

University of Medicine and Health Sciences

ST. KITTS



EDUCATING THE NEXT
GENERATION OF PHYSICIANS

UMHS



UNIVERSITY OF MEDICINE AND HEALTH SCIENCES

REGIONAL OFFICES

North American Administrative Office

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All content in the UMHS catalog is subject to change at any time. This includes, but is not limited to, tuition and fees, admissions, curriculum, clinical rotation locations, and requirements to graduate. Any changes are applicable from the time of the change to prospective and enrolled students. Date of catalog issue: January 2012.

The University of Medicine and Health Sciences admits students without regard to race, color, national origin, gender, religion, disability, or age to all rights, privileges, programs, and activities generally made available to students at the University. It does not discriminate on the basis of race, color, national origin, gender, religion, disability, or age in administration of its educational programs and other University administered policies.

For further information about the University of Medicine and Health Sciences visit our website at: www.umhs-sk.org

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UMHS





OUR MISSION

The UMHS mission is to educate and nurture a new generation of physicians prepared to meet 21st century health care delivery in a rapidly changing world.

FOREWORD

This catalog has been authorized and approved by the President and Dean of the University of Medicine and Health Sciences. In this catalog are descriptions of the UMHS educational program and facilities. It is the expectation of UMHS that students will be familiar with the policies and procedures of the University as described in this catalog and in the UMHS Student Handbook.

The University of Medicine and Health Sciences reserves the right to modify or change the curriculum, tuition, or fees of any sort, without prior notice. UMHS also reserves the right to modify or change examination and semester schedules, without prior notice. Each student has responsibility for complying with degree requirements that are in effect at the time of their enrollment and attendance.



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UNIVERSITY QUICK VIEW

YEAR FOUNDED: · 2007

INAUGURAL CLASS: · May 2008

LOCATIONS: · Basic Science: St. Kitts
· 5th Semester: Portland, Maine
· Clinical Clerkships: At affiliated hospitals throughout the U.S.

ENROLLMENT: · Inaugural class of 22 students.
· Anticipated trimester enrollment 100–150 students

COURSE OF STUDY: · Basic Science Program
· 5th Semester includes Introduction to Clinical Medicine and Biological Basis of Clinical Medicine
· Clinical Science Program

TO GRADUATE: · Successful completion of all Basic Science and Clinical Science Programs
· Good academic standing
· Minimum cumulative GPA of 2.0
· Good financial standing
· Pass USMLE Step 1
· Pass USMLE Step 2 (CK and CS)

DEGREE CONFERRED: · Doctor of Medicine (M.D.)

FIRST GRADUATION CLASS: · June 2011
· 100% of students obtained U.S. residency positions

RESIDENCIES: · First class of students entered residencies in July 2011

FINANCIAL AID: · Institutional loans and Scholarships

TO APPLY: · Apply online at <http://www.umhs-sk.org>





ABOUT UMHS

ACCREDITATION STATUS

The University of Medicine and Health Sciences understands the importance of having its program accredited so that our students may sit for the United States Medical Licensing Examinations (USMLE) and apply for certification from the Educational Commission for Foreign Medical Graduates (ECFMG). This certification is required for an international medical school graduate to obtain a residency and license to practice medicine in the United States.

An important first step is to be accredited in the country where the school is located. UMHS was granted provisional accreditation by the St. Christopher and Nevis Accreditation Board, an arm of the Ministry of Education, on January 1, 2008 and again in September 2010. UMHS will be seeking full accreditation in 2011.

The next step is for UMHS to be listed in the International Medical Education Directory (IMED) of the Foundation for the Advancement of International Medical Education and Research (FAIMER). UMHS received this listing June 2008.

As a result of the IMED listing and our accreditation, students at UMHS are eligible to sit for the United States Medical Licensing Examination. Graduates that have successfully passed Step 1 and Step 2 CK and CS of the USMLE are eligible for ECFMG certification, which is required to obtain a residency in the United States. The USMLE Step 3 is taken after graduation. Our first graduating class occurred in June 2011. 100% obtained residencies.

To be eligible for licensure, graduates must have successfully passed all three steps of the USMLE and satisfied the requirements specific to each U.S. state.

Since licensure requirements vary by state, we urge all students to contact their licensure board(s) for further details.

In August 2007, the World Health Organization (WHO) and the University of Copenhagen signed an agreement, which gives the University responsibility for the development and administration of new global directories for the academic health professions with the assistance of the World Federation for Medical Education (WFME), which has a long-standing collaboration with WHO. WHO will continue its involvement together with other partners.

The University of Copenhagen has provided the data of the World Directory of Medical Schools since August 2008, via the Internet, in a website called the Avicenna. The University of Medicine and Health Sciences listing can be found under the country of St. Kitts/Nevis.

UMHS is a paradise
for living and learning.



CREDENTIALLED FACULTY

The University of Medicine and Health Sciences has brought together a team of extraordinary educators, who have extensive backgrounds in medical education, research, and administration. Faculty members were selected because of their unique set of academic medicine capabilities. Team members range from educators, who transitioned from private practice to academic medicine, to members who have spent their entire careers focused on providing the finest instruction to medical students.

UMHS also has an extensive visiting professor program. Each semester we invite a significant number of visiting lecturers from prestigious medical schools in the United States and Canada. The unified goal of all faculty members is to provide the highest quality education to each and every UMHS student.

INSTRUCTIONAL SITE LOCATIONS

St. Kitts Campus: Students complete their Basic Science Program at the UMHS campus in St. Kitts. The faculty at the St. Kitts campus is highly credentialed and

recruited primarily from the United States. They are intently focused on the success of each student. Teaching modalities range from classic lecture to learning in small group settings.

A compelling differentiator at UMHS is the access students have to a variety of clinical settings. UMHS offers its students a virtual hospital ward on the St. Kitts campus. This is a 24-bed hospital ward setting equipped with the latest in simulation. Utilizing human-computer simulators, students have a platform to discuss medical issues in small teams, learn physical diagnosis, and develop clinical skills in a safe and standardized environment. Simulation integrates clinically relevant material into the Basic Science Program.

In addition to the virtual hospital, UMHS students have access to community health centers, local hospitals, and professional patients.

Semester 5, Portland, Maine: Clinical students transition to scenic Portland, Maine in the United States for their fifth semester. UMHS has developed a

modern teaching facility that contains a state of the art classroom, skills laboratory, study area with computer connectivity, examination rooms, student lounge, and faculty offices. Students also have access to a large medical library and learning resource center in the Portland area. Our facility is strategically located within close proximity to several teaching hospitals, clinics, and housing.

The fifth semester consists of two required courses that include a USMLE review component. The USMLE review provides additional support to ensure students have every opportunity to pass USMLE Step 1 with competitive scores. Students must pass USMLE Step 1 to progress to the sixth semester.

Clinical Rotation Settings: The Clinical Science Program, semesters 5-10, occurs in the United States. UMHS has affiliations with a number of teaching hospitals in New York, Ohio, Connecticut, Georgia, Illinois, Michigan, Maryland, Wisconsin, and Puerto Rico. Negotiations are ongoing with additional teaching hospitals throughout the United States.





CAMPUS VISITS

Prospective students and their families are welcome to visit the University of Medicine and Health Sciences St. Kitts campus. Campus visits are by appointment and should be scheduled through the Office of Admissions. All travel, food, and lodging costs for such a visit are the responsibility of prospective students and their families. The University, however, does offer financial incentives for students who want to visit our St. Kitts campus in advance of attending. Prospective students interested in this incentive program should contact the Office of Admissions for further details.

TECHNOLOGY-BASED CAMPUS

UMHS operates one of the newest and most technologically advanced campuses. The campus facilities incorporate technology on the cutting edge of health care instruction. The wireless and fully networked campus is the cornerstone of a modern medical school campus. It allows students to access educational software, faculty presentations, and online databases from virtually every location on campus. Utilization of educational software and auto-tutorial learning is emphasized throughout the learning process and is incorporated into the academic program.

UMHS FACILITIES:

Auditorium: The innovative 210-seat auditorium is equipped with the latest audio-visual tools. The faculty can present critically visual information in a variety of ways, including using LCD projectors and an ELMO® presenter. The auditorium is equipped with plasma screen monitors throughout for easy viewing. Students are required to bring their laptop computers to class, where they have the option to connect through the University's wireless environment or through a desktop port.

Historically, medical schools utilize microscopes to teach histology. Today, most U.S. medical schools have contracted with Bachus to access an enormous database of digitized histological and pathological slides. Bachus allows students to view these slides in a computer environment where they can manipulate the cell structure, zoom in and out, and measure the specific cell. UMHS has incorporated this approach into a course offering and has developed an extensive histological database. The digitized images and data are accessible online seven days a week, 24-hours a day, anywhere on campus or from a student's apartment.

Multi-Purpose Laboratories: Two modern 100-seat multi-purpose laboratories house cutting edge technology, including audio-visual equipment, high definition LCD monitors, ELMO® presenters, computers for Microsoft Office PowerPoint® presentations, and projection microscopes. The projection microscopes enable faculty to present visually relevant microscopic and pathological images for viewing on monitors located throughout the laboratories. One of the laboratories is equipped with a significant collection of anatomical models for student use. Both laboratories operate in a wireless environment.

Anatomy and Neuroanatomy

Laboratories: UMHS has an 11,000 square-foot state of the art anatomy building that contains both a neuro and gross laboratory. The gross laboratory is furnished with approximately 20 dissection tables where students have a 6:1 cadaver ratio. A prosected cadaver is utilized for demonstration purposes and is viewed over high definition LCD monitors that are stationed at the end of each student's cadaver work table. Faculty members utilize these monitors to provide PowerPoint® and ELMO® presentations. Power poles are also placed at the end of each cadaver table for students who want to bring their laptop/tablet computers to connect to our database of anatomical images.

Human Simulation Laboratories: UMHS is a leader in the use of human simulation models. Human-computer simulation is an advanced capability that allows students to integrate clinical capabilities with basic science principles. Faculty members provide simulations that challenge and test students' clinical and decision-making skills. Students work in the Human Simulation Laboratories primarily in Physiology and Introduction to Clinical Medicine I.

The UMHS Human Simulation Laboratories are designed with the functionality and appearance of a hospital ward or clinic. UMHS recently added iStan® to the Human Simulation Laboratories. iStan® is the most advanced, realistic, wireless human simulator available today. It has the capability of providing jugular vein distention, bilateral chest movement, real breath, heart, and bowel sounds, and articulated motion.

Classrooms: There are smaller classrooms and break-out rooms throughout the campus designed to offer students a more intimate and personalized educational experience. These classrooms are used for small group instruction, seminars, group study, and problem-based learning sessions. The small setting allows closer interaction between faculty members and students.

Library and Learning Resource Center: The Anne Ross Library and Learning Resource Center (LRC) is designed to provide students with an atmosphere

conducive to learning. The library houses an impressive collection of multimedia, books, and journals in both hard copy and electronic formats. In addition, the library collection includes informational resources pertaining to the general arts and sciences curriculum. The library has break-out study rooms equipped with computers and audio-visual equipment for a variety of viewing and listening needs.

All desks in the Anne Ross Library are laptop ready. The LRC also houses more than 60 computers for students to access various educational programs, software, student email, the web, and online databases. The librarian and LRC staff are available to assist students with research, information retrieval, and technology-based questions.

Campus Bookstore and Café: The bookstore provides students with required and recommended course textbooks, study guides, diagnostic and surgical tools, as well as other essential items. The café is open throughout the day for meals, snacks, and refreshments.

TECHNOLOGY SUPPORT

UMHS utilizes an advanced computer and communications network and supports the latest in technology-based teaching aids. The Information and Technology Services Department (ITS) manages these capabilities and provides end-user support to students and faculty.

