and how they could either kill or cure.

ELEC 101 COMPLEMENTARY AND ALTERNATIVE MEDICINES

The purpose of this course is to introduce students to alternative medical systems being practiced in various parts of the world that are gaining acceptance in North America (including Ayurvedic medicine, Chinese and Kampo medicine, Greco-Arab medicine, homeopathy, and herbal therapies). Concepts of health/disease states, treatment modalities, common uses as adjunctive treatment, and potential interactions with standard therapies will be explored in a lecture/discussion format.

ELEC 102 JOURNAL CLUB

Faculty and students analyze and discuss current journal articles typically relating to clinical questions and patient care (diagnosis/ screening, therapy, harm, and prognosis). Each week a participant presents a journal article(s) of his/her choice and leads a discussion incorporating elements of evidence-based medicine.

ELEC 103 YOGA FOR STRESS MANAGEMENT

This enjoyable short course, for both beginners and those with some experience, leads students at a moderate pace through basic hatha yoga postures, combined with body strengthening, alignment, balancing, relaxation, and breathing techniques. It is a rewarding way to stay fit, remove stiffness, and improve flexibility, while releasing stress and preventing fatigue. Students should return to their class and study schedules feeling as if they've just had a great massage—invigorated, with renewed mental energy and without excessive perspiration.

RESEARCH

Students and faculty are encouraged to participate in research projects. Students are able to engage in projects focused on the advancement of patient-focused care, especially as related to primary care and underserved populations.

ELEC 104 RESEARCH

Students are invited to participate in research projects at the discretion of the professor. The amount of credit and time will be determined on a case-by-case basis.

MED 515 INDEPENDENT STUDY

In this course, students learn the skills of a systematic approach to acquiring important medical data via independent study. Medical information acquisition and further review of topics of interest will be accomplished under the guidance of a faculty mentor. Students will develop their skills by working with an individual professor who agrees to monitor their experience. Students will be responsible for defining their area of interests and arranging the experience with their faculty mentor (variable hours and credits). May be taken any semester with permission of the Associate Dean of Basic Sciences and the instructor.

REQUIRED EQUIPMENT AND MATERIALS

Medical Apparel: Students must purchase their own medical apparel (laboratory coats, scrubs, short white coat, etc.).

Computer: Students should consider bringing a laptop for note taking during classes. The majority of lectures are presented using PowerPoint.

Textbooks: Students will be given a list of required textbooks and other equipment at the time of admission. A complete listing is available on the MUA website. Faculty may make changes to the booklist up to two months prior to the first day of class. MUA reserves the right to change the book list. To prevent unnecessary expenditures, it is suggested that students purchase their textbooks one semester at a time.

CLINICAL MEDICINE



Once students have successfully completed the Basic Sciences, they are eligible to enter the Clinical Medicine portion of the M.D. program. The 80-week Clinical Medicine Program component consists of a required eight-week research module followed by 72 weeks of clinical clerkships in various medical specialties in selected teaching hospitals in the United States and abroad. During this time, students attain broad experience in conducting physical examinations, taking thorough histories while focusing on the fundamentals of diagnosis and gaining an introduction to the management of health care problems.

The 72 weeks of clinical clerkships include 42 weeks of required “core” clinical hospital rotations and 30 weeks of “elective” rotations. Core rotations consist of Internal Medicine, Surgery, Pediatrics, Psychiatry, and Obstetrics and Gynecology.

Elective rotations may be in any of the various medical specialties, depending upon the student’s future goals. Since

a few states in the U.S. require a clinical rotation in Family Medicine as a prerequisite to licensure, it is highly recommended that all students complete an elective rotation of at least four weeks in Family Medicine.

REQUIREMENTS FOR CLINICAL PLACEMENT

Students must meet the following criteria in order to qualify for matriculation to the Clinical Medicine program:

- Achieve a minimum grade point average (GPA) of 2.0 (C) and be considered in good standing at the completion of the Basic Sciences program.
- Receive a recommendation by the Promotions Committee and the Associate Dean of Basic Sciences.
- Submit a complete and updated Immunization Form.
- Participate in a Clinical Orientation Session on the MUA campus.

- Sign the MUA Clinical Medicine contract.
- Provide proof of personal health insurance.
- Submit an updated resume.
- Submit a USMLE release form.
- Pass the USMLE Step 1.
- Pay liability insurance premium.
- Research: Literature Review and Analysis final paper approved by sponsor for presentation to committee

RESEARCH: LITERATURE REVIEW AND ANALYSIS

The Research: Literature Review and Analysis course, a required portion of the curriculum (effective September, 2012), is designed to further develop students’ abilities to evaluate and assimilate scientific evidence and to reinforce the skills required to critically appraise the ever-changing body of medical knowledge.

Consistent with the university’s mission to educate tomorrow’s healthcare leaders and the advancement of patient-centered care, these skills are essential to modern practicing physicians who will have to continuously improve their medical knowledge and clinical skills over the course of their career.

Students are expected to apply the knowledge and understanding from their Basic Sciences courses to analyze a current and complex medical care question, using evidence from published medical literature. As part of this course, students are required to write a paper that is evaluated by a faculty committee.

While working independently, students will interact on a regular basis with a faculty mentor who will provide oversight throughout the project including: selection of an appropriate topic; identification of relevant literature; formulating conclusions; and the preparation of a final paper. The sponsor will also review the written paper to ensure that it meets university standards prior to approval for submittal to the faculty committee for review.

CLINICAL PLACEMENT

Geographical mobility is required of all students in the Clinical Medicine program. Students are given an opportunity to fill out a geographical preference form prior to entering the Clinical Medicine program. Special consideration is given to engaged students, married students and students with school-age children. Scores on the USMLE Step 1 may also be taken into consideration, as some hospitals/ medical centers have set cutoff scores for acceptance into a clinical rotation at their respective centers.

For students requiring visas, Medical University of the Americas will make every attempt to place a student in a clinical rotation within an approved U.S. Hospital/Medical Center. This placement is subject to United States government regulations.

Clinical clerkships are scheduled through the MUA Office of Clinical Medicine. Students are not permitted to contact affiliated hospitals directly until official assignment to the site is received via a clerkship confirmation form. Special arrangements for electives or other clerkships should be cleared first through the Office of Clinical Medicine, which will provide proof of insurance and liaison contacts with the hospital or preceptor.

CLINICAL MEDICINE CLERKSHIPS

CORE ROTATIONS*

Internal Medicine	12 weeks
Surgery.....	12 weeks
Obstetrics and Gynecology	6 weeks
Pediatrics	6 weeks
Psychiatry.....	6 weeks
TOTAL	42 weeks

*Note: Students are required to take Core Clinical Examinations at the completion of each core rotation.

INTERNAL MEDICINE

Students build on skills acquired in Foundations of Clinical Medicine to include the completion of a thorough history and physical examination of primarily adult patients. Students will be a part of the clinical management team and given responsibilities for certain aspects of direct patient care under the close supervision of a preceptor. Students will have clerkship

experiences in both inpatient and ambulatory care settings. Instruction will include the management of commonly encountered disease processes as well as an introduction to the use of diagnostic procedures.

SURGERY

Students will be introduced to disease processes that require various levels of surgical intervention. Initially, students will be taught the policies and procedures of the operating room including scrubbing and the maintaining of sterile technique. They will have opportunities to do presurgical histories and physical examinations. Opportunities will be provided for direct practice of simple procedures such as suturing, debridement and wound care. Under close supervision of a preceptor, students will be able to observe and assist during various procedures in the operating room and participate in the follow-up and treatment of the postsurgical patient in the hospital and in ambulatory practice settings. (12 weeks)

OBSTETRICS AND GYNECOLOGY

Students will be introduced to the normal course of pregnancy to include prenatal care, labor, delivery and the postpartum period. Students will be taught the fundamentals of a proper obstetric and gynecologic history and examination. Observation and participation in a number of live births will be provided. Students will also participate in discussions and receive direct experience with various disease processes and complications of pregnancy and delivery. Students will learn the fundamentals of family planning and dealing with patients with sexually transmitted diseases. (6 weeks)

PEDIATRICS

This clinical rotation introduces the student to the challenging medical treatment of infants, children and adolescents. Students initially will learn to take histories and perform physical examinations on well infants and children in inpatient and outpatient clinic settings. The diagnosis and treatment of common illnesses will be emphasized, but the student will have opportunities to learn about the more rare congenital as well as acquired disorders. (6 weeks)

PSYCHIATRY

In this rotation students learn about the major psychiatric illnesses such as schizophrenia, and affective and anxiety disorders. Special emphasis will be placed on the difference between organic and functional mental illnesses through taking a proper psychiatric history and performing a mental status examination. Students will be instructed in the judicious use of major classes of psychotropic medications. (6 weeks)

ELECTIVE CLINICAL ROTATIONS

Elective rotations are usually completed during the fourth year of medical school. Their purpose is to assist the student in identifying areas of special interest. Although students may select elective rotations in any area, we recommend that students consider rotations in Family Medicine, Cardiology, Neurology, and Emergency Medicine, as well as a subinternship in a core specialty of interest.

HOSPITAL AFFILIATIONS

(PARTIAL LIST)

Brentwood Behavioral Health .. Shreveport, LA
Harbor Hospital Center..... Baltimore, MD
Leonard J. Chabert Hospital Houma, LA
St. Anthony Hospital..... Oklahoma City, OK
St. Vincent's Medical Center.... Bridgeport, CT
Sheppard Pratt Hospital..... Baltimore, MD
Union Memorial Hospital Baltimore, MD
Wyckoff Heights
Medical Center..... Brooklyn, NY

DOCTOR OF MEDICINE GRADUATION REQUIREMENTS

- Satisfactory completion of Basic Sciences and Clinical Medicine curriculum.
- Passing scores on the United States Medical Licensing Exam (USMLE) Step 1, USMLE Step 2 Clinical Knowledge and USMLE Step 2 Clinical Skills.
- Overall grade point average of 2.0 (C) or higher.
- Payment of all outstanding financial obligations.
- Return of all assigned institutional property and equipment in acceptable condition.
- Approval to graduate is subject to the approval from the Board of Trustees.

NATIONAL RESIDENT MATCHING PROGRAM

The faculty and staff at MUA take special pride in mentoring students for residency positions in the United States and abroad.³ Students become eligible for the National Resident Matching Program in the United States by passing Step 1, Step 2/CK, and Step 2/CS, of the USMLE.

A list of MUA graduates and their residency placements are listed at the back of this catalog and on the university website (www.mua.edu).

3. MUA's program of study is principally designed to meet the guidelines for medical education set forth by the LCME. Students whose anticipated or preferred career path is subject to other guidelines or requirements should carefully consider whether MUA's program would satisfy those other requirements.

BACHELOR OF HEALTH SCIENCE



Medical University of the Americas believes in a strong, well-rounded general education for all students that incorporates a common core of knowledge. Therefore, MUA has established general education course requirements for the baccalaureate degree. Students who wish to apply for the baccalaureate degree must fulfill the requirements below.

EDUCATIONAL REQUIREMENTS

In order to qualify, students must have already earned a minimum of 90 semester hours from an accredited, senior-level institution or a college. The total of 120 semester hours can be combined with pre-medical coursework and courses taken in the Doctor of Medicine (M.D.) program at Medical University of the Americas.

Each student must complete the Basic Sciences program at Medical University of the Americas and maintain an academic average of

2.0 (C) or better. Only those courses for which the student has received a satisfactory grade may be applied toward the degree.

GENERAL REQUIREMENTS

1. Official transcripts from all institutions previously attended must be in the student's permanent file
2. Applications for the Bachelor of Health Science degree must be submitted at the beginning of the fifth semester of the Basic Sciences program. Applications are available in the Student Handbook or at the campus Administrative Office.
3. Applicants must have a cumulative grade point average of 2.0 (C) or higher, as calculated in accordance with the university's grading regulations.
4. Completion of the core requirements outlined on this page.

The Bachelor of Health Science degree will be conferred upon completion of the Basic Sciences program during the White Coat ceremony.

CORE REQUIREMENTS

The following subject areas represent the core general education requirements for the program. Any modifications to these courses must be approved by the Associate Dean of Basic Sciences.

Humanities:	12 semester hours
Mathematics and Sciences:	19 semester hours
Social Sciences:	9 semester hours
Electives:	50 semester hours
Basic Sciences courses:	30 semester hours
Total:	120 semester hours

ACADEMIC POLICIES

HONOR CODE OF PROFESSIONAL CONDUCT

Throughout medical school training, the student is expected to develop and demonstrate qualities, attitudes, and behavioral patterns appropriate to a career in medicine. The student shall maintain high standards of personal and professional behavior in interactions with other students, patients, members of the health care team, members of the faculty and staff, and follow hospital and university policies and procedures.

MUA is committed to maintaining the highest standards of integrity, academic performance, professional behavior, and respect for each other as individuals. Students are expected to maintain these high standards of professional behavior in all aspects of their medical school training, in both the academic setting and in the community.

Students are required to sign an honor code contract prior to matriculation stating that s/he will maintain a high degree of personal honor and integrity during their medical training. Breach of this contract may result in sanctions ranging from a warning, to the student's dismissal from school. The rights and responsibilities of students with regard to regulations pertaining to student conduct can be found in the current MUA Student Handbook.



ATTENDANCE

Regular, punctual attendance is mandatory of all students in Basic Sciences classes. Students who exceed the number of allotted absences are subject to academic review and penalty. Full attendance is required at all clerkships. Students are expected to make up days missed due to illness or other reasons.

WITHDRAWAL

Withdrawal requests must be submitted in writing to the Associate Dean of Basic Sciences or the Associate Dean of Clinical Medicine. Basic Sciences students are required to submit an island clearance to the Administrative Office. Failure to comply may result in retention of student records.

LEAVE OF ABSENCE

MUA recognizes that on occasion a student's education may be interrupted for a variety of reasons. If necessary, a Leave of Absence may be granted by the appropriate Dean at their discretion, prior to the student interrupting their education. An approved Leave of Absence will guarantee that the student will be allowed to resume their education under the guidelines of the program in place at the time of resumption. A student who fails to complete a semester without being granted a Leave of Absence will be administratively withdrawn and will be required to reapply for admission. Open-ended Leaves of Absence (those without a specific date for resumption of studies) will not be allowed.

Clinical Medicine students who wish to take more than 30 days off during their third and/or fourth year clerkships must request written

permission in advance from the Associate Dean of Clinical Medicine. Students must specify dates and the reason for the request. Failure to request a Leave of Absence may result in immediate administrative withdrawal. The Office of Clinical Medicine, the preceptor and the hospital's Office of Medical Education must be notified immediately if a student has an emergency requiring absence from a rotation. All time missed during a rotation must be made up to the satisfaction of the Director of Medical Education or the preceptor.

GRIEVANCE AND APPEALS PROCESS

Every student has the right to file a grievance or appeal a decision.

Students seeking to resolve problems or complaints should first contact their instructor. If a student wants to appeal a decision by the Promotions or Disciplinary Committees s/he must submit his/her appeal in writing to the University Registrar. The appropriate Dean or review committee will make a decision after receiving the appeal request whether to accept or deny. (Refer to Student Handbook.)

ACADEMIC GUIDELINES AND GRADING POLICY

EXAMINATIONS

Examinations will be given in each Basic Sciences course every month. Final exams are given at the end of each semester. Quizzes, oral presentations, and writing assignments may be used at the discretion of the instructor. Examinations are generally given in a format compatible with that of the USMLE and will include laboratory and clinical skills assessment when appropriate.

Students are required to be present at the scheduled time for every examination. Scheduled examination policy and procedures are determined by the faculty and presented to the students at the beginning of each course, as well as outlined in the class syllabus and Student Handbook.

OFFICE OF THE REGISTRAR

Permanent records of students are maintained in the Office of the Registrar. The Office of the Registrar is responsible for enrollment statistics, verification of attendance, management of all student records, and issuance of transcripts and grade reports.

TRANSCRIPT REQUESTS

A request for an official copy of a transcript must be made in writing and must be submitted to the Office of the Registrar along with a US\$10 transcript fee. Requests for transcripts are honored once a student's financial obligation to MUA has been met. Transcript request forms can be downloaded from MUA's website (www.mua.edu) under the "Academics and Registrar" tab.

Transcripts will be issued only for completed coursework, although a list of "courses in progress" can be included upon request. Grade reports for all courses completed at MUA will be sent to each student, without charge, within three weeks after the end of the semester.

STUDENT PROMOTIONS COMMITTEE

The Student Promotions Committee is responsible for reviewing the academic

performance of each student during, and at the end of each semester. Students who fail to perform to the standards of MUA will either be placed on Academic Probation, or if already on Academic Probation, may be recommended for dismissal from the program. (Refer to Student Handbook.)