The ITS Department is comprised of professionally trained, experienced, and dedicated staff members who are focused on providing responsive support. This team supports the University hardware, software, peripherals, shared database systems, and multimedia equipment. The ITS Department provides students with a UMHS email account.

DISABILITY ACCOMMODATIONS

UMHS attempts to provide reasonable accommodations to students with disabilities. The University strives to enable students with disabilities to assist themselves in achieving their educational goals and enhancing their leadership development through participation in the facets of campus life.

Students with disabilities may be required to provide documentation of the disability. The cost of assessment and documentation is the student's responsibility. The University works with students with disabilities to identify and assess needs, provides direct services, and refers students to appropriate resources both on and off the campus. Assessment services may not be available in St. Kitts and may need to be procured in the United States or Canada.





ABOUT ST. KITTS

St. Kitts and her sister island, Nevis, compose the Federation of St. Christopher and Nevis. St. Kitts has become the commonly used name for St. Christopher, and the people of St. Kitts are called Kittitians. English is the primary language, although Kittitians often speak a dialect called Patois.

The Federation of St. Christopher and Nevis is a member of the British Commonwealth of Nations. The British monarch is recognized as the head of state. The country became autonomous in 1967 and is led by a prime minister. The capital of St. Kitts is Basseterre.

The economy of St. Kitts traditionally was focused on sugar cane production. In recent years, tourism, export-oriented manufacturing, education, and offshore banking have become the primary businesses. St. Kitts offers many

Western-style amenities, including resort hotels, excellent restaurants, taxi services, stores for shopping and groceries, and houses of worship for a variety of religious beliefs.

Time: The time observed is Atlantic Standard Time, which is 4 hours behind Greenwich Mean Time. Daylight Savings Time is not observed.

Electricity: The electricity in St. Kitts is 220 volts/60 cycles. American electricity is 110 volts/60 cycles. While many apartments use 110 volts, students may need converters for use with American appliances in off-campus apartments. Students should contact the Housing Department prior to arriving in St. Kitts to verify the voltage of their apartment. Electricity on the UMHS campus is 110 volts/60 cycles.

Supermarkets: St. Kitts has supermarkets that are similar to smaller markets in the U.S. or Canada. There is a farmers market open most Saturdays in Basseterre. There is a fish market that has fresh catch daily...cleaned and on ice in a modern building on the Bay Road in Basseterre.

Local Travel: Road conditions in St. Kitts are significantly different than those in the U.S. or Canada. Traffic in St. Kitts is on the left side of the road. While roads are well paved, they may be narrow and poorly marked. Drivers often stop on the road to visit with other drivers, blocking at least one lane of traffic. When a driver honks a car horn, it is a common form of greeting, not a warning.

Students who choose to rent or own their own car must obtain a visitor's driver's license. This may be obtained from the



Prime Minister Denzil L. Douglas

traffic department, the fire station, or at the airport. To obtain a St. Kitts license, students must already have a valid driver's license from their home country and/or state.

Public transportation consists of mini-buses and taxis. The University does provide transportation for students that live beyond walking distance of campus. Because of the road conditions, the use of a motorcycle and/or bicycle is not recommended.

Currency: The currency of St. Kitts is the Eastern Caribbean (EC) dollar. The official rate has remained steady at approximately \$2.7 EC dollars to one U.S. dollar. Most businesses accept U.S. currency; however, change will be given in EC dollars and the exchange rate may be slightly different.

Banking: Bank branches are easily found in Basseterre, the capital of St. Kitts. Banks are open Monday through Thursday from 8 am-2 pm and Friday 8:00 am-4:00 pm. Each bank provides 24-hour ATM services, and cash distributed by ATM is in EC dollars. The UMHS ATM is affiliated with the Royal Bank of Canada.

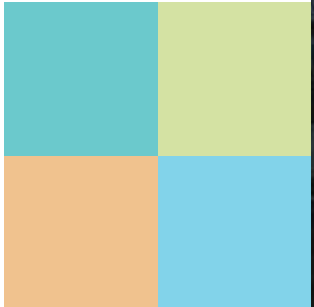
Banks include:

- Bank of Nova Scotia
- First Caribbean International Bank
- Royal Bank of Canada
- St. Kitts-Nevis-Anguilla
- National Bank Ltd.

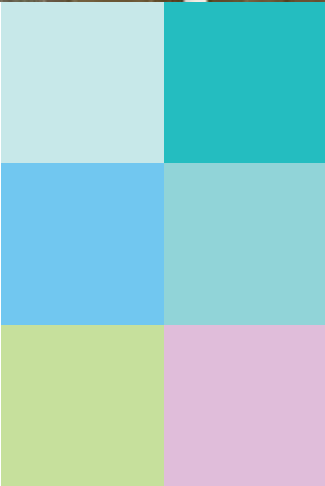
Employment Opportunities: The Government of St. Kitts imposes restrictions regarding who can work on the island. It is likely that family and/or friends will not be able to gain employment while on the island.

Bringing Your Family: To enter St. Kitts, family members or friends must have a valid passport and travel documents. Those who are planning to stay more than 30 days will need a resident visa, which is typically extended only to spouses and children.

The University of Medicine and Health Sciences does not offer schooling for the children of faculty, staff, or students. A list of private schooling options, both elementary and secondary, and their availability is maintained by the University. A small number of the schools in St. Kitts provide a Western style of education.



MORE THAN
JUST A MEDICAL SCHOOL
EDUCATION,
UMHS GIVES STUDENTS
A WORLD-CLASS
EXPERIENCE IN THE
UNIQUE ISLAND NATION
OF ST. KITTS.



PRESIDENT'S MESSAGE

WARREN ROSS, J.D.
President

University of Medicine and Health Sciences



It gives me great pleasure to welcome you to the University of Medicine and Health Sciences. At UMHS, we are dedicated to your success, where students come first!

Our vision is to have a boutique medical school for students that deserve and demand a quality education in a small school environment.

Our faculty is highly credentialed and recruited primarily from the United States. They love to teach and dedicate virtually 100% of their time to students.

The Basic Science Program, semesters 1-4, is located at our state of the art campus on the beautiful Caribbean Island of St. Kitts. Our traditional medical school curriculum compares with most U.S. medical schools. Students are tested in block format throughout the semester. Shelf examinations, which simulate mini USMLE-style examinations, are also integrated into the academic program. Students have access to a variety of clinical settings including community health centers, local hospitals, skills laboratories, and professional patients.

We invested more than \$50 million dollars to develop one of the most modern campuses in the Caribbean that can compare, or even exceed, that of most U.S. medical schools. Our wireless

campus includes an 11,000 square-foot state of the art anatomy building, a 24-bed virtual hospital environment with more than 20 computerized human simulators, multiple classrooms and laboratories, an auditorium, and a large library and learning resource center with over 60 computers for student use. All of our classrooms and laboratories are equipped with the latest in audio-visual equipment to enhance the quality of education.

The trend in the United States is to teach histology utilizing a database of digitized slides that correlates directly to a specially designed laboratory manual. At UMHS we have embraced this new technology. Students utilize the Bachus database of histological images that can be accessed and utilized in class, in the library/learning resource center, as well as at home through a web browser.

Our anatomy lab is equipped with cutting edge technology and is a model for U.S. schools to follow. We urge you to view the Campus section of our website for more details on all of our facilities.

The Clinical Program, consisting of semesters 5-10, is completed at major teaching hospitals in the United States. The fifth semester, which includes a clinical correlations and board review

component, is held at our Portland, Maine campus. In semester 5, our students have an opportunity to work one on one with a large number of highly qualified and credentialed physician preceptors. Students are prepared throughout the Basic Science Program as well as the fifth semester for USMLE Step 1.

We are proud to announce that we just had our first graduating class in June 2011. 100% of our graduates obtained a residency program in the United States.

If you are considering medical school, I would like to invite you to attend one of our information sessions to learn more about the benefits of attending UMHS. If you are in the New York area, please feel free to stop by our office and meet our admissions staff.

As a hands-on president, I am always interested in meeting new students. Feel free to come in and say hello.

Sincerely yours,

A handwritten signature in dark ink that reads "Warren Ross". The signature is written in a cursive, slightly slanted style.

Warren Ross
President
University of Medicine and Health Sciences

OUR FOUNDER—DR. ROBERT ROSS A LEGACY OF EXCELLENCE IN MEDICAL EDUCATION



DR. ROBERT ROSS (1917–2011)
Founder
University of Medicine and Health Sciences

Dr. Robert Ross (1917–2011) had a lifetime of expertise in the area of medical education. As the founder and former owner of one of the largest and most prestigious Caribbean medical schools, Robert Ross brought a wealth of experience, knowledge, and resources to offer you the best education possible.

Dr. Ross was a benefactor—because he continued to address the growing need for qualified health care practitioners in the United States and Canada. His reputation in developing academic institutions and his dedication to excellence were known worldwide.

In 2005, Dr Ross founded the International University of Nursing (IUON). This is a modern, state of the art institution located on the exotic Caribbean island of St. Kitts. IUON offers a traditional BSN program that can be completed in approximately 2 years. IUON is affiliated with several prestigious nursing schools in the United States where students complete their senior year.

Students graduate with a degree from a U.S. partner school and are eligible to apply for the NCLEX-RN and practice nursing in the U.S. Pass rates on the NCLEX currently exceed 90%.

With the success of IUON, Dr. Ross turned to addressing the growing need for qualified physicians in the U.S. and Canada. In 2007, Dr. Ross founded the University of Medicine and Health Sciences (UMHS). The UMHS inaugural medical school class was seated in May 2008.

Dr. Ross was an innovator — by using technology and the latest teaching techniques to provide an academic institution dedicated to excellence. The state of the art classrooms are conducive to large and small group instruction with a focus on problem-based learning.

UMHS opened a new 11,000 square-foot facility for the anatomy and neuroanatomy laboratories. The University also has a 24-bed virtual hospital ward

that utilizes human simulators. Here students can integrate clinical skills with basic science knowledge early in their training.

Dr. Ross was an idealist — because he saw a rapidly changing medical profession that will require physicians to be well educated, able to adapt to new technologies easily and quickly, yet can demonstrate compassionate support to each and every patient. He believed those were the capabilities that will define physicians in the 21st century.

Dr. Robert Ross leaves a lasting legacy to each and every student and graduate. He will be missed.

BEING A PHYSICIAN

“As to diseases, make a habit of two things: to help, or at least to do no harm. The art has three factors, the disease, the patient, the physician. The physician is the servant of the art. The patient must co-operate with the physician in combating the disease.”

—Hippocrates—

The physician is the servant of the art. A successful physician has the scientific knowledge to understand the disease. The art is in understanding how to best apply the scientific knowledge to each patient. The successful physician incorporates the art of listening to the patient and being able to compare what is heard with what is known. There is an art to seeing each patient as an individual with unique needs and an art to providing compassionate care. The successful physician understands how to take care of himself/herself as a person. The art to sharing oneself as a physician is to understand oneself as a person.

At UMHS, our mission is to educate and nurture a new generation of physicians prepared to meet 21st century health care delivery in a rapidly changing world. Our goal is to help our students grow as scientists and clinicians, but most importantly as human beings who are able to integrate the science and the art of being a physician.





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ADMISSIONS REQUIREMENTS

OVERVIEW

Applicants to the University of Medicine and Health Sciences should be highly motivated, dedicated, and determined to become physicians. A commitment to serve others and a desire to become caring physicians are key characteristics of the diverse UMHS student body.

Serious consideration is given to all candidates showing the potential to meet the University's rigorous academic requirements. Many variables, including, but not limited to, academic performance, credit load, work and research experience, letters of recommendation, and a personal essay are carefully reviewed when assessing candidates.