GRADING POLICY

A score of 70% or higher is required to pass examinations in both the Basic Sciences and Clinical Medicine programs. Course grades will be based on the following criteria:

A	90–100% (4.0 Quality Units) Superior performance.
B	80–89% (3.0–3.9 Quality Units) Good, commendable performance.
C	70–79% (2.0–2.9 Quality Units) Satisfactory performance.
F	Below 70% Unsatisfactory, failing performance.
I	Incomplete This grade indicates that a student was doing satisfactory work, but for nonacademic reasons was unable to meet the full requirements of the course.
W	Withdrawn This grade indicates that a student was permitted to withdraw without an academic grade penalty. Any student who withdraws on or before the 10th week of class will receive a W.
WF	Withdrawn Failing This grade indicates that a student was permitted to withdraw from a class but was failing academically at the time.
WP	Withdrawn Pass This grade indicates that a student was permitted to withdraw from a class, but was passing at the time of withdrawal. WP carries no academic grade penalty.
T/C	Transfer Credit Accepted transfer credits.
	Scheduled Approved clerkship, grade not yet awarded.
Current	Clerkship in progress (indicates number of weeks but not grade).
Pending	Clerkship complete, awaiting final grade.

DISMISSAL

A student may be dismissed from MUA for any of the following reasons:

1. Failure to maintain academic performance as determined by the Promotions Committee such as:
 - a) Withdrawn (W), Failing (F) or Withdrawn-Failure (WF) of any course while on Academic Probation.
 - b) Withdrawn (W), Failing (F) or Withdrawn-Failure (WF) in any repeated course.
 - c) Withdrawn (W), Failing (F) or Withdrawn-Failure (WF) for two or more courses while enrolled in Basic Sciences, whether or not on Academic Probation.
2. Violation of the laws or statutes of the island of St. Kitts-Nevis.
3. Demonstration of behavioral or emotional instability that impairs judgment and/or represents a potential compromise to patient care.
4. Violation of the substance-abuse policy of MUA, as printed in the MUA Student Handbook.
5. Failure to progress in the Clinical Medicine program for the following reasons:
 - a) Extensive and multiple leaves of absence.
 - b) Multiple USMLE failures.
 - c) Unethical conduct.

EDUCATIONAL COMMISSION FOR FOREIGN MEDICAL GRADUATES (ECFMG)

Medical University of the Americas prepares its students for the practice of medicine. Students should familiarize themselves with the licensure and certification requirements of the jurisdiction(s) in which they may wish to practice. All students are required to sit for and pass the United States Medical Licensing Exam (USMLE) Step 1, USMLE Step 2 Clinical Knowledge and USMLE Step 2 Clinical Skills, regardless of whether they intend to practice in the United States. In accordance with the university's regulatory and accrediting requirements, all students are further required to report their USMLE scores to MUA, provide a consent allowing ECFMG to report their scores to the university, and provide a consent allowing the university to report their scores to the university's regulatory and accrediting bodies.

The following is the four-step process for achieving medical licensure in the United States:

1. USMLE Step 1 (comprehensive examination covering the basic sciences)
2. USMLE Step 2/CK (Clinical Knowledge)
3. USMLE Step 2/CS (Clinical Skills practicum)
4. USMLE Step 3 (post-graduate)

Detailed information regarding USMLE examinations can be found at the Educational Commission for Foreign Medical Graduates (ECFMG) website, www.ecfm.org.

It is advantageous for the student to take the USMLE Step 1 as soon as possible after completing the Basic Sciences. Students will not be permitted to complete any clinical rotations unless they have successfully completed the USMLE Step 1 exam. Students may be endorsed a maximum of three times for Step 1 and Step 2 examinations. Further endorsement requires a written appeal to the Promotions Committee. In addition, Canadian students are strongly encouraged to take the Medical Council of Canada Examination (MCCE) as well as the USMLE.

CEREMONIES

WHITE COAT CEREMONY

Students fulfilling the Basic Sciences portion of the M.D. program will be awarded a certificate of completion at the White Coat ceremony held on Nevis during the last week of the fifth semester. All students who have met the Basic Sciences requirements are required to attend the ceremony. Bachelor of Health Science degrees will be conferred to those students who have applied and fulfilled the requirements. Academic awards will also be presented at that time.

DOCTOR OF MEDICINE COMMENCEMENT

The commencement exercise for conferring the Doctor of Medicine degree is held annually in the United States. Students who have completed the graduation requirements in the preceding September, January, and May semesters are expected to attend the formal graduation ceremony. To be eligible to receive the Doctor of Medicine degree, students must satisfy requirements of the Basic Sciences curriculum and Clinical Medicine program and pass the United States Medical Licensing Exam (USMLE) Step 1, USMLE Step 2 Clinical Knowledge and USMLE Step 2 Clinical Skills. In addition, all outstanding balances must be paid in full by the commencement date.

STUDENT RESPONSIBILITIES

HEALTH INSURANCE

Students are required to carry health insurance coverage for the duration of their medical school program. Proof of coverage is necessary upon matriculation and is required by hospitals prior to students beginning a clinical rotation. Information on individual and group policies is included in the student's acceptance packet or may be requested from the Admissions Office.

MEDICAL EVACUATION AND REPATRIATION INSURANCE

MUA provides a mandatory Emergency Medical Evacuation and Repatriation insurance policy that covers students in the event that emergency treatment is needed. This insurance will cover the cost of medical evacuation to a nearby facility for emergency care in the event it cannot be handled at the Alexandra Hospital on Nevis. The premium amount is US\$30 per semester per student and is included in the Student Activity Fee. It is mandatory that all students and dependents carry this insurance.

LIABILITY INSURANCE

Students must carry liability insurance during the 72 weeks of their Clinical Medicine program. Application forms will be provided upon admission to the Clinical Medicine program.

STUDENT HEALTH CARE ON NEVIS

Medical-surgical hospitals are available on both St. Kitts and Nevis for both inpatient and outpatient care. Students with major illnesses should recognize the limited health care facilities available to the island of Nevis, and consider their own personal health risks prior to matriculation.

CHANGE IN STATUS

It is the responsibility of the student to notify the Office of the Registrar, as soon as possible, of any changes in name, contact information (address, phone numbers, email address, etc.), financial status, etc.

CLEARANCE FROM NEVIS

It is important for the entire MUA community to be fiscally responsible. Students completing the Basic Sciences or concluding studies for any reason are required to obtain a Financial Clearance Letter from the MUA Administration Office. Clearance signatures are required from the student's landlord, major utility company, and local telephone company where the student may have acquired debt. This is done to ensure that no student leaves Nevis with financial debt.

ACADEMIC RECOGNITION AND AWARDS

DEAN'S LIST

Students who achieve a 4.0 grade-point average and are full-time students qualify for the Dean's List.

HONOR'S LIST

Students whose grade point average is 3.75–3.99 and are full-time students qualify for the Honor's List

DEAN OF BASIC SCIENCES AWARD

In recognition of the student with the highest academic class average during the Basic Sciences program.

PREMIER OF NEVIS AWARD

In recognition of contributions to the student body, the university and the Nevis community.

MUA SERVICE AND LEADERSHIP AWARD

For providing outstanding leadership and service to fellow students.

MUA DEAN OF CLINICAL MEDICINE AWARD

In recognition of outstanding performance and academic excellence in the clinical science portion of training.



STUDENT LIFE

DRESS REQUIREMENTS

Summer cotton sportswear is appropriate for daytime activities all year round. A sweater or light jacket may be needed for the cooler winter evenings. Although formal wear is not required on Nevis, certain social activities may require men to wear trousers and women to wear skirts or dresses. As aspiring doctors, it is important to project an air of professionalism at all times.

Appropriate dress communicates to the community high standards of discipline and seriousness of purpose. The university has implemented a dress code that forbids clothing that is professionally inappropriate. Good grooming and professional appearance are required.

MUA DORMITORIES

There are two MUA dormitories, which are privately owned. One dormitory is located three miles from the main campus and is a five-minute walk to two of Nevis's finest beaches. All dormitory rooms are fully furnished and contain a microwave, refrigerator, private bath, twin beds, desks and chairs, and a small patio with either an ocean or mountain view. Transportation to and from campus is provided by school vans. Laundry, fitness center, restaurant, and grocery facilities are adjacent to the dormitory. A second, similar dormitory is adjacent to the campus.

Rent (including utilities, government tax and security deposit for the entire semester US\$1,830/double; US\$2,539/single) must be paid by bank draft, traveler's checks or certified check) on arrival to Mr. Orville Liburd, landlord of the dormitory. He will welcome you at the dorm upon your arrival on Nevis. A security deposit of US\$100 per person is required and will be returned to the student when s/he returns to school for the next semester. If the student will not be returning to MUA, the security deposit will be returned once the room has been fully inspected.

All unaccompanied students must reside in the dorm during their first semester. The definition of an unaccompanied student is a student who does not have someone living with them on a permanent basis that qualifies for temporary residence (no overnight guests are allowed in the dorm). By residing in the dorm,

students will have the opportunity to meet other classmates, become oriented with the island, get settled in classes, and form study groups that may lead to future roommates in an apartment/house on the island. It may be possible to rent a single room depending upon the number of students enrolled in your class. With the assistance of the Housing Coordinator, the university will provide incoming students with a compatible roommate.

OFF-CAMPUS HOUSING

Fully furnished apartments, houses and single rooms are available for rent throughout the island. The MUA Housing Coordinator will provide assistance in locating suitable housing for those students arriving on Nevis with a spouse or family. Contact should be made approximately two months prior to matriculation.



MEAL PLAN

The campus cafeteria offers students and faculty breakfast, lunch and preordered dinners during the week. The cafeteria is open Monday-Friday, 8:00 AM-5:00 PM, and offers a wide variety of foods including ethnic delights and vegetarian meals. Students may purchase an individual meal or one of several flexible meal plans. Prices are subject to change without notice.

SMOKE-FREE ENVIRONMENT POLICY

MUA is committed to the promotion of a healthy environment for all students. Therefore, smoking within any of the medical school buildings, hospital, library, or other school facilities is not permitted. Students are expected to adhere to hospital smoking policies during rotations.

SUBSTANCE ABUSE

MUA has a zero tolerance policy on drug use (including distribution and possession) and excessive alcohol use while enrolled at the university. Drug use is determined on-site by testing, random or otherwise, with a multidrug screening kit. All students prior to coming to Nevis will be expected to sign a waiver allowing random drug testing. In the event of a specific complaint about a student, the test will not be random (refer to the Student Handbook for policy details).

STUDENT ORGANIZATIONS

Student Government Association (SGA): The goal of SGA is to promote self-improvement, organize recreational activities, and to arbitrate and resolve student issues. Each semester, the student body elects a president, vice-president, secretary and treasurer. Class representatives to SGA are elected from Pre-medical through semesters 1-5. SGA sponsors numerous student events and health-related projects for the island community. The officers meet regularly with the medical school administration to discuss student issues.

American Medical Student Association (AMSA): AMSA is a student-governed national organization committed to representing the concerns of physicians in training. MUA strongly encourages membership in the American Medical Student Association.

Student National Medical Association (SNMA): SNMA is committed to supporting current and future underrepresented minority medical students, addressing the needs of the underserved communities, and increasing the number of clinically excellent, culturally competent, and socially conscious physicians.

Spouses of Students (SOS): SOS is a support group for the spouses and children of medical students attending MUA. This network organizes events and provides support and assistance through the initial adjustment to island life.

Christian Medical Student Association (CMSA): CMSA meets every Sunday for an informal worship service led by fellow students. This Christian group is open to all students and is non-denominational.

Eastern Asian Medical Student Association (EAMSA): EAMSA promotes Eastern Asian culture and heritage among students, faculty and staff. Membership is open to all students of MUA. EAMSA encourages members from various cultural and ethnic backgrounds to share their cultural experiences with the group. Celebrations of important festivals and social events are sponsored by EAMSA throughout the school year.

Muslim Medical Student Association (MMSA): MMSA promotes Muslim culture and heritage among students, faculty, and staff. Membership is open to all students of MUA. MMSA encourages members from various cultural and ethnic backgrounds to share their cultural experiences with the group. Celebrations of important festivals and social events are sponsored by MMSA throughout the school year.



FINANCIAL INFORMATION

It is the goal of MUA to consistently maintain reasonable tuition rates that will allow students from diverse economic backgrounds the opportunity to attend medical school and achieve their career objectives. Tuition rates at MUA compare favorably to those offered by most state or federally supported institutions in the United States and Canada.

A refund of \$250 will be credited towards the next semester if all Histology slides are returned in good condition. A \$5 per slide fee will be charged for any broken or missing slides.

Dormitory fees must be paid by the semester, upon arrival (not monthly). Dormitory fees are subject to change.



TUITION (effective September 1, 2011)	
M.D. Program Basic Sciences Tuition per Semester (semesters 1-5)	\$9,500.00
M.D. Program Clinical Medicine Tuition per Semester (semesters 6-10)	\$10,450.00
Pre-medical Program Tuition Per Semester	\$6,250.00
Part-Time Tuition per Credit Hour	\$325.00
FEES AND DEPOSITS (effective September 1, 2011)	
Application Fee (M.D. Program and Pre-Med Program)	\$75.00
Clinical Liability Insurance (per semester)	\$295.00
Deferment Fee (non-refundable)	\$500.00
Graduation Fee	\$375.00
Lab Fee (Nevis only)	\$195.00
Histology Slide Fee	\$350.00
Kaplan Review	\$500.00
Refund Credited Towards Next Semester for all Slides Returned in Good Condition (\$5 fee assessed for broken/missing slides)	\$250.00
Nonrefundable Administrative Fee	\$100.00
Returned Check Fee (insufficient funds)	\$35.00
Shelf Exam Fee (Nevis campus only)	\$125.00
Transcript Request Fee	\$10.00
Tuition Deposit (non-refundable)	\$250.00
Tuition Payment Late Fee	\$200.00
Bachelor of Health Science Application Fee	\$30
Bachelor of Health Science Degree Fee	\$350
DORMITORY FEES (effective September 1, 2011)	
Single Occupancy Room Fee	\$2,560.00
9% Tax	\$189.00
Security Deposit	\$250.00
TOTAL	\$2,999.00
Double Occupancy Room Fee	\$1,845.00
9% tax	\$130.50
Security Deposit	\$250.00
TOTAL	\$2,250.50

Note: Tuition and fees listed here are effective September 1, 2011. The MUA Board of Trustees reserves the right to change tuition and adjust fees or to establish additional fees or charges whenever, in their opinion, such action is deemed necessary.

TUITION PAYMENT POLICIES

Returning students attending MUA are responsible for payment of tuition and fees by U.S. personal check, certified bank check, or money order one month prior to matriculation. If payment is made by check, the cancelled check will serve as the student's receipt. If a student remits a check that is returned due to insufficient funds, he or she must make any future payments to MUA in the form of a U.S. certified bank check, or money order. A fee of US\$35 will be imposed for a personal check returned and not honored. Payment of all tuition and fees are due in full by the date specified on the student bill.

Students will be billed approximately two months prior to the beginning of each new semester. Invoices are mailed to the permanent address on record for registered students.

New incoming students must pay a US\$250 tuition deposit within thirty days of the date of the letter of acceptance. Tuition and fees (U.S. currency) are due in full 45 days prior to registration. Subsequent semesters are due 30 days prior to matriculation. Payments for a student's semester invoice should be directed to the Bursar's Office.

If an invoice is not received, it is the student's responsibility to contact the Finance Office. Students whose account has not been paid in full, or otherwise cleared by the finance office, will be subject to cancellation of class enrollment. All outstanding fees must be paid prior to graduation. MUA reserves the right to withhold all diplomas, degrees, official transcripts and any other documentation from any student with outstanding financial obligations. (Tuition and fees are subject to change without notice.)

Credit card payments are not accepted. Please mail your personal check, certified bank check, or money order made payable to:

Medical University of the Americas
c/o R3 Education Inc.
One Jackson Place
27 Jackson Road, Suite 302
Devens, Massachusetts 01434
United States of America

TUITION REFUND

Tuition and fees shall be refunded in full—less an administrative fee of US\$100 and, if applicable, the US\$250 seat deposit and the US\$500 deferment fee—if notice of withdrawal is received prior to the first day of class.

Before any refund can be initiated, a withdrawal form must be completed and submitted to the Dean of Basic Sciences.

Tuition and fees will be refunded according to the following schedule:

Prior to the first class day:100%
During the first 5 class day period:93%
During the second 5 class day period:87%
During the third 5 class day period:80%
After the third 5 class day period:No refund

All refunds will be made within 30 days of the withdrawal date.