All candidates are given an opportunity to discuss their academic records and provide any other background information during an in-person interview at one of the University's four regional offices. The prospective student's maturity, aptitude, and motivation are assessed during the interview.

ENROLLMENT PERIODS

Students are accepted to UMHS in three enrollment periods: January, May, and September.

ADMISSIONS CRITERIA

Academic Performance: UMHS reviews transcripts to determine whether the applicant has the intellectual capability to perform in a challenging medical school curriculum. At UMHS, we are more interested in the pattern of an applicant's academic development than whether or not the applicant had difficulties some years past.

Test Taking Ability: If an applicant has taken standardized tests, it is important that the scores be shared with UMHS. The test scores are helpful in evaluating the applicant's needs relative to placement in the UMHS curriculum. The Medical College Aptitude Test (MCAT) is required by UMHS for all U.S. citizens and permanent residents. Any applicant who took the test one or more times must submit all the results with their application. While not required of non-U.S. citizens, it is recommended for all applicants, specifically those who are Canadian citizens or residents.

Motivation: Perhaps one of the most important qualities of an applicant is a level of personal motivation for success. At UMHS, we seek students who have demonstrated the ability to adapt, to study hard, to integrate various modes of instruction and to retain useful knowledge required for promotion. The applicant's personal essay, letters of recommendation, and the personal interview are important components used to assess motivation.

ADMISSIONS REQUIREMENTS

Prospective students must meet the minimum requirements for admissions to the University of Medicine and Health Sciences. Applicants are expected to have completed a minimum of three years of study (90 semester credits) at an accredited college or university. However, it is highly recommended that applicants earn a Bachelor's Degree prior to matriculating at UMHS.

The Admissions Committee gives serious consideration to all candidates demonstrating the potential to meet the

rigorous academic requirements of a highly structured curriculum.

Educational Requirements: Applicants must have successfully completed the following pre-requisites:

Inorganic or General Chemistry (with labs)	One Year
Organic Chemistry (with labs)*	One Year
General Biology or Zoology (with labs)	One Year
Physics (with lab)	One Semester
English	One Year
College Level Mathematics (preferably Calculus or Statistics)	One Semester

* Applicants may substitute one semester of Biochemistry for Organic II if this is the prescribed pre-medical chemistry sequence at your college or university.

Advanced placement courses may meet only one semester of the chemistry and/or one semester of the physics requirements. Advanced placement will not satisfy the English, Biology, or non-science requirements.

Educational Recommendations: Applicants should have a broad background in the humanities and have completed at least 12-16 credit hours in either the humanities and/or the social or behavioral sciences. It is recommended that additional science courses such as Genetics, Anatomy, Physiology, and Biochemistry be taken.

It is also highly recommended that applicants have experiences in clinical settings, research, public health, or community outreach activities.

Examination Requirements — MCAT:

As of January 2011, UMHS requires applicants to provide a score for the Medical College Aptitude Test (MCAT).

Examination Requirements — TOEFL:

International students whose principal language is not English must take the Test of English as a Foreign Language (TOEFL). At a minimum, a score of 600 on the paper-based version or 250 on the computer-based version of the TOEFL must be achieved.

APPLICATION PROCEDURE

The application must be fully completed in order for an applicant to be scheduled for a personal interview.

Application: The application may be completed electronically by going to the UMHS website (<http://www.umhs-sk.org>) and clicking on Inquire/Apply. Applicants should make sure the application is complete, including listing all colleges and universities attended, before they click on the submit button. Once the application is submitted, students cannot access their application without permission from the Admissions Department. Students who do not have access to a computer should contact the Office of Admissions to receive a paper application.

Personal Essay: The personal essay is an important aspect of the application. Applicants should be sure to follow the directions completely.

Application Fee: Applicants must submit a \$75.00 application fee. This may be done via credit card payment or by check sent via U.S. Mail.



Letters of Recommendation: If there is a Pre-Professional Advisory Committee at the college or university from which applicants completed their pre-medical or post-baccalaureate coursework, then we strongly recommend that applicants obtain a letter of recommendation from this committee. Applicants who do not submit a letter from the Pre-Professional Advisory Committee must explain in writing why they have opted not to do so. Applicants who attended a school at which there is no Pre-Professional Advisory Committee must submit at least two letters of recommendation from faculty members in a department of the applicant's major area of study. Additional letters may be submitted from professional health care workers who have had direct experience working with applicants. Letters of recommendation should be on official letterhead and sent directly from the college/university to UMHS at the Office of Admissions.

Official Transcripts: Applicants must request official transcripts from all universities or colleges previously attended. Unofficial transcripts provided by the applicant will be accepted only for the purposes of an initial evaluation. No application, however, is considered to be complete until official transcripts have been sent directly from the applicant's previously attended universities or colleges.

ADMISSIONS PROCESS

Standardized Tests: UMHS is interested in seeing all standardized test score reports (if taken), including SATs, ACTs, GREs, or any and all tests that will assist UMHS in evaluating a prospective student's application. MCATs are required as of January 2011. The test scores are helpful in evaluating the applicant's needs relative to placement in the UMHS curriculum.

Preliminary Evaluation: The UMHS Faculty Admissions Committee reviews each application and conducts a preliminary evaluation of the applicant's credentials. If it is determined that the applicant meets the University's minimum qualifications, the applicant will be invited for a personal interview.

Personal Interview: Qualified applicants will be invited to one of the University's four regional offices for a personal interview. The regional offices are in New York, Florida, Michigan, and California.

Applicants will be given the opportunity to discuss their academic record and provide any additional background information that may help the UMHS Admissions Committee assess the applicant's maturity, aptitude, and motivation. All documentation not able to be sent electronically must be mailed directly to the University at:

ADMISSIONS REQUIREMENTS (CONTINUED)

University of Medicine and Health Sciences, St. Kitts
North American Administrative Office
460 West 34th Street
New York, NY 10001
ATTN: Office of Admissions

APPLICATION DECISION

Applicants can anticipate admissions decisions being made usually within two weeks after the personal interview is conducted. Applicants will be notified in writing of the decision reached by the University of Medicine and Health Sciences Admissions Committee.

There are five decision options:

- 1) Acceptance:** The applicant has been accepted to attend UMHS.
- 2) Acceptance/Wait List:** The applicant has been accepted to attend UMHS; however, the next semester is currently full. The applicant is placed on a wait list and offered the opportunity to attend in the upcoming semester if a vacancy occurs. Otherwise, the student is accepted for the next available semester.
- 3) Acceptance to the Extended Basic Science Program:** The University of Medicine and Health Sciences introduced the Extended Basic Sciences (EBS) Program effective with the May 2011 Class. The program was designed for entering students who wished to spread the highly compressed work of the first four semesters of the MD program over a five semester period. Students accepted into the university may opt for this program up until a week after the first block exam in semester one. Applicants were invited to enter this program if, in their view, they could benefit from the additional time to complete the academic program.

Beginning with the September 2011 term, the admissions committee has determined that some of those admitted will be accepted directly into the EBS program. These decisions are based upon a variety of criteria that may include overall GPA, the GPA in the required pre-requisites, the MCAT score, the passage of time between completing the basic sciences and entering into medical school, a limited number of advanced science courses completed at the undergraduate level, and even language issues for those who speak English as a Second Language, or some combination of these factors.

We feel confident that this is a good option for those of you who voluntarily choose to complete the EBS as well as for those who have been admitted into the EBS by the admissions committee—the ultimate goal being to reduce your course load in order to perform well and master the information. Courses are taken with students in the regular four semester program so all EBS students are part of the “mainstream.” As an incentive the University has reduced the tuition to \$6740 per semester in the extended basic sciences program. The only additional costs to students attending the EBS are time (an additional semester and cost of living on the island)—and semester fees but not additional tuition above that paid by those completing the four semester sequence.

Please note the following:

- Those admitted to the EBS program or opting into the program will not be permitted to accelerate into the four semester Basic Science Program at a later date.
- Those who volunteer for the EBS should make their intentions known prior to the start of classes and registration on St. Kitts. Please notify the Office of

Admissions of your desire to participate in this program.

- Those who begin the regular four semester program may opt into the EBS program following the completion of the first mini examination if the results suggest that more time would be advantageous for successful completion of the basic sciences.
- Students may only opt into this program in the first semester.

4) Denial: The applicant has not met the minimum entrance qualifications as determined by the UMHS Admissions Committee. An applicant may appeal this decision, in writing, and must supply additional supporting documentation for review by the Admissions Committee.

5) Accelerated Review Program (ARP): This program is designed for students who have the drive to become successful physicians but need additional academic and study skills support to ensure their success in the rigorous UMHS medical education program. UMHS believes that with the right support, students who have the passion to become physicians can master the educational process to achieve their goal.

ARP Program Goals: The ARP program is designed to:

- Assist students with study skills that increase their opportunity to successfully complete the UMHS medical education program.
- Provide students with additional exposure and/or review in targeted courses.
- Reduce attrition once a student enters the UMHS medical school program.
- Increase student confidence in their ability to be successful academically.

ARP Program Length: The Accelerated Review Program is a one semester program.

ARP Student Selection: Students who apply to UMHS and have met all minimum entrance requirements will be considered for the Accelerated Review Program. The UMHS Admissions Committee will base their decisions for admittance to ARP on the student's prior academic performance, the personal interview, and assessment of the student's ability to successfully complete the UMHS medical education program and pass the United States Medical Licensing Examination, Steps 1 and 2. Students that successfully complete the ARP program will be accepted into the first semester of UMHS.

ACCEPTED STUDENTS

Once accepted to the University of Medicine and Health Sciences, a student will be assigned a post-acceptance director and sent a Welcome Package by U.S. Mail. The role of the post-acceptance director is to review the Welcome Package with the student and assist them with all aspects of the enrollment process. For example, prior to arriving at the UMHS St. Kitts campus, all accepted students must have a valid passport, a medical examination that includes required immunizations, and a background check. Travel arrangements will also need to be completed.

INFORMATION FOR CANADIAN APPLICANTS

Canadian applicants should follow the procedures listed above. Financial information for Canadian applicants is included in the catalog chapter called *Tuition & Fees*.

INFORMATION FOR INTERNATIONAL APPLICANTS

In addition to completing the application

process as described above, international applicants must submit scores from the English proficiency examination, Test of English as a Foreign Language (TOEFL). International students who are from an English-speaking country may be exempt from this requirement. Applicants should contact the Department of Admissions to determine if they are exempt.

Applicants who attended international colleges or universities must have their college courses evaluated by an approved National Association of Credential Evaluation Services (NACES) agency such as World Education Services. A NACES agency determines if the courses are comparable and equivalent to courses taken in the United States or Canada. All required documents, if originally in a foreign language, must be accompanied by a notarized English translation.

TRANSFER POLICY

The University of Medicine and Health Sciences - St. Kitts (UMHS) does not accept transfer students beyond the fifth semester.

Transfers into Fifth Semester: Students seeking to transfer into the fifth semester will be considered on an individual basis. Transferring students must take, at a minimum, the UMHS fifth semester curriculum in Portland, Maine. Students who are lacking satisfactory completion of any basic science courses must retake those courses at the UMHS - St. Kitts basic science campus.

Undergraduate and medical school transcripts must accompany the UMHS application. Students may initially provide unofficial transcripts; however, official transcripts from each school or university are required to complete the application process.

Transfers into Second, Third, and Fourth

Semesters: Application for transfer into semester 2, 3, or 4 will be considered on an individual basis. Any student who transfers into UMHS must have satisfactorily completed all the medical school admissions requirements. In addition, medical school transcripts will be evaluated to determine course comparability and the level of advanced standing.

Undergraduate and medical school transcripts must accompany the UMHS application. Initially, unofficial transcripts will be accepted; however, official transcripts are required to complete the application process.