No fee or tuition paid by or owed by a student for the semester in which the student is separated from the university for disciplinary reasons shall be refunded or forgiven. If the student is readmitted before the close of the semester in which the disciplinary action is imposed, no additional tuition or fees shall be required of the student during that semester.

A refund will be granted if Histology/Pathology slides are returned in good condition. Students will be charged a replacement fee for slides lost or stolen.

LATE FEES

Students will be assessed a late fee of US\$200 for tuition not paid on or before the tuition due date. Students whose tuition has not been received prior to the start of the semester will not be permitted to attend class.



DEFERMENT FEE

A US\$500 nonrefundable fee is assessed when a student requests and is granted postponement of matriculation. This fee is credited to the first semester's tuition along with the initial tuition deposit.

FOREIGN CHECK POLICY

MUA does not accept checks that must be processed through the Foreign Draft and Check Collection Department of our financial institution. Monies submitted from foreign accounts must indicate an affiliation with a U.S. banking institution on the face of the check, and be remitted in U.S. funds. Checks received from foreign accounts that do not indicate both requirements will be returned. International money orders remitted in U.S. dollars are an acceptable form of payment.

FINANCIAL AID INFORMATION

In order to be eligible for financial aid, students must be accepted to the M.D. program and enrolled half-time or better. Financial aid forms and loan web sites are included in the student's acceptance packet. The Financial Aid Office will only certify a loan once the US\$250 tuition deposit has been paid. Applications can be submitted no earlier than 60 days prior to the start of classes. To speak to a representative regarding loans, contact the stateside Finance Office.

ED-INVEST

Ed-Invest offers private, credit-based student loans for eligible MUA students who are U.S. citizens or permanent residents. The interest rates and fees on this loan are tiered according to you and your cosigner's credit history and credit scores. For more information, students can go to <http://www.ed-invest.com/fmed.html>.

For information regarding financial aid, call (978) 862-9500, press 3 for Finance.

CANADIAN STUDENT LOANS

Canadian students are eligible for federal loans through the Ministry of Education Student Support Branch in their province of residence. Students may apply for up to 52 weeks of financial assistance annually. Work directly with your individual province for information regarding requirements. The Medical University of the Americas school code for applying is ZUBX.



LIVING ON NEVIS

NEVIS FACTS AT A GLANCE

Name:	Nevis, West Indies
Capital:	Charlestown
Size/Population:	36 square miles; 12,000 residents
Location:	Approximately 600 miles from Miami; 1,200 miles from New York City; under one hour by air from Puerto Rico, St. Maarten, Antigua, and the U.S. Virgin Islands.
Weather:	Sunny all year. Temperatures average 78° Fahrenheit (25° C). No rainy season but short, heavy showers are common August to February.
Language:	English
Government:	The twin-island federation of St. Christopher (St. Kitts)-Nevis gained its independence from England in 1983 but still remains a member of the Commonwealth.
Currency:	The U.S. dollar (US\$) and Eastern Caribbean dollar (ECD) are both accepted forms of currency. The ECD is tied to the U.S. dollar at approximately EC\$2.67 to \$1.00 USD.
Electricity:	220V at 60 cycles (most hotels supply 110V).
Cars/Taxi:	Driving on the left. Those who wish to drive must obtain a temporary driving license. Taxis are readily available at Newcastle Airport in Charlestown.
Getting to Nevis:	Newcastle Airport on Nevis is a modern, air-conditioned facility that easily accommodates connecting flights from San Juan, Antigua, St. Maarten and St. Kitts. Airlines with connecting flights to Nevis are American Airlines, Continental, Liat, Cape Air, and US Airways. From Europe, connecting flights include Air France, BWIA, KLM, British Airways, and Lufthansa. Travelers going through St. Kitts have the option of taking a short ferry ride to Nevis.
Customs/Immigration:	Passports are required of all visitors.
Dress:	Casual dress is the norm; but no bathing suits on streets. There are strong laws against public indecency.
Post Office:	8:00 AM-3:30 PM, except Thursdays and Saturdays when they close at noon.

AIRLINES SERVING ST. KITTS-NEVIS

The Newcastle Airport on Nevis is a modern air-conditioned facility with an extended runway that easily accommodates private jets and flights from various islands. Several airlines provide direct flights from to the Caribbean. Students from the U.S.

and Canada typically fly to either St. Maarten, San Juan, Puerto Rico, or Antigua on Continental, American Airlines, Delta or US Airways. Connecting flights to Nevis include Windward Island Airlines (Winair) from St. Maarten, and LIAT or Cape Air from Antigua and San Juan. From Europe, connecting flights include Air France, British Airways, KLM, and Lufthansa.

LANGUAGE AND CURRENCY

English is the first language on Nevis. The U.S. dollar and Eastern Caribbean dollar are both accepted forms of currency. The Eastern Caribbean dollar (ECD) is tied to the U.S. dollar at approximately EC\$2.67 per \$1.00 USD.

HOSPITAL

Alexandra Hospital is a 50-bed multicare facility with a team of full-time physicians, surgeons and trained nurses. The hospital serves a population of 12,000, providing a wide range of services including Internal Medicine, Family Medicine, Obstetrics and Gynecology, and Surgery.

DRIVING AND PUBLIC TRANSPORTATION

Driving is on the left side of the road in St. Kitts and Nevis. In order to operate any vehicle on the island, it is necessary to obtain a temporary local driver's license. Students can obtain a temporary St. Kitts and Nevis driver's license from the Traffic Department at either the Charlestown or Newcastle police stations. The fees are \$48 USD for one year or \$24 USD for three months. Students must provide a valid driver's license and passport. In addition to good public transportation, there are approximately 15 car rental agencies on Nevis.

UTILITIES

Drinking water is pure and comes directly from mountain reservoirs. Electricity may be either 110V or 220V depending upon the facility, although most hotels and rentals have the standard North American 110V.

ACCOMMODATIONS

Nevis has many fine restaurants and hotels, including the five-star Four Seasons Resort and Golf Course.

IMMIGRATION REQUIREMENTS

Passports are required of all visitors.

COMMUNICATIONS

Cable & Wireless, Ltd. provides Nevis with fully digitized, international direct dialing, credit card calling, Internet, beeper and fax services. Caribbean Cable provides cable television, as well as cable-based Internet access.

Telephones: Many homes and apartments include telephones. For installation, a security deposit of EC\$1,000 is generally required for non-nationals. Installation takes a maximum of 13 working days.



Mobile phones: Mobile phones on Nevis use the GSM system. Many mobile companies provide discounted rates to MUA students.

VoIP: Many students choose to make international telephone calls with their computer using a VoIP service such as Vonage® or Packet-8®. These units, in general, have to be purchased abroad. In addition, Web-based calls can be made using services such as www.icconnecthere.com or www.crystalvoice.com. These services require a “computer-style” headset, with separate plugs for microphone and speakers. This equipment is not readily available on Nevis. It is recommended that students bring this equipment from home.

SHIPPING

There are regular freight services to St. Kitts and Nevis from the U.S. and Europe. Most ocean freight is now fully containerized. The deep-water harbor can easily accommodate the largest vessels.

BANKING

Bank of Nova Scotia
Main Street, Charlestown
869-469-5411

Bank of Nevis
Main Street, Charlestown
869-469-5564/5796

Banking hours are Monday-Thursday 8 AM-2 PM, Friday 8 AM-4 PM. There are ATM machines located in the town of Charlestown and one at the Newcastle Airport. Money is dispensed in EC dollars.

The Eastern Caribbean dollar (ECD) is the official currency. It is tied to the U.S. dollar at approximately EC\$2.67 per \$1 USD, though the exchange rates may vary 1%-2%.

The U.S. dollar, travelers checks, bank drafts (cashier’s checks), VISA,

MasterCard, and American Express are accepted everywhere on Nevis. Students may have funds wire transferred directly to the banks on Nevis. Note: it takes approximately 30 days for checks to clear.

Students planning to open a checking or savings account generally should have:

1. Two photo IDs.
2. Minimum of EC\$100.
3. Letter from MUA stating that they are current students.
4. Reference letter from their current or previous bank might be required for some banks.

PETS

Nevis is considered a rabies-free island. Therefore, there are many rules and regulations pertaining to pets on Nevis. All dogs and cats brought onto Nevis from countries that have rabies, including the U.S. and Canada, are subject to a six-month detention and isolation (quarantine). An alternative 30-day home confinement may be arranged provided that certain prearrival conditions have been met and all import permits have been acquired. If you would like further information about the necessary means to bring a pet onto Nevis, please contact the campus Administrative Office (869-469-9177).

SCHOOLS

There are numerous schools on Nevis for children of MUA students, faculty and staff at the preschool, primary and secondary/high school levels.

CHURCHES

There are churches on Nevis for a wide range of denominations including Anglican, Baptist, Catholic, Church of God, Methodist and Seventh Day Adventist.

ADMINISTRATION



Gordon Green, M.D., F.R.C.P. (C), F.A.A.P.
Executive Dean
M.D., University of British Columbia
B.B.A., Simon Fraser University
B.Sc., (Hons.) Queens University
Residency, Pediatrics/Academic Teaching Fellowship, UBC



Hugh K. Duckworth, M.D.
Associate Dean, Basic Sciences
M.D., University of Tennessee, Memphis, TN
B.S., Zoology/Microbiology, Memphis State University,
Memphis, TN
Postgraduate Clinical Training: Methodist Hospital,
Memphis, TN (General Surgery)



Linda H. Perangelo, M.D., F.A.A.P., F.A.A.A.A.I.
Associate Dean, Clinical Medicine
M.D., Duke University, Durham, NC
Residency, Pediatrics, Harbor-UCLA Medical Center, Torrance, CA
Fellowship, Allergy and Clinical Immunology, Nassau
University Medical Center, East Meadow, NY



Samir Anadkat, M.B.B.S., M.S.
Assistant Dean, Basic Sciences
M.B.B.S., Baroda Medical College of M.S., India
M.S., Anatomy, University of Baroda, India
Residency (Master of Surgery in Anatomy), Baroda Medical
College and SSG Hospital, Maharaja Sayajirao
University of Vadodara, India



Robert Mankoff, Ph.D.
Assistant Dean, Students
Ph.D., Clinical Psychology, Georgia State University, Atlanta, GA
M.A., Clinical Psychology, Georgia State University, Atlanta, GA
B.A., Linguistics, Psychology & English, Wesleyan University,
Middletown, CT
Fellowship in Clinical Child Psychology, The Menninger Clinic,
Houston, TX



Elizabeth Martineau
Director of Admissions
B.S. Psychology, Fitchburg State College, MA



Amy LeCain
Registrar
B.S., (Psychology), Minor in Biology, Fitchburg State College, MA

FACULTY



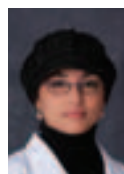
Renu Agnihotri, M.B.B.S., M.D.
Associate Professor, Biochemistry
M.D., Clinical Biochemistry, Kasturba Medical College and
Shirdi Sai Baba Cancer Hospital, India
M.B.B.S., L.L.R.M. Medical College, India
Postdoctoral Research: Institute of Molecular Medicine,
MMCRI, Scarborough ME



Sarah Butcher, M.B.B.S.
Associate Professor, Foundations of Clinical Medicine
M.B.B.S., St. Bartholomew's Medical School, London, UK
Postgraduate Clinical Training: Family Medicine,
Brighton/Worthing UK



Samir Anadkat, M.B.B.S., M.S.
Professor, Anatomy
M.B.B.S., Baroda Medical College of M.S., India
M.S., Anatomy, University of Baroda, India
Residency (Master of Surgery in Anatomy), Baroda Medical
College and SSG Hospital, Maharaja Sayajirao University
of Vadodara, India



Alia Cadinouche, Ph.D.
**Associate Professor, Cell & Molecular Biology;
Medical Microbiology and Immunology**
Ph.D., University of Toronto, Canada
M.Sc., University of Toronto, Canada
B.Sc. (Hons), Medical and Health Sciences,
University of Toronto, Canada
PostDoctorate: University of Toronto, Toronto, Canada



Vikrant Chitnis, Ph.D.
Associate Professor, Microbiology
 Ph.D., Choithram Hospital and Research Center
 under DAVV University, India
 M.Sc., University of Mumbai, India



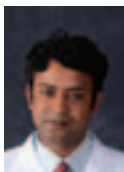
Sandeep Kacker, M.B.B.S., M.D.
Associate Professor Pharmacology
 M.B.B.S., M L B Medical College, Jhansi, UP
 M.D., Pharmacology, L. L. R. M. Medical College, Meerut, UP
 Post Graduate Training: Pharmacology, L. L. R. M. Medical
 College, C C S University, Meerut, UP



Asim Das, M.B.B.S., M.D.
Professor Physiology
 M.B.B.S., J.L.N. Medical College, Ajmer, Rajasthan University
 M.D., M.P. Shah Government Medical College,
 Jamnagar, Saurashtra University
 Post Graduate Training: Residency, Physiology,
 Saurashtra University, Gujarat



Arvind Kashyap, Ph.D.
Professor Medical Microbiology
 Ph.D., Faculty of Medical Sciences, University of Delhi
 M.Sc., Saurashtra University, Gujarat
 Post Doc Training: Indian institute of Science, Bangalore,
 India; University of Manitoba; Mc Master University,
 Hamilton; University of Guelph



Sanjib Das, M.B.B.S., M.D.
Associate Professor, Pharmacology
 M.D., DAVV University, India
 M.B.B.S., RDVV University, India
 Postgraduate Training: Residency, Clinical Pharmacology and
 Therapeutics, M.G.M. Medical College & Hospital, India



Robert Mankoff, Ph.D.
**Associate Professor, Medical Psychology and
 Medical Ethics**
 Ph.D., Clinical Psychology, Georgia State University, Atlanta, GA
 M.A., Clinical Psychology, Georgia State University, Atlanta, GA
 B.A., Linguistics, Psychology & English, Wesleyan University,
 Middletown, CT
 Fellowship in Clinical Child Psychology, The Menninger Clinic,
 Topeka, KS



Atindra N. Datta, M.B.B.S.
Professor, Anatomy, Embryology, Histology
 M.B.B.S., Calcutta University, India
 M.S., Postgraduate training in Anatomy, Banaras Hindu
 University, India
 Residency, Anatomy, Banaras Hindu University, India



Snehal Mehta, M.B.B.S., M.D.
Assistant Professor Biochemistry
 M.B.B.S., Medical College and S.S.G. Hospital, Baroda
 M.D., Medical College and S.S.G. Hospital, Baroda
 Post Graduate Training: Department of Biochemistry and
 Clinical Chemistry, S.S.G. Hospital, Baroda
 Fellowship in Emergency Medical Services, under University
 of South Florida and Medical College, Baroda.



Mitesh Dave, M.B.B.S.
Associate Professor, Anatomy
 M.B.B.S., M.S. University, Baroda, India
 M.S., M.S. University, Baroda, India
 Postgraduate Training: Department of Anatomy, Medical
 College of Baroda, India.



Sabyasachi Moulik, Ph.D.
Associate Professor, Physiology
 Ph.D., Biomedical Sciences, Concentration: Physiology, James
 H. Quillen College of Medicine, East Tennessee State
 University, Johnson City, TN
 M.S., Biomedical Sciences, Concentration: Physiology, East
 Tennessee State University, Johnson City, TN
 M.Sc., Biophysics; B.Sc., Biophysics, Panjab University, India
 Postdoctoral Training: Diabetes Research, University of
 Manitoba, Winnipeg, Canada



Deborah Drake, M.D.
Assistant Professor, Foundations of Clinical Medicine
 M.D., Medical College of Virginia, Richmond, VA
 B.S., Chemistry, Virginia Commonwealth University,
 Richmond, VA
 Residency: University of South Florida, Tampa, FL



Judy Nisbett, M.B.B.S.
Assistant Professor, Foundations of Clinical Medicine
 M.B.B.S., University of the West Indies, Mona Campus, Jamaica
 B.Sc., Biology, University of the West Indies, Cave Hill
 Campus, Barbados



John Essien, M.D.
Assistant Professor, Clinical Diagnosis
 M.D., University of Medical Sciences, "Carlos J. Finlay", Cuba
 B.Sc., University of Lagos, Nigeria
 Residency Training: Manuel Ascunce Domenech, Eduardo
 Agramonte Piña and Ana Betancourt de Mora Provincial
 Teaching Hospitals, Cuba



Srinivasan Rangarajan, M.B.B.S., M.D.
Professor and Course Director, Pathology
 M.B.B.S., Karnatak Medical College, India
 M.D., St. John's Medical College, India
 Residency: St. John's Medical College, India



Don Richard Ishmael, M.D.
Associate Professor, Foundations of Clinical Medicine
 M.D., University of Oklahoma College of Medicine,
 Oklahoma City, OK
 B.A., Chemistry, Oklahoma City University, Oklahoma City, OK
 Fellowship, NIH, Oncology, University of Oklahoma Health
 Science Center, Oklahoma City, OK
 Residency, Internal Medicine, University of Oklahoma Health
 Science Center, Oklahoma City, OK