APPLICATION CHECKLIST

The application must be fully completed prior to an interview being scheduled for the applicant.

A completed application consists of:

- Completed Application — either electronic or paper
- Personal Essay
- Application Fee — \$75.00
- Letters of Recommendation
- Official Transcripts from colleges/universities attended
- GRE and TOEFL Examination Scores, if taken
- Signature Form signed by the applicant
- MCAT Score is required (See Page 22, Test Taking Ability)

All application documentation, other than the application and essay if completed electronically, must be mailed to:

University of Medicine and Health Sciences, St. Kitts
North American Administrative Office
460 West 34th Street
New York, NY, 10001
ATTN: Office of Admissions

T U I T I O N & F E E S

The University of Medicine and Health Sciences prides itself on providing a quality education at an affordable price. We understand the significance of student debt load and have established tuition at a value that makes the academic program, as well as repayment, affordable, and far below that of many other schools.

There are two categories of costs associated with attending any educational institution:

Direct Costs: Direct costs are those associated specifically with institutional charges billed directly by UMHS. Direct charges include tuition, lab fees, course fees, medical and evacuation insurance, and applicable registration fees.

Indirect Costs: Indirect costs include housing, living expenses, books, supplies, and transportation. Students should be aware that they are responsible for all indirect expenses. UMHS does not bill or receive money for indirect costs. Students may choose to take loans to assist with these costs.

UMHS only bills for direct costs. Students, however, should take into account both direct and indirect costs when planning their financial needs.

DEPOSITS

Upon acceptance, a non-refundable \$200.00 deposit must be received by UMHS within 10 days. This deposit will be credited towards the first semester tuition.

TUITION

Tuition and payments are due each semester before classes begin. Payments can be made by money order, credit card, or through financial aid. Failure to pay fees and tuition may result in an inability to complete registration for classes.

BASIC SCIENCE TUITION RATES	PER SEMESTER FEE—Semesters 1–4
Basic Science Tuition	\$8,600.00
Health Insurance (age-based)	\$284.00–\$684.00
Evacuation Insurance	\$105.00
Lab Fees	\$500.00
Student Government Association (SGA)	\$30.00
EXTENDED BASIC SCIENCE TUITION RATES	PER SEMESTER FEE—Semesters 1–5
Extended Basic Science Tuition	\$6,880.00
Health Insurance (age-based)	\$284.00–\$684.00
Evacuation Insurance	\$105.00
Lab Fees	\$500.00
Student Government Association (SGA)	\$30.00
ACCELERATED REVIEW PROGRAM TUITION RATES	PER SEMESTER FEE
Accelerated Review Program Tuition	\$3,000.00
Health Insurance (age-based)	\$284.00–\$684.00
Evacuation Insurance	\$105.00
Student Government Association (SGA)	\$30.00
CLINICAL SCIENCE TUITION RATES	PER SEMESTER FEE—Semesters 5–10
Clinical Science Tuition	\$11,000.00
Health Insurance (age-based)	\$284.00–\$684.00
Liability Insurance	\$344.00
Tuition rates effective January 2012	
Note: Tuition rates are subject to change without notice.	

Tuition will be prorated for students who are less than full time at a rate of \$650.00 per credit in the Basic Science portion of the program, and \$750 per credit for the clinical semesters.

DIRECT COST

There are additional direct cost expenses for all students attending the UMHS.

Health Insurance: Health insurance is required for all students attending UMHS in St. Kitts or in the United States. Enrollment in the medical health insurance plan offered by UMHS is automatic unless proof of health insurance coverage is provided by the student before or during registration.

The cost of medical insurance purchased through UMHS varies depending upon a student's age.

Evacuation Insurance: Students are required to have medical evacuation insurance while attending the UMHS St. Kitts campus. This insurance covers the costs due to evacuating a student from St. Kitts should there be a medical emergency. Enrollment in the medical evacuation insurance plan offered by UMHS is automatic and is due at the beginning of each semester.

Liability Insurance: Liability insurance is required for students throughout the clinical program in the United States. Students will



be provided further details regarding liability insurance prior to returning to the U.S. for fifth semester.

Laboratory Fees: Students are responsible for laboratory fees each semester. This fee encompasses costs associated with the use of laboratory, competency testing, and computer facilities. The laboratory fee will be billed along with tuition for all semesters in St. Kitts.

ADDITIONAL EXPENSES

Book and Equipment Needs: Each semester, students receive a list of the required books, supplies, and uniforms that they will need to purchase. The most efficient way to obtain these items is through the Campus Bookstore on the St. Kitts campus. The books offered will be the latest editions available at the time of shipping. Entering students should purchase their books in advance of traveling to St. Kitts to ensure the order is available upon arrival. Students should be aware that most airlines have weight restrictions for checked luggage. This makes it difficult for the

student to pack books and supplies without exceeding the checked luggage weight limit.

Laptop/Tablet Computers: Students are required to bring a Microsoft Windows®-based laptop/tablet computer to campus as of first semester. Computers are utilized in virtually every classroom and laboratory where students can access faculty PowerPoint® presentations and class notes. UMHS has followed the lead of U.S. medical schools in developing a digital library of histological images. In the past, students were required to utilize microscopes to view these images. Today, histology is taught in modern computer laboratories where students can manipulate the images and resolution to optimize the learning experience. Furthermore, all students are required every semester to use their own personal computer to take the web-based NBME shelf examinations. For more information about laptop/tablet computer requirements, refer to the UMHS website under *Accepted Students*.

Transportation Costs: UMHS provides transportation to students that live outside the general vicinity of campus. Transports pick up students in the morning and return at various times during the day and evening. Students are encouraged to purchase a used vehicle in St. Kitts. This is a short term investment that yields a tremendous amount of enjoyment and satisfaction. Used cars can be purchased at a reasonable cost. The UMHS Student Service Office maintains a list of available used cars and can assist students in locating an appropriate vehicle. In many cases, students can recover most of their investment when they ultimately sell their vehicle.

Living Expenses: Students should budget for typical living expenses, including housing, utilities, food, local transportation, and entertainment. Costs will vary based on the level of accommodation and location.

FINANCIAL AID

UMHS recognizes that a medical education requires a significant financial investment from the student and their families and encourages students to pre-plan and carefully consider all anticipated costs. Applicants receive a detailed financial aid package and are offered financial aid counseling. The Office of Financial Aid staff helps applicants review and understand how their previous education debt, personal financial resources, and credit history may impact their ability to finance their medical education.

Once enrolled, students continue to receive guidance from the Office of Financial Aid with presentations and practical workshops on budgeting, credit awareness, and debt management strategies. Each UMHS financial aid counselor has years of experience helping students develop viable financial plans to achieve their educational goals.

Financial aid consists of institutional loans and scholarships. Because UMHS is a new university, students are not yet eligible to receive aid from any of the federal student aid programs available through the U.S. Federal Direct Loan programs. There is a UMHS Financial Planning Guide available in the Financial Aid Section of the University website (www.umhs-sk.org).

STUDENT LOANS

Loans are monies that must be repaid. Typically repayment begins after students have completed their education. Student loans have varying interest rates and terms of length that can affect the total amount a borrower will pay over the life of the loan.

A student will not be permitted to borrow more than the cost of attendance for each loan period. Even if a student loan is credit

approved by the bank for an amount larger than the cost of attendance, the Office of Financial Aid will only certify a maximum amount equal to that of your total cost. Consumer or other personal debt (credit cards, mortgages, car payments, legal fees, etc.) cannot be included in the cost of attendance.

The UMHS website (www.umhs-sk.org) offers the most current financial aid/loan information.

CANADIAN STUDENT LOAN PROGRAMS

There are several loan opportunities for Canadian students who are accepted to study medicine at UMHS.

Provincial Loans: The Canadian government provides loan information and access to the National Student Loan Center through their Can Learn website at www.canlearn.ca. UMHS does not qualify for the provincial loans at this time. However, postponement of repayment on previous provincial loans and tax credits is often available. Please contact the Office of Financial Aid and the Can Learn website for further details.

Credit-Based Loans: To supplement provincial loans, UMHS has coordinated credit-based loans with the Royal Bank of Canada and the National Bank of Canada. Each program offers specific terms and conditions as well as pre-set limits. The lines of credit are credit-based and a co-signer may be required. To apply for a credit-based loan from Royal Bank of Canada or the National Bank of Canada, Canadian students accepted at UMHS may go to any bank branch office with their acceptance letter. (See university website for most up to date information on Canadian Loans.)

UMHS INSTITUTIONAL LOAN PROGRAM

UMHS offers a special loan program for both incoming and current UMHS medical students. This is a needs-based loan program that requires a credit-worthy U.S. cosigner. Applications for this loan program can be obtained from the Office of the Financial Aid at jsutter@umhs-sk.net.

SCHOLARSHIPS

A limited number of partial tuition scholarships in the amounts of \$500, \$750, and \$1,000 per semester are awarded to students in each UMHS incoming class. The scholarships are merit-based and award amounts are determined by the strength of the student's previous academic record as recorded in their admissions application. All accepted students are automatically considered and reviewed for institutional scholarship funds.

UMHS also offers two scholarships to citizens of St. Kitts and Nevis. Criteria for these scholarships will be sent to those recommended by the Ministry of St. Kitts and Nevis.

TUITION REFUND POLICIES

Students who officially withdraw from the University will have their refunds, if any, calculated according to the tuition refund schedule that is published in the UMHS Student Handbook and website. The percentage of refund is based on the actual date of withdrawal recorded by the Registrar. This may not necessarily result in a refund, and in some instances, a tuition balance may still be due. Insurance and fees are non-refundable. Refunds are mailed directly to the student's home by the Office of the Bursar.

When withdrawing from the University, a student is required to complete and file the appropriate form before being entitled to any credit or tuition refund. The completed document must be returned to the Office of the Registrar. Once the form is processed, it will constitute an official withdrawal from UMHS. Discontinued attendance or notification to the instructor or any other office will not constitute an official withdrawal.

The effective date of a withdrawal is normally the student's last date of attendance. The University's handling of tuition and charges corresponds with federal loan entitlement regulations, which are based on the period attended.

- If a student withdraws prior to the start of a semester, no tuition charges are due.
- If a student withdraws during the first 60% of a semester, tuition charges are directly pro-rated based on the number of days attended during that term. (There are three semesters per year.)
- If a student withdraws after the first 60% of a semester, full tuition charges remain due.
- For withdrawals during the first 60% of a semester, student loan entitlement is recalculated in accordance with federal loan regulations. If applicable, the University and the student are each proportionally responsible for returning "unearned" loan funds to lenders. In addition to the lender returns required by federal regulations, the University returns any remaining credit balance to lenders, which decreases the student's loan debt for that semester.

- All cash students (non-financial aid) who officially withdraw from the University during the first 60% of a semester may receive a tuition refund in accordance with the pro-rated tuition formula.

Although a leave of absence may be authorized in limited circumstances, failure to return to school from a leave of absence is considered a withdrawal as of the last date of attendance. Under federal regulations, a leave of absence must be requested and approved in advance, may not exceed 180 days, and may not be granted within 12 months of a previous leave of absence. Any interruption of enrollment status that does not qualify as a leave of absence is considered a withdrawal as of the last date of attendance.





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M I C S

ACADEMIC OVERVIEW

The University of Medicine and Health Sciences is modeled after the best U.S. medical schools. To graduate with a Doctor of Medicine Degree (M.D.), students must successfully complete the basic and clinical science programs and pass the United States Medical Licensing Examinations (USMLE) Step 1 and Step 2 CK and CS.

SCHEDULE

UMHS operates on a three semester schedule per calendar year, with classes beginning in January, May, and September. Each semester is approximately 15 weeks. Students complete their program in just over three years.