Pinkesh Rao, M.B.B.S., M.D.
Associate Professor, Physiology
 M.B.B.S., Government Medical College, M.S. University,
 Baroda, India.
 M.D., S.S.G. Hospital & Government Medical College,
 M.S., University, Baroda, India.
 Residency: Physiology, Medical College Baroda, India



Anshu Kacker, M.B.B.S.
Clinical Instructor Histology
 M.B.B.S., M L B Medical College, Jhansi, UP



Cardell B. Rawlins, M.D.
Consultant, Professor, Student Clinical Experience
 M.D., Mount Sinai School of Medicine, New York, NY
 Certificate; Minima Access Surgery Univ. of the West Indies,
 Cave Hill Campus, Barbados, W.I.
 B.S., City University of New York, NY
 Post Graduate Training: Residency and Chief Resident
 General Surgery, The New York Hospital; Resident and Chief
 Resident General Surgery, Flushing Hospital, Queens, NY



Raymonde Rohan-Moving, M.B.B.S.
Assistant Professor, Foundations of Clinical Medicine
 M.B.B.S., University of the West Indies, Mona Campus, Jamaica



Sanjoy Sanyal, M.B.B.S., M.S.
Associate Professor and Course Director, Neuroscience
 M.B.B.S., Jawaharlal Inst. PG Med. Ed. & Res. (JIPMER),
 University of Madras, India
 M.S. (Surgery), M.Sc., (Medical Informatics), ADPHA
 M.Sc., Royal College of Surgeons of Edinburgh, United Kingdom
 Senior Residency: JIPMER, Pondicherry and Safdarjang
 Hospital, India



Shilpika Saxena, M.B.B.S., M.D.
Assistant Professor, Biochemistry
 M.B.B.S., Government Medical College, University of
 Rajasthan, India
 M.D., Armed Forces Medical College, Pune University, India
 Residency: Armed Forces Medical College, Pune University,
 India



Vishal Saxena, M.B.B.S., M.D.
Assistant Professor, Pathology
 M.B.B.S., Government Medical College, University of
 Rajasthan, India
 M.D., Armed Forces Medical College, Pune University, India
 Residency: Armed Forces Medical College, Pune University,
 India
 Research: Antioxidant Vitamin Supplements as a Palliative
 Treatment In Bone Disorders, awarded Research
 Associateship by Indian Council Of Medical Research
 (ICMR), New Delhi, India



Ravi Shankar, M.B.B.S.
Assistant Professor, Foundations of Clinical Medicine
 M.B.B.S., Kamatak Medical College, India
 Residency: Department of Medicine and Surgery and
 Oncology, Curie Centre of Oncology, India



Mamata Srinivasan, M.B.B.S., M.S.
Professor, Histology & Cell Biology; Embryology
 M.B.B.S., Karnatak Medical College, India
 M.S., Anatomy, Jawaharlal Institute of Medical Education
 and Research, India
 Residency: Anatomical Sciences, JIPMER, India



Akshay Tikoo, Ph.D.
Professor, Biochemistry
 Ph.D., Biochemistry, Panjab University, India
 M.Sc., Biochemistry, Post Graduate Institute of Medical
 Education and Research, India
 B.Sc., University of Jammu, India
 Post-doctoral Fellow: Urology, Henry Ford Hospital and
 Health Sciences Centre, MI; Pediatrics, Medical University
 of South Carolina, SC

CLINICAL CHAIRS

Kersey L. Winfree, M.D.
Clinical Chair of Internal Medicine
 M.D., University of Oklahoma School of Medicine
 B.S., University of South Carolina

Brent Hemelt, M.D.
Clinical Chair of Obstetrics and Gynecology
 M.D., Louisiana State University School of Medicine
 B.S., Louisiana State University

Melissa Fox, M.D.
Clinical Chair of Pediatrics
 M.D., Marshall University

Anthony Frasca, M.D.
Clinical Chair of Psychiatry
 M.D., University of South Carolina

Michael Garcia, M.D.
Clinical Chair of Surgery
 M.D., Louisiana State University School of Medicine
 B.S., Louisiana State University

RESIDENCY PLACEMENTS

2011

Family Medicine

Case Western Reserve University School of Medicine,
Case Medical Center, Cleveland, OH
Clinton Memorial Hospital, Wilmington, OH
East Jefferson General Hospital, Metairie, LA
Ellis Hospital, Schenectady, NY
Emory University School of Medicine, Atlanta, GA
Flower Hospital, Sylvania, OH
Hennepin County Medical Center, Minneapolis, MN
Jamaica Hospital Medical Center, Jamaica, NY
La Grange Memorial Hospital, La Grange, IL
Louisiana State University, Shreveport, LA
Louisiana State University, Shreveport, LA
Medical College of Georgia, Augusta, GA
Medical College of Wisconsin Affiliated Hospitals,
Milwaukee, WI
Mercy Health Systems, Janesville, WI
Mercy Medical Center, Des Moines, IA
Michigan State University, Kalamazoo, MI
Michigan State University, Kalamazoo, MI
Mid-Hudson Family Health Institute, Kingston, NY
Mid-Michigan Medical Center, Midland, MI
Mount Carmel St. Ann's Hospital, Westerville, Ohio
Mount Sinai/St. Joseph's Hospital, Paterson, NJ
Queen's University, Kingston, ON (CAN)
Southern Illinois University, Carbondale, IL
St. Joseph's Medical Center/NYMC, Yonkers, NY
St. Joseph's Regional Medical Center, South Bend, IN
Underwood Memorial Hospital, Woodbury, NJ
Underwood Memorial Hospital, Woodbury, NJ
University at Buffalo School of Medicine, Buffalo, NY
University at Buffalo School of Medicine, Buffalo, NY
University of Arkansas Medical School/AHEC, Ft. Smith, AR
University of Manitoba, Winnipeg, MB (CAN)
University of Manitoba, Winnipeg, MB (CAN)
University of Oklahoma, Oklahoma City, OK
University of Oklahoma, Oklahoma City, OK
University of South Alabama Hospitals, Mobile, AL
University of Toronto, Toronto, ON (CAN)
Virtua Family Medicine, Medford, NJ

Internal Medicine

Carilion Clinic/Virginia Tech, Roanoke, VA
Carilion Clinic/Virginia Tech, Roanoke, VA
Carle Hospital Foundation, Urbana, IL
Cleveland Clinic Florida, Weston, FL
Danbury Hospital, Danbury, CT
East Tennessee State University, Johnson City, TN
Jersey Shore University Medical Center, Neptune, NJ
Leonard J. Chabert Medical Center, Houma, LA
Leonard J. Chabert Medical Center, Houma, LA
Leonard J. Chabert Medical Center, Houma, LA
Leonard J. Chabert Medical Center, Houma, LA
Louisiana State University, Shreveport, LA
Louisiana State University, Shreveport, LA
Lutheran Medical Center, Brooklyn, NY
Maricopa Medical Center, Phoenix, AZ
Maricopa Medical Center, Phoenix, AZ
Mount Sinai School of Medicine/Queens Hospital Center,
Queens, NY
Mountainside Hospital, Montclair, NJ
Norwalk Hospital, Norwalk, CT
Queen's University, Kingston, ON (CAN)
Roger Williams Medical Center, Providence, RI
St. Joseph's Regional Medical Center, Paterson, NJ
St. Mary's Hospital, Waterbury, CT
Staten Island University Hospital, Staten Island, NY
SUNY Health Science Center, Brooklyn, NY
UMDNJ - New Jersey Medical School, Newark, NJ
University at Buffalo School of Medicine, Buffalo, NY
University Medical Center, Lafayette, LA
University of Arizona/University Physician's Hospital, Tucson, AZ
University of Illinois College of Medicine, Chicago, IL
University of South Alabama Hospitals, Mobile, AL
West Suburban Medical Center, Oak Park, IL
West Virginia University School of Medicine, Morgantown, WV
Woodhull Hospital, Brooklyn, NY
York Hospital, York, PA

Medicine - Pediatrics

Hurley Medical Center, Flint, MI

Obstetrics and Gynecology

Louisiana State University, Shreveport, LA
Riverside Regional Medical Center, Newport News, VA

Pathology

University of Texas Medical Branch, Galveston, TX

Pediatrics

Akron Children's Hospital, Akron, OH

Marshfield Clinic/St. Joseph's Hospital, Marshfield, WI

Sinai Hospital, Baltimore, MD

Staten Island University Hospital, Staten Island, NY

University at Buffalo School of Medicine, Buffalo, NY

University of South Alabama Hospitals, Mobile, AL

William Beaumont Hospital, Detroit, MI

Psychiatry

Carilion Clinic, Roanoke, VA

Hennepin County Medical Center, Minneapolis, MN

Louisiana State University, Shreveport, LA

Maricopa Medical Center, Phoenix, AZ

Maricopa Medical Center, Phoenix, AZ

Memorial University of Newfoundland, St. John's, NL (CAN)

Richmond University Medical Center, Staten Island, NY

Seton Hall University, Elizabeth, NJ

University of Nevada Affiliated Hospitals, Las Vegas, NV

University of Ottawa, Ottawa, ON (CAN)

Surgery

North Shore - Long Island Jewish Health System,
New Hyde Park, NY

Ochsner Clinic Foundation, New Orleans, LA

Ochsner Clinic Foundation, New Orleans, LA

University of Maryland Medical Center, Baltimore, MD

University of Toronto, Toronto, ON (CAN)

Wake Forest Baptist Medical Center, Winston-Salem, NC

2010

Emergency Medicine

Case Western Reserve/University Hospitals Case Medical
Center, Cleveland, OH

Emergency Medicine/Family Medicine

University of Saskatchewan, Saskatoon, CAN

Family Medicine

Baylor College of Medicine, Houston, TX

Dartmouth Family Medicine, Concord, NH

Flower Hospital, Sylvania, OH

Floyd Medical Center, Rome, GA

Grand Rapids Medical Education, Grand Rapids, MI

Henry Ford Hospital, Detroit, MI

Loyola University Medical Center/Cook County-Loyola-
Provident, Chicago, IL

McLeod Regional Medical Center, Florence, SC

Research Medical Center, Kansas City, MO

Sacred Heart Hospital, Allentown, PA

Sacred Heart Hospital, Norristown, PA

St. Elizabeth Medical Center, Edgewood, KY

St. Joseph Mercy - Livingston, Howell, MI

Tallahassee Memorial Health Care, Tallahassee, FL

University of Arizona/UPHK, Tucson, AZ

University of Buffalo/Buffalo General Hospital, Buffalo, NY

University of Buffalo/Buffalo General Hospital, Buffalo, NY

University of Buffalo/Buffalo General Hospital, Buffalo, NY

University of Connecticut Health Center, Hartford, CT

University of Manitoba, Winnipeg, Manitoba, CAN

University of Oklahoma, Oklahoma City, OK

University of Pittsburgh / McKeesport, McKeesport, PA

University of Saskatchewan, Regina, Saskatchewan, CAN

University of Tennessee COM, Memphis, TN

University of Western Ontario, London, Ontario, CAN

West Jersey Health System, Camden, NJ

West Jersey Memorial Hospital at Virtua/UMDNJ,
Lumberton, NJ

Internal Medicine

Carilion Clinic, Roanoke, VA

Charleston Area Med Center/West Virginia University,
Charleston, WV

Grand Rapids Medical Education, Grand Rapids, MI

Health Alliance, Columbia, SC

Leonard J. Chabert Hospital, Houma, LA

Leonard J. Chabert Hospital, Houma, LA

Leonard J. Chabert Hospital, Houma, LA

Louisiana State University, Shreveport, LA

Medical College of Georgia, Augusta, GA

Methodist Hospital, Brooklyn, NY

Ochsner Clinic Foundation, New Orleans, LA

Ochsner Clinic Foundation, New Orleans, LA

Pinnacle Health Systems, Harrisburg, PA

Sinai Grace Hospital/Wayne State University, Detroit, MI

Southern Illinois University School of Medicine, Springfield, IL

Staten Island University Hospital, Staten Island, NY

Staten Island University Hospital, Staten Island, NY

Staten Island University Hospital, Staten Island, NY

University of Pittsburgh Medical Center - McKeesport,
McKeesport, PA

University of South Carolina School of Medicine - Palmetto

Virginia Commonwealth University Health System,
Richmond, VA

Neurology

Albert Einstein COM at The Northshore-Long Island Jewish
Healthcare System, Long Island, NY

Medical College of Georgia, Augusta, GA

Virginia Commonwealth University Health System,
Richmond, VA

Obstetrics and Gynecology

Aultman Hospital/NEOUCOM, Canton, OH
Richmond University Medical Center, Staten Island, NY
Wayne State University/Detroit Medical Center, Detroit, MI

Pediatrics

Akron Children's Hospital / NEOUCOM, Akron, OH
Cleveland Clinic Foundation, Cleveland, OH
Geisinger Medical Center, Danville, PA
SUNY HSC Brooklyn, Brooklyn, NY
University of Oklahoma COM, Oklahoma City, OK

Physical Medicine and Rehabilitation

Detroit Medical Center/Wayne State University, Detroit, MI
University of Manitoba, Winnipeg, Manitoba, CAN

Psychiatry

Griffin Memorial Hospital, Oklahoma City, OK
Loyola University Medical Center, Chicago, IL
Medical College of Wisconsin Affiliated Hospitals,
Milwaukee, WI
Morehouse School of Medicine/UNC, Atlanta, GA
Pitt County Memorial Hospital/Brody SOM, Greenville, NC

Transitional Year

Sinai Grace, Detroit, MI

2009

Anesthesia

University of Buffalo, Buffalo, NY
University of Wisconsin, Madison, WI

Emergency Medicine/Internal Medicine

Henry Ford Hospital, Detroit, MI

Family Medicine

Albert Einstein-Montefiore Medical Center, New York, NY
Central Washington Family Medicine, Yakima, WA
Florida Hospital Program, Orlando, FL
Floyd Medical Center, Rome, GA
Fort Wayne Medical Education Program Fort Wayne, IN
Medical College of Wisconsin, Milwaukee, WI
Michigan State Univ., Kalamazoo, MI
Mid Michigan Medical Center, Midland, MI
University of Manitoba, Winnipeg, Manitoba, CAN
UMDNJ/Hoboken University, Newark, NJ
University of Minnesota/St. Joseph's Hospital, St. Paul, MN
University of Newfoundland, St. John's, Newfoundland, CAN
University of Oklahoma, Oklahoma City, OK
University of Tennessee/St. Francis, Memphis, TN
University of Toronto, Toronto, Ontario, CAN

Internal Medicine

Carilion Clinic, Roanoke, VA
Detroit Medical Center/Sinai Grace Hospital, Detroit, MI
Drexel Univ./Hahnemann Hospital, Philadelphia, PA
Good Samaritan Hospital, Cincinnati, OH
Leonard J. Chabert, Houma, LA
Louisiana State University, New Orleans, LA
Louisiana State University, Shreveport, LA
Maricopa Medical Center, Phoenix, AZ
Nassau Medical Center, East Meadow, NY
Ochsner Clinic Foundation, New Orleans, LA
Ochsner Clinical Foundation, New Orleans, LA
Providence Hospital, Southfield, MI
St. Lukes Medical Center, Bethlehem, PA
Staten Island University Hospital, Staten Island, NY
University of Oklahoma, Tulsa, Oklahoma

Medicine/Pediatrics

Louisiana State University, New Orleans, LA
St. Francis Medical Center/Univ. of Illinois, Peoria, IL
University of Oklahoma, Oklahoma City, OK

Medicine/Psychiatry

Pitt County Memorial Hospital/Brody School of Medicine,
Greenville, NC

Neurology

Albert Einstein/Beth Israel Medical Center, New York, NY

Obstetrics and Gynecology

Providence Hospital, Southfield, MI

Pathology

Louisiana State University, New Orleans, LA

Pediatrics

Medical College of Georgia, Augusta, GA
Queens University, Kingston, Ontario, CAN
St. Francis Medical Center/Univ. of Illinois, Peoria, IL
SUNY Downstate Medical Center, Brooklyn, NY

Psychiatry

Duke University Hospital, Durham, NC
Memorial University, St. John's, Newfoundland, CAN
Ochsner Clinic Foundation, New Orleans, LA
University of Louisville, Louisville, KY

Radiology

St. Vincent's Hospital, Bridgeport, CT

Surgery

Fairview Clinic, Cleveland OH
Jewish Hospital, Cincinnati, OH
Louisiana State University, Shreveport, LA
Ochsner Clinic Foundation, New Orleans, LA



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