ACADEMIC CALENDAR

WINTER 2012 TERM

Wednesday, January 4–Sunday, January 8

Wednesday, January 4

Monday, January 9

Friday, January 13

Friday, April 20

(January–May 2012)

Orientation and Registration

5th Semester Registration Maine

Classes Begin — Late Registration

Last Day to Register

Last Day of Final Exams/End of Semester

SPRING 2012 TERM

Wednesday, May 2–Sunday, May 6

Wednesday, May 2

Monday, May 7

Friday, May 11

Friday, August 17

(May–August 2012)

Orientation and Registration

5th Semester Registration Maine

Classes Begin — Late Registration

Last Day to Register

Last Day of Final Exams/End of Semester

FALL 2012 TERM

Tuesday, August 28–Sunday, September 2

Tuesday, August 28

Monday, September 3

Friday, September 7

Wednesday, September 19

Friday, December 14

(September–December 2012)

Orientation and Registration

5th Semester Registration Maine

Classes Begin — Late Registration

Last Day to Register

Independence Day–Campus Closed

Last Day of Final Exams/End of Semester

(Subject to change without advance notice)

Please be advised that the fifth semester calendar may be different from the Basic Science Calendar:

Effective January 1, 2012



ACADEMIC PROGRAMS

TEACHING METHODS

Traditional Teaching: The lecture format is used to teach basic science content with class groups. Audio-visual tools are a key element utilized with this traditional teaching method. The UMHS lecture halls are designed to provide students with maximum viewing access to all audio-visual content.

Clinical Experiences: During the UMHS Basic Science Program, students have access to a variety of clinical settings, including community health centers and local hospitals. UMHS is unique in offering students a virtual hospital ward where students work with human computerized simulators in a 24-bed hospital ward setting.

Tutoring: A tutoring program is available for students requiring additional support on a given topic.

Individual Learning: Students typically bring a laptop/tablet computer to most classes. Students can access online resources throughout the campus via a wireless environment. Students can also access our online histology database at home by cable modem.

BASIC SCIENCE PROGRAM

The Basic Science Program is located at our state of the art campus on the Caribbean island of St. Kitts. The four semester program provides a thorough knowledge of the basic biomedical sciences, which includes history taking, physical examination skills, and problem solving techniques.

Every semester, students take three block examinations and a final comprehensive examination for each course. In many courses, the NBME subject examinations are administered as the final comprehensive examination. Subject examinations from the NBME are, in essence, mini USMLE examinations in that they use a similar type and style of questions. This form of testing better prepares students for successful first-time passage of USMLE Step 1.





BASIC SCIENCE CURRICULUM

SEMESTER	DEPARTMENT	COURSE NUMBER	COURSE NAME	CREDITS	TOTAL
1	MANT	603	Gross & Developmental Anatomy	11	
1	MANT	620	Histology	5	
1	MBIO	650	Cell & Molecular Biology	6	
1	MICM	940	Medical Ethics	1	
1	MICM	660	Physical Diagnosis	2	25
2	MBIO	760	Biochemistry	7	
2	MPHY	711	Physiology	10	
2	MBIO	770	Genetics	3	
2	MBEH	920	Biostatistics & Epidemiology	3	
2	MMCR	823	Immunology	2	25
3	MBEH	830	Behavioral Sciences	5	
3	MNEU	810	Neuroscience/Neuroanatomy	7	
3	MPAT	800	Pathology I	9	
3	MMCR	822	Microbiology	5	26
4	MPHM	910	Pharmacology & Therapeutics	7	
4	MPAT	900	Pathology II	12	
4	MICM	930	Introduction to Clinical Medicine	6	25

EXTENDED BASIC SCIENCE CURRICULUM

SEMESTER	DEPARTMENT	COURSE NUMBER	COURSE NAME	CREDITS	TOTAL
1	MANT	603	Gross & Developmental Anatomy	11	
1	MICM	940	Medical Ethics	1	
1	MBIO	650	Molecular & Cell Biology	6	
1	MICM	660	Physical Diagnosis	2	20
2	MBIO	760	Biochemistry	7	
2	MBEH	830	Behavioral Sciences	5	
2	MANT	620	Histology	5	
2	MBIO	770	Genetics	3	20
3	MMCR	822	Microbiology	5	
3	MPHY	711	Physiology	10	
3	MMCR	823	Immunology	2	17
4	MNEU	810	Neuroscience/Neuroanatomy	7	
4	MPAT	800	Pathology I	9	
4	MBEH	920	Biostatistics & Epidemiology	3	19
5	MPAT	900	Pathology II	12	
5	MPHM	910	Pharmacology & Therapeutics	7	
5	MICM	930	Introduction to Clinical Medicine	6	25

Curriculum as of January 2012.

Please note that the curriculum may change after the printing of this catalog.

For the most current version of our curriculum, please visit our website at www.umhs-sk.org.

CLINICAL SCIENCE PROGRAM

The Clinical Science Program is designed to give students a broad spectrum of medical practice, training in clinical skills, and patient contact. The program consists of core and elective rotations that are completed at U.S. teaching hospitals affiliated with the University of Medicine and Health Sciences.

FIFTH SEMESTER

There are two required courses in fifth semester: Introduction to Clinical Medicine II and Biological Basis of Clinical Medicine, which includes a USMLE review component. These courses are designed to help students transition into the core clinical program as well as prepare them to sit for the USMLE Step 1. Please note that the academic calendar for the fifth semester may be different from the Basic Science calendar.

The fifth semester program takes place in Portland, Maine. Maine was selected by UMHS because of its long tradition of providing quality health care and

its demonstrated excellence in medical education. The UMHS facilities includes a modern classroom, multiple examination rooms, conference room for small group meetings, faculty offices, student lounge, and access to a state of the art library and learning resource center. Virtual clinics utilizing human simulators are a regular student experience.

All student clinical experiences are conducted by a team of experienced Maine physicians, many of whom have decades of both medical practice and teaching experience. Students are assigned to physicians in actual patient care settings at several hospitals, clinics, and office health centers in and around the Portland area. The opportunity to work beside renowned Maine physicians is designed to build student clinical capabilities, increase student confidence, and enhance student performance on United States Licensing Examinations (USMLE). Students must pass the USMLE Step 1 to progress to the sixth semester.

Fifth semester students have an opportunity to enjoy a beautiful state with rugged coastlines and unspoiled landscapes. Portland, Maine offers all the amenities of a big city: art districts, waterfront, museums, parks, and diverse shopping opportunities, but within minutes, students can be in the country to enjoy the woods, river canoeing, or downhill skiing.

AFFILIATE HOSPITALS

UMHS has established affiliations with a number of teaching hospitals in New York, Connecticut, Ohio, Georgia, Maryland, Michigan, Illinois, Wisconsin, and Puerto Rico. In addition, we are continuing to expand the core clinical affiliations and are in negotiations with a significant number of teaching hospitals. Visit our website at www.umhs-sk.org for a detailed listing of our affiliated hospitals.



CLINICAL SCIENCE CURRICULUM

SEMESTER **COURSE NAME** **CREDITS**

5	Introduction to Clinical Medicine II	7
5	Biological Basis of Clinical Medicine	4

Semesters 6-10: After passing Step 1 of the USMLE, students are placed in clinical rotations at one or more teaching hospitals affiliated with UMHS throughout the United States.

The Clinical Sciences Program includes 48 weeks of mandatory core clinical rotations and 30 weeks of elective rotations. The core rotations represent the primary areas of medical practice and the elective rotations provide students with an understanding of the various specialties in medicine.

CLINICAL ROTATION PLACEMENT

The Dean of Clinical Sciences will assign each student a mandatory clinical rotation sequence after students have successfully completed their Basic Science Program and fifth semester, passed USMLE Step 1, and met all financial obligations.

SEMESTER 6-10 **DURATION**

Internal Medicine	12 weeks
Surgery	12 weeks
Pediatrics	6 weeks
Obstetrics/Gynecology	6 weeks
Psychiatry	6 weeks
Family Practice	6 weeks
Electives	30 weeks



COURSE DESCRIPTIONS

MANT 0603: GROSS AND DEVELOPMENTAL ANATOMY

(11 credits)

Anatomy focuses on the gross structure of organs and function and, through clinical correlations, relates each to clinical medicine. An Anatomical Learning Resource Center has been established to utilize computer-based instruction, anatomical models, radiographic materials as well as supervised laboratory sessions dissecting various parts of the human body. Students study the structure and function of all organs with some interaction with cellular structure. This course incorporates an understanding of how embryological processes give rise to the mature body form. When this course is complete, each student will have extensive knowledge of the gross anatomy and development of the entire human body as it relates clinically to the practice of medicine.

MANT 0620: HISTOLOGY

(5 credits)

This course centers on the study of the microscopic structure of normal human cells, tissues, and organs. Virtual microscopy is used to study the structure of basic tissue types and their integration into organs and organ systems. The lectures correlate microscopic and gross anatomy with basic histophysiology and function of organ systems. On completion, the student must be able to identify, describe, and give function of cells, tissues, structures, and organs of the human body presented via lecture and digital imagery. Students must complete specific performance objectives which accompany individual lecture segments, and, where appropriate, be able to integrate histology with other classes of the curriculum.

MBIO 0650: MOLECULAR AND CELL

(6 credits)

This course develops the necessary understanding of how the cell functions at the cellular, organelle, and molecular levels.

Students are exposed to a wide variety of topics, such as cell structures and their functions, membrane transport, signal transduction, DNA replication and repair, transcription, translation, regulation of gene expression, cancer, and molecular biology techniques.

MICM 0660: INTRODUCTION TO PHYSICAL DIAGNOSIS

(2 credits)

Physical Diagnosis I is designed to provide early exposure to clinical medicine. Students are instructed in patient interviewing and communication skills. They also receive hands on examination skills in the musculoskeletal system using simulated and standardized patients. Additionally, clinical correlations and medical imaging are presented in conjunction with the Gross and Developmental Anatomy course. Professionalism in doctor-patient, doctor-doctor, and doctor-society interaction is stressed.

MPHY 0711: PHYSIOLOGY

(10 credits)

Physiology concentrates on how the various organ systems that comprise the human body function. The major objective of this course is to enable the student to acquire a sound understanding of the mechanisms upon which life depends through an integrated study of the many control systems that maintain homeostasis. Emphasis is placed on the mechanisms that maintain a homeostasis under a variety of conditions. The course begins with a study of basic physiological principles, such as the transport of ions, intracellular signaling, osmosis, membranes, and their electrical properties. Following the presentation of the basic principles of cellular physiology, which includes muscle and nerve, cardiovascular, respiratory, renal, gastrointestinal, endocrines, and reproductive physiology are taught and integrated into total body function. Temperature regulation and the integrated physiological responses to exercise and adverse environments are also presented. Most disease conditions result

from abnormal functioning (i.e., disturbance of homeostasis) of one or more of the basic control systems. Thus it is of fundamental importance that the future physician understands these regulatory mechanisms taught in this basic medical science course. After completing the course, students will have a clear understanding of how the major systems of the body operate in an integrated fashion necessary to maintain a homeostatic state.

MBIO 0760: BIOCHEMISTRY

(7 credits)

This course focuses on the inter-relationship and regulation of metabolic pathways as it pertains to understanding the mechanism of disease states. The student is prepared accordingly through a discussion of the principles of biochemistry including anabolic and catabolic reactions as permitted by the generation and use of energy. Bio-chemical mechanisms are utilized to justify particular signs and symptoms noted in certain clinical conditions. In so doing, a comprehensive understanding of the metabolism of Proteins, Carbohydrates, Lipids, and other Nitrogen containing molecules is achieved.

MBIO 0770: GENETICS

(3 credits)

This course provides a description of the human genome including the details of DNA, gene, and chromosome structure, the basics of gene expression, and the various forms of inheritance. The overall goal is to use this knowledge to better understand the molecular mechanisms of how genetic mutations lead to the single gene and complex disorders described in the textbook case studies. Specific course topics include gene mapping and disease gene identification, the treatment of genetic disease, prenatal diagnosis, cancer genetics, and pharmacogenetics.

MPAT 0800: PATHOLOGY I

(9 credits)

Pathology introduces students to the cellular system of each organ and traces the morphological changes in a cell that

are responsible for a disease in an organ. As cells undergo alteration, their change in function is studied in respect to its deviation from the “normal” state. Course presentation includes the response of cells, tissues, and organs to disease and injury; the normal and adapted cell; degeneration and necrosis; inflammation, fluid, and hemodynamic derangements; neoplasia; immunopathology; systemic, environmental, and nutritional disease. Lecture discussions are supplemented by a study of gross and microscopic specimens.

MNEU 0810: NEUROSCIENCE NEUROANATOMY

(7 credits)

Neuroscience begins with an overview of the entire nervous system. As the course progresses, the focus is on comprehending the basic structure and function of each level of the nervous system, integrating both the anatomy and physiology of the nervous system. The principles that underlie the anatomical structure of each system of the brain are correlated with its physiology; correlations between the functional deficits and the pathological anatomy in several neurological diseases which require working knowledge of anatomy and physiology are stressed. Special attention is given to integrating current understandings of human neurological and psychiatric diseases, and each topic is supplemented by relevant lab exercises which include detailed brain dissection and exposure to angiograms, CT scans, MRI, etc.

MMCR 0822: MICROBIOLOGY

(5 credits)

Microbiology teaches students the basic concepts of infectious disease in a lecture and laboratory setting. The goal of the course is for students to gain a basic knowledge and understanding of microbial diagnosis of Bacteria, Viruses, Fungus, Protozoa, and Parasites. The etiology, pathogenesis, and genetics of bacterial infection are key foundations to the study of microbes. Students will learn the symptoms

that help in diagnosis of a patient and how these symptoms relate to disease. Prevention of disease such as vaccines, hand washing, and sterilization and disinfection are stressed as well as the treatment of infectious disease. In the laboratory, students perform the techniques needed to identify and inform treatment strategies for a variety of gram positive as well as gram negative bacteria. Case studies are used in laboratory sessions to enhance the learning experience and provide a well-rounded educational experience.

MMCR 0823 LEC: IMMUNOLOGY

(2 credits)

The course begins with a general overview and introduction to the immune system including a description of the cells and tissues involved with innate and adaptive immunity. This is followed by descriptions of the molecular and cellular mechanisms employed in innate immune responses, and for those used in the humoral and cell-mediated arms of adaptive immunity. This includes the details of antigen processing and presentation by antigen presenting cells and the central role of MHC molecules in this process. The maturation and selection of B and T lymphocytes and the production of the diverse antigen receptors required for lymphocyte activation are also described in detail. The pathways of lymphocyte activation are followed by an explanation for the generation of the different effector functions and memory cells produced during a humoral or cell-mediated response. The last half of the course is focused on more clinically related topics including tolerance and autoimmunity, transplantation and immunosuppression, immunotherapy strategies against tumors, hypersensitivity, and the consequences of congenital immunodeficiencies. The course ends with a description of the tools and assays of immune function.

MBEH 0830: BEHAVIORAL SCIENCE

(5 credits)

Behavioral Science stresses the complex relationship between psychological make-up and experience, by providing a knowledge base for normative and non-normative human development throughout the life cycle. The course also introduces the student to the behavioral basis of clinical medicine by focusing on common behavioral problems and the circumstances that evoke important behavioral/emotional responses. The concept of culturally competent care will be defined, and the basics of recognizing organic and functional psychological disturbances are described. Workshops on realistic clinical problems are an integral part of this course; sexual dysfunction, bereavement, suicide, and sociological disorders receive detailed attention. Additionally, the student should develop increased insight into personal functioning and feelings and develop the skills needed to act as an empathetic and effective interviewer and behavioral change agent.

MPAT 0900: PATHOLOGY II

(12 credits)

Pathology II applies the basic concepts learned in Pathology I to continue the study of pathologic basis of disease using a physiologic system, or organ-based approach. This course covers red and white cell diseases, male and female genital tracts, and kidney and liver systems. Course presentations include etiology, pathogenesis, and morphologic changes in diseases according to organ system. Appropriate use of the laboratory is stressed in the diagnosis of disease while case presentations further emphasize the clinical aspects of the pathologic processes.

MPHM 0910: PHARMACOLOGY AND THERAPEUTICS

(7 credits)

This course concentrates on how chemical agents (drugs) regulate or modify physiological functions of the

COURSE DESCRIPTIONS (CONTINUED)

body, demonstrating how interactions of drugs with living organisms contribute to diagnosis, prevention, treatment, or cure of diseases. Biologic responses, physiological alterations, and correction for each drug class highlighting receptor interaction, which define the agent's boundaries of efficacy. Because pharmacology and therapeutics is an integrated science, strong attempt is made to maintain this integrated approach in lectures, tutorials, and case studies. Major emphasis will be on principles of pharmacogenetics (pharmacodynamics, pharmacokinetics, adverse drug reactions, teratogenicity, etc.) as well as therapeutics of common drugs used in infectious disease, malignant diseases, and endocrinal disorders.

MBEH 0920: BIostatISTICS AND EPIDEMIOLOGY

(3 credits)

The principles of biostatistics are introduced in this course, emphasizing both the practice of interviewing and collecting data. The epidemiology of disease and concepts of Public Health and Industrial Medicine are also covered in this course. Finally, the course will end with discussions of broad issues related to health care delivery, health care legislation and costs, and a comparative discussion of health care systems.

MICM 0930: INTRODUCTION TO CLINICAL MEDICINE I

(6 credits)

This course is designed to introduce students to the basic skills they will need to function as effective clinicians. History taking and physical examination skills are taught in practical classes using the latest technological media, including Laerdal patient stimulators (adult, pediatric, and adolescent). The course addresses a range of clinical skills necessary for the future development as a physician, including clinical assessment and plan for the care of patients using library and computer search of evidence-based information

for patient care. Didactics are blended with laboratory data interpretation, radiology and other imaging techniques, and electrocardiography, introducing core medical information ready for the third and fourth years of clinical training. Critical emphasis is on the development of ethical standards, specialization, as well as education and licensing requirements in the various states. Class size is small-group to facilitate free discussion and pertinent technique demonstrations.

MICM 0940: MEDICAL ETHICS

(1 credits)

Medical Ethics is designed to introduce ethical, professional, and legal issues that arise in the practice of medicine. This course provides an overview of the salient issues for students, tools used to recognize ethical, professional, and legal conflicts in clinical settings, and resources to critically examine and address questions and concerns these conflicts present in-patient care.

MICM 1010: INTRODUCTION TO CLINICAL MEDICINE II

(7 credits)

Introduction is made to core medical information necessary to begin the third year of medical training, building on advances made in the fourth semester of ICM. Didactics are blended with laboratory data interpretation, radiology and other imaging techniques, and electrocardiography, introducing core medical information necessary for the third and fourth years of clinical training. This will be done in a problem-based learning format stressing a review of the basic sciences, the development of case-centered learning goals and emphasis is placed on the introduction of a series of core medical conditions, integrating behavioral medicine. Critical emphasis is also placed on the development of ethical standards, specialization, as well as education and licensing requirements in the various states.

MICM 1020: BIOLOGICAL BASIS FOR CLINICAL MEDICINE

(4 credits)

This course is designed to fully integrate the knowledge acquired in the various basic medical sciences and pre-clinical sciences during the first four semesters of study into a useful body of information that can be utilized to prepare the student to sit for licensure examinations (USMLE I). The USMLE Review provides a solid review of the entire basic science curriculum so that students are fully prepared to take the USMLE Step 1.

INTERNAL MEDICINE

(12 weeks)

Students build on skills acquired in physical diagnosis to include the completion of a thorough history and physical examination of primarily adult patients. Students participate in general Internal Medicine areas, granting exposure to the diagnostic and treatment process as it unfolds. Students develop competence in evaluating broad clinical problems and patient management skills. "Hands on" patient experience is supplemented by tutorials and didactic sessions. Lectures will include the management of commonly encountered disease processes as well as an introduction to the use of diagnostic procedures.

SURGERY

(12 weeks)

Students will be introduced to disease processes which require various levels of surgical intervention. Students develop skills needed by the general physician as well as those unique to surgery. Students further develop abilities in data synthesis and problem solving, and become oriented to the clinical setting related to surgery. Ideally, students follow the patient from admission through discharge. Students are expected to participate in all aspects of patient care: assisting in the operating room, emergency room, and acute care units. Opportunities will be provided for direct practice of simple procedures such as suturing, debridement,

and wound care. Students will be expected to observe and assist during various procedures in the OR and participate in follow-up and treatment of the post-surgical patient, as well as ambulatory practice settings.

PEDIATRICS

(6 weeks)

Students receive a broad overview of general pediatrics. Experience will be gained with in-patient and ambulatory pediatric care. Pediatric intakes and ward rounds are the basis of in-patient care while ambulatory care experience is gained in general pediatric clinics evaluating patients with common complaints and disorders. This clinical rotation introduces the student to the challenging treatment of infants, children, and adolescents; the diagnosis and treatment of common illnesses will be emphasized, but the student will have opportunities to learn about more rare congenital as well as acquired disorders.

OBSTETRICS AND GYNECOLOGY

(6 weeks)

Students are assigned to obstetrical and gynecological patients for evaluation and follow-up. Participation in normal deliveries is stressed. Students are expected to follow patients through completion of delivery or surgery. Ambulatory obstetrical and gynecological care is stressed and patient contact is supplemented with conferences and didactic teaching sessions. Observation and participation in a number of live births will be provided.

PSYCHIATRY

(6 weeks)

In a primarily institutional setting, the students will learn about the major psychiatric illnesses such as schizophrenia, affective, and anxiety disorders. Students build upon classroom knowledge gained during the first and second years. Treatment of psychiatric patients in the in-patient setting comprises the majority of the rotation. The resources available for

care of psychiatric patients are presented. Skill in the evaluation and diagnosis of the psychiatric patients is developed through direct patient interviews and didactic sessions.

FAMILY PRACTICE

(6 weeks)

Students work in both the private office and clinic setting and the hospital environment with family practitioners. Unlike other clerkships, this experience is not hospital based. Each student is assigned to an office environment, either a single practitioner or a group, to experience how different it is to practice primarily in an out-patient setting. Each student will be assigned to patients as they enter the office. Students will take a history and do a physical examination; define a diagnostic and treatment plan and then present it to the physician. If the patient requires hospitalization, the student will participate in the course in the hospital. If out-patient care is needed beyond the initial visit, the student will schedule and do the follow-up care.

GRADUATION INFORMATION

GRADUATION

To be considered eligible for graduation, students must achieve the following:

- Maintained a 2.0 or better Grade Point Average (GPA).
- Successfully completed all Basic Science Program coursework
- Successfully completed all Clinical Science Program coursework and rotations
- Passed all University examinations
- Passed the USMLE Step 1 and Step 2 CK and CS
- Fulfilled all financial obligations to the University

Because enrollment occurs three times a year, students will complete the medical school curriculum at different times. A student is considered to have graduated from UMHS when they have met all the requirements stated above.

A graduation ceremony will be held in New York City each spring for all students who have successfully met their educational obligations. The UMHS website will list the date and location of the graduation ceremony.

GRADUATE TRAINING

Residency Positions: Residency programs begin July 1st of each year. In order to be eligible, students must have the following prior to May 31st:

- Passing scores on the USMLE Step 1 and USMLE Step 2 CK and CS
- Diploma from the University of Medicine and Health Sciences
- ECFMG certificate

When applying for residency positions, deadlines are critical. Most residency programs accept applications from July to December for entry the following July. Students must call or write all the programs in which they are interested and obtain applications as early as possible. Interviews are generally conducted from September to January.

The best way to become familiar with programs and their addresses is to obtain a copy of the American Medical Association (AMA) Graduate Medical Education Directory, also known as the "green book," from any medical library or bookstore. This book lists programs accredited by the Accreditation Council for Graduate Medical Education (ACGME).

Match Program: The National Residency Match Program (NRMP) is a universal placement service that most programs and applicants participate in as it

GRADUATION INFORMATION (CONTINUED)

greatly optimizes the chances of getting a residency position. Applications are available from July to October for entry the following July. The deadline for receipt of the application is October.

To be eligible to participate in the NRMP, students must have passed the USMLE Step 1 and the USMLE Step 2 CK and CS by December of the year prior to which they wish to enter residency training. Students must also be scheduled to graduate from medical school on or before May 31st.

After applying to the NRMP, students must apply to each residency program in which they are interested and go on interviews. In February, students must submit a “rank order list” to the NRMP. The rank order list is a list of the programs at which students interviewed that are listed from most to least desirable. Simultaneously, all residency programs submit their rank order lists of the candidates they interviewed.

A computerized matching process begins, with results released in March. If a student matches at a specific program, it is a legally binding contract and he/she must begin the residency that July. If a student fails to match or is not eligible to enter the NRMP, the student can still apply to residency programs to obtain a position “outside the match.” Students who participated in the NRMP but did not match will be sent a publication listing all unfilled residency positions.

LICENSURE

National Licensure: To practice medicine in the United States, graduates must successfully pass the United States Medical Licensing Examination (USMLE) and be certified by the Educational Commission for Foreign Medical Graduates (ECFMG). UMHS prepares its students to sit for the USMLE licensing examinations in a variety of ways. UMHS has integrated the

shelf examinations into the Basic Science Program. These examinations are made up of questions that are similar in type and style to the USMLE. These are the same examinations that are offered to U.S. medical students. Shelf examinations are, in essence, mini USMLE examinations as they use a similar type and style of questions.

A board preparation program is offered by UMHS to fifth semester students. The purpose of this program is to further prepare students to pass Step 1 of the USMLE on their first attempt.

State Licensure: In addition to the national examinations, each U.S. state regulates medical licensure in its state as well. Because these standards vary by state, students are urged to contact their state medical board prior to enrolling for further information about licensure.

USMLE

Three tests comprise the USMLE. They assess a physician’s ability to apply knowledge, concept, and principles as well as demonstrate fundamental patient-centered skills that constitute the basis of safe and effective patient care.

USMLE Step 1: The USMLE Step 1 is taken prior to semester 6 at UMHS. This examination assesses whether medical school students understand and can apply important concepts of the sciences basic to the practice of medicine.

USMLE Step 2 CK and CS: The USMLE Step 2 CK and CS are taken prior to graduation from UMHS. These tests assess whether medical school students can apply medical knowledge, skills, and understanding of clinical science essential for provision of patient care under supervision.

USMLE Step 3: The USMLE Step 3 is taken prior to the completion of residency training. This examination assesses whether

medical school graduates can apply medical knowledge, skills, and understanding of biomedical and clinical science essential for the unsupervised practice of medicine.

ECFMG CERTIFICATION

ECFMG certification is required for residency and licensure in the United States. To obtain ECFMG Certification, Graduates of UMHS must pass Step 1 and Step 2 CK and CS of the USMLE, and must submit a certified copy of their diploma.

ADMINISTRATION

NORTH AMERICAN ADMINISTRATION

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President

HOWARD SACHS, M.B.A.
Chief Financial Officer

JERRY W. THORNTON, Ph.D.
Executive Vice President

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NORTHEAST OFFICE

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Senior Associate
Director of Admissions

JOHN KRAMER, M.A.
Associate Director of Admissions

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Assistant Director of Admissions

KYLE KASKIW, B.A.
Director of Special Projects

OBED FIGUEROA, B.S.
Assistant Director of Admissions

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Vice President of Enrollment
Management

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Regional Director of Admissions,
Midwest

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Assistant Director of Admissions

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Regional Director of Admissions,
South

TARI GRIGSBY SMITH

Associate Director of Admissions

EARL MAINER, B.A.
Senior Associate Director of Admissions

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ELENA VELASCO, B.A.
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Assistant Director of Admissions

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Director

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LINDA EVERETT, B.S.
University Registrar

MARLENE HUMMEL, B.S.
Associate Registrar

OFFICE OF THE BURSAR

MAGDALENA ROSARIO, B.A.
Bursar

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Dean of Clinical Sciences

MAXINE PAUL, J.D.
Director of Clinical Relations

PURCHASING DEPARTMENT

VINCENT BOLOGNA
Director of Purchasing

IT DEPARTMENT

WAYNE WILLIAMS
University IT Director

SOCIAL MEDIA MARKETING

RYAN ROSS, B.S.
Director

UMHS, ST. KITTS ADMINISTRATION

ZENAIDO CAMACHO, Ph.D.
Dean of Basic Sciences

AYO OLUJOHUNGBE, B.S.
Director, Information Technology,
St. Kitts

NORMA ANN CELESTINE,
M.L.S., A.H.I.P.
Director of Library Services

THERESA BOESE, M.S.N., R.N.
Director of Human Simulation
Laboratories

DAN VITALO, B.A.
Vice President of Facilities

HELEN GILLANDERS, B.S.N.,
EN(G), R.N.
Campus Nurse

THOMAS J. LAST, Ph.D.
Dean of Student Affairs and
Professor of Biochemistry
and Cell Biology

DONLEY SAUNDERS
Director of Housing

CECILIA FRANCE
Campus Registrar



FACULTY

Faculty members at the University of Medicine and Health Sciences share a love of teaching. Skilled and credentialed educators, they truly believe that medical students deserve the best instructional methods, including technological tools, available today. Priding themselves on availability to UMHS students inside and outside of the classroom, they create a nurturing environment geared toward student success.

UMHS recruits its qualified faculty primarily from U.S. medical schools. Many of the faculty have also had experience at international medical schools.

ST. KITTS FACULTY*

JAMES ADEKEYE, Ph.D., D.V.M., M.S.
Professor of Microbiology

JAMES GORDON AVERY, M.D., Ch.B., F.F.P.H.D.T.M.& H.
Professor of Epidemiology and Biostatistics

TERESA BOESE, M.S.N., R.N.
Director of Human Simulation Laboratories

MARY JO CANNON, M.D., R.N.
Professor of Clinical Medicine

NORMA ANN CELESTINE, B.A.
Director of Library Services and Professor of Library Research

MICHAEL D. DOHERTY, Ph.D., M.Sc.
Professor of Neuroscience

ALAN ERNST, Ph.D., B.A.
Associate Professor of Neuroscience

STEVEN D. GARMON, M.D., M.P.H., F.A.A.P.
Associate Professor of Clinical Medicine

DAVID HERRICK, Ph.D., B.S.
Associate Professor of Immunology and Genetics

ANOOP JALAN, M.D., M.B.B.S.
Professor of Pathology

GIRISH KOTWAL, Ph.D., M.Sc., B.Sc.,
Professor of Microbiology and Biochemistry

MOHAN KUMAR, M.D., M.B.B.S.
Associate Professor of Clinical Medicine

THOMAS J. LAST, Ph.D.
Dean of Student Affairs
Professor of Biochemistry and Cell Biology

STEVEN LEWIS, Ph.D.
Professor of Physiology

THOMAS O. McCracken, Ph.D. (H.C.), M.S., M.S., B.E.
Professor of Anatomy and Physiology

NAGY MILIK, M.B.B.Ch. F.R.C.S.G., F.R.C.S.
Chair and Professor of Clinical Medicine

PRAKASH MUNGLI, M.B.B.S., M.D.
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BIRGIT NARDELL, Ph.D.
Professor of Pharmacology

LENA NILSSON, M.Sci., M.A., B.Sci.
Assistant Professor of Medical Education

EDWIN PURCELL, Ph.D.
Associate Professor of Anatomy and Embryology

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Professor of Pharmacology and Director of ARP

BICHARA SAHELY, M.D., M.B.B.S.
Clinical Assistant Professor of Medicine

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FRANK WAGNER, Psy.D., M.A., B.S.
Professor of Behavioral Science

CAMERON WILKINSON, M.D.
Clinical Professor of Surgery

FERAS YAMIN, M.D.
Assistant Professor of Anatomy

UNITED STATES FACULTY

JAMES O. PRINGLE, M.D.
Associate Dean of Clinical Science
Professor Of Clinical Medicine

DONNA THOMPSON, M.D.C.M.
Assistant Dean of Clinical Science
Professor of Clinical Medicine

CLINICAL ADJUNCT FACULTY/MAINE

JOSCAR CABATINGAN, M.D. – INTERNAL MEDICINE

KAREN EWERT, M.D. – OBSTETRICS/GYNECOLOGY

PATRICE THIBODEAU, M.D. – INTERNAL MEDICINE/PEDIATRICS

ROBERT WILHOITE, M.D. – PATHOLOGY

RICHARD KAPPELMAN, M.D.-INTERNIST



James Gordon Avery, M.D., Ch.B.,
F.F.P.H.D.T.M.& H.



David Herrick, Ph.D., B.S.



Thomas O. McCracken, Ph.D.(H.C.),M.S.,M.S.,B.E.

*UMHS is continually adding to its faculty.
Please refer to our website at
www.umhs-sk.org for a complete faculty listing.

DR. ZENAIDO CAMACHO
Dean of Basic Sciences

The University is pleased to announce the appointment of Dr. Zenaido Camacho to the position of Dean of Basic Sciences. He was the Vice Provost and Associate Vice Chancellor at the University of Colorado Denver as well as Senior Associate Dean at the University of Colorado Denver School of Medicine.

Prior to his appointment at University of Colorado Denver, Dr. Camacho served as the Vice Dean for Academic Affairs and Associate Regional Dean at Texas Tech University Health Sciences Center, in addition to holding an appointment as full professor in the Departments of Medicine and Pathology. Before his time at Texas Tech, Dr. Camacho served as the Vice President for Student Affairs at Rice University as well as Professor of Biochemistry and Cell Biology. He was the Senior Associate Dean at Baylor College of Medicine and Professor in the Departments of Pathology and Community Medicine. He also served as Assistant Dean for Student Affairs at the University of Washington School of Medicine and Associate Professor of the Division of Research and Medical Education and Associate Professor of Pathology. Dr. Camacho will be accompanied by his wife of 47 years, Carol Camacho. Together they have two adult children, Tres and Zahn.

THOMAS J. LAST, Ph.D.
Professor of Biochemistry and Cell Biology

Dr. Thomas J. Last received his Ph.D. in cell biology from the University of Massachusetts Medical Center. His B.S. in biology was received from Rensselaer Polytechnic Institute. Dr. Last was a research scientist at Matek Corporation in Massachusetts before becoming an assistant professor of cell biology and genetics at the Medical University of the Americas (MUA), Nevis. He was promoted to associate professor and then assistant dean of the basic science program at MUA. Dr. Last joined UMHS in 2009 as an associate professor of biochemistry and cell biology.

Dr. MARY JO CANNON, M.D.
Professor of Clinical Medicine

Dr. Mary Jo Cannon earned her M.D. from the School of Medicine, University of Maryland at Baltimore. She also has a B.A. in psychology from George Washington University, Washington, DC, and an Associate Degree in nursing from Montgomery College, Rockville, Maryland. Dr. Cannon's residency training was in anesthesiology at George Washington University Hospital.

Dr. Cannon worked as a level three shock-trauma designate in western Maryland prior to moving into the field of medical education. She established the Physical Diagnosis Department and implemented the clinical skills acquisition program at the Medical University of the Americas, Nevis West Indies. Dr. Cannon then became a professor of physical assessment, International University of Nursing, St. Kitts, which shares a campus with the University of Medicine and Health Sciences.



NORMA ANN CELESTINE, M.L.S., B.A., A.H.I.P.
Director of Library Services and Professor of Library Research

Professor Celestine received her M.L.S. and her B.A., with a major in Spanish, from the University of British Columbia, Vancouver, BC.

In addition to her work with the University of Medicine and Health Sciences, Professor Celestine heads the library program for the International University of Nursing, which shares the campus with the University of Medicine and Health Sciences. Professor Celestine directs all library operations, and keeps the library abreast of advances in technology, including incorporating Web 2.0, electronic resources, multimedia, digital repository functionality, and course management systems into the library services.

Prior to joining UMHS and IUON, Professor Celestine directed operations for HealthLink Services-Research Services Department, Kitchener Public Library, Kitchener, ON, and has been the assistant director of Library Services at St. Georges University, School of Medicine, Grenada, West Indies. She also has been the director of library services at Arusha International Development Resource Centre in Calgary, AB.



JAMES ADEKEYE, Ph.D., D.V.M., M.S.
Professor of Microbiology

As a microbiologist, Dr. Adekeye believes in the importance of learning strong research and diagnostic skills during the educational process. He understands the critical nature of using these educational skills in real-world practice due to his role as a research scientist in Guelph, Ontario establishing optimal conditions for minimizing microbial contamination.

Dr. Adekeye has been associated with educational organizations worldwide, including: the University of Guelph Biomedical Sciences, the Natural Sciences and Engineering Research Council (Canada) Department of Pathobiology, Ontario Veterinary College, the Center for Tropical Veterinary Medicine in Edinburgh, the Norwegian Veterinary College, the Central Public Health Laboratory in London, the Veterinary Public Health Laboratory at Kansas State University, and the Centers for Disease Control, Atlanta (CDC), where he trained in epidemiology and health administration.

Dr. Adekeye has taught as a professor of microbiology and epidemiology at a veterinary school in St. Kitts and his alma mater, Ahmadu Bello University, where he served as professor and head of pathology and microbiology and deputy dean of the faculty. He has several scientific journal publications to his credit and has served as major supervisor for several students at the master and Ph.D. levels.

After completing his Master of Science degree at Kansas State University, Dr. Adekeye began his Ph.D. course work at Kansas State. Dr. Adekeye completed his Doctor of Veterinary Medicine and Ph.D. degrees in Nigeria at Ahmadu Bello University.



ALAN ERNST, Ph.D., B.A.
Assistant Professor of Neuroscience

Dr. Alan Ernst received his Ph.D. from the University of Minnesota. His Ph.D. thesis work explored the role of nitric oxide and brain derived nerve growth factor in the development of the visual system of the chick embryo. He also has a B.A. in music from Carleton College, Northfield, MN. In addition, Dr. Ernst has done undergraduate and graduate coursework in psychology and mathematics. In 2008, he took an intensive review in neurology course at Harvard Medical School.

Dr. Ernst's research interests include plasticity of the nervous system and the cellular and molecular cues that establish appropriate patterns of neural connectivity during development of the nervous system.

Prior to joining UMHS, Dr. Ernst was an assistant professor in the anatomy department at an offshore medical school. He was a science/math teacher at the junior and senior high levels with the United Nations International School in Hanoi, Vietnam. Dr. Ernst also taught, as an assistant professor of biology and psychology, at St. Olaf College, Northfield, MN. In addition, he was an adjunct professor, teaching assistant, tutor, music therapist, and elementary school teacher.

Dr. Ernst is a member of the Society for Neuroscience. He has co-authored publications and has presented at meetings throughout the United States. When not teaching, Dr. Ernst likes traveling, foreign languages, and making music.



NAGY MILIK, M.B.B.Ch. F.R.C.S.G., F.R.C.S.
Professor of Clinical Medicine

Dr. Nagy Milik is licensed to practice medicine in the United Kingdom, Egypt, Dominica West Indies, and in St. Kitts. He received his M.B., B.Ch. in medicine and surgery from Assuit University, Egypt. He completed a variety of post-graduate appointments at teaching hospitals in the United Kingdom, leading to the degree of Fellowship of the Royal College of Surgeons, London, England (F.R.C.S.). He then received the Fellowship of the Royal College of Surgeons and Physicians of Glasgow, Scotland (FRC.S.G.).

After having received intensive training in general surgery in both the acute and cold surgical fields, Dr. Milik specialized in orthopedics. While training as an orthopedic surgeon, Dr. Milik ran the daily activities of the orthopedic unit of the Royal College of Surgeons and Physicians, Glasgow, Scotland.

Most recently, Dr. Milik was the founder, chairman, and dean, Medical International Learning Institute at St. Kitts, MILIK University. He also has been a professor at a medical school in Dominica, West Indies and professor and director of Doctor, Patient and Society at American University of Antigua (AUA), Antigua, West Indies.





GARY A. ROGERS, Ph.D.
Professor of Pharmacology

Dr. Gary A. Rogers received a B.S. in Organic Chemistry from UCLA and a Ph.D. in Bio-Organic Chemistry from the University of California Santa Barbara. Subsequently, he carried out post-doctoral research in protein biochemistry and bioenergetics at UCLA with Professor Paul Boyer, who was awarded the Nobel Prize in 1997. Dr. Rogers held faculty positions at UCLA, The University of Texas, King Faisal Medical University in Saudi Arabia and at the University of California Santa Barbara. He also lectured at Lunds University in Sweden.



GIRISH K. KOTWAL, Ph.D., M.Sc., B.Sc.
Professor of Microbiology and Biochemistry

Dr. Girish K. Kotwal began his academic career as a research and teaching assistant at McMaster University Health Sciences Center, Hamilton, Ontario, Canada. He was a visiting fellow and later became a visiting associate at the Laboratory of Viral Diseases, National Institutes of Health, Bethesda, MD and then an assistant member, Division of Molecular Virology and a member, Institutional Animal Care and User Committee, Cincinnati, OH.

Dr. Kotwal became an assistant professor and then an associate professor at the Department of Microbiology and Immunology, University of Louisville School of Medicine. He was a senior International Wellcome Trust fellow for biomedical sciences in South Africa and professor and chair of medical virology at the University of Cape Town. Most recently, he became a professor, Department of Pharmaceutical Sciences, Sullivan University College of Pharmacy before joining UMHS.

Dr. Kotwal earned a Ph.D. in Biochemistry from McMaster University. His Bachelor of Science in Chemistry, Bachelor of Science in Microbiology, and Master of Science in Medical Biochemistry degrees were earned from Bombay University, Mumbai, India.



MICHAEL D. DOHERTY, Ph.D.
Professor of Neuroscience

Dr. Michael Doherty received his Ph.D. from McGill University, Montreal, Quebec, Canada. His M.Sc. is also from McGill University, and his B.A. is from Concordia University in Montreal.

Prior to joining UMHS, Dr. Doherty was chair of the Neuroscience Department at the Medical University of the Americas, Nevis, West Indies. Dr. Doherty also has taught at Weill Medical College of Cornell University in New York, and he was an instructor in the Science Outreach Program in New York City, a program for elementary, middle school, and high school students.

Dr. Doherty was a postdoctoral researcher in the Department of Neurobiology/Neuroscience at Weill Medical College. He did postdoctoral research at Rutgers University in New Jersey, and he was a postgraduate research assistant, Departments of Psychiatry and Neurology at McGill University.

DAVID HERRICK, Ph.D., B.S.

Associate Professor of Biochemistry and Molecular Biology

With more than 30 research publications to his name, Dr. Herrick brings his research and medical education skills to UMHS. Dr. Herrick was an assistant professor of pediatrics at the University of Pennsylvania School of Medicine. He then became a research assistant professor, Department of Anatomy, at the University of Pennsylvania School of Dental Medicine. Most recently, Dr. Herrick was a research associate professor, Department of Dermatology and Cutaneous Biology, at Thomas Jefferson University in Philadelphia, PA.

Dr. Herrick received his Ph.D. in molecular genetics from the University of Massachusetts Medical School and his B.S. in biology from Windham College in Vermont. He was a post-doctoral research fellow and then a research associate at the McArdle Laboratory for Cancer Research at the University of Wisconsin.

BURTON L. HERZ, M.D., FACS, FACG

Dean of Clinical Sciences

Dr. Burton L. Herz joined the University of Medicine and Health Sciences in August 2010 as the Dean of Clinical Sciences. Dr. Herz comes to us from the Sound Shore Medical Center of Westchester in New Rochelle, New York where he was chairman of Surgery Emeritus and Director of Graduate Surgical Education. For the past 17 years Dr. Herz was Chairman of the Department of Surgery at Sound Shore Health System. As Program Director for the General Surgery Residency Program, he was responsible for the coordination of the Residency program. Dr. Herz was responsible for the overall direction of the program, curriculum development, and compliance with both New York State and the American Board of Surgery.

As one of the founding members and president of a 140 physician multispecialty in Brooklyn, Dr. Herz worked as the Director of Surgery for 20 years. He has also served as Professor of Clinical Surgery at New York Medical College, Governor of the American College of Surgeons, Former Associate Dean of the New York Medical College, Director of Medical Education & Professor of Surgery at St. George's University School of Medicine.

PINAKINI K. SHANKAR, M.D., M.B.B.S.

Professor of Pharmacology

Dr. Pinakini K. Shankar received her Doctor in Medicine (M.D) in Pharmacology from Kasturba Medical College, Manipal University, Manipal, India. She also earned a Bachelor of Medicine and Bachelor of Surgery (M.B.B.S.) from JSS Medical College, Mysore University, Mysore, India.

At the beginning of her medical education career, Dr. Shankar was an assistant professor, then associate professor at the Department of Pharmacology, Kasturba Medical College, Manipal India. She also was an associate professor, course director at Department of Pharmacology at the American University of Antigua School of Medicine, Antigua, West Indies.

In her most recent position prior to joining UMHS, Dr. Shankar was an associate professor and course director, Department of Pharmacology and Clinical Therapeutics, St. Matthews University College of Medicine, Grand Cayman Island, where she taught, evaluated, and mentored students in preparation for the USMLE.

Dr. Shankar has been instrumental in initiating and serving as the principal investigator for phase III clinical trials. She also has research publications in reputed indexed medical journals and is an author for Cochrane reviews. Dr. Shankar has been a guest lecturer and presented at a variety of conferences and symposia.



DONNA THOMPSON, M.D.C.M.
*Assistant Dean of Clinical Science,
Professor of Clinical Medicine*



Dr. Donna Thompson is a member of the American Board of Internal Medicine. She graduated from Colby College, Waterville, Maine, Phi Beta Kappa. Dr. Thompson then received her M.D.C.M. from McGill University College of Medicine, Montreal, Canada. Her internal medicine residency was completed both in Canada and at the Maine Medical Center, Portland, Maine. That was followed by a clinical fellowship in oncology and then a research fellowship in oncology at the Maine Medical Center.

Dr. Thompson's extensive medical background includes positions as the director, Division of Oncology and chief, Department of Medicine at Central Maine Medical Center. She also was director, Cancer Research Program at the Foundation for Blood Research, Lewiston, Maine.

Dr. Thompson's medical education background is just as extensive. She was an assistant in medicine at Tufts University, Boston, Massachusetts, an instructor, Biology of Cancer at the University of Southern Maine, and a clinical preceptor and associate professor, Department of Pharmacology at St. Matthews University School of Medicine in Grand Cayman, West Indies. She has been an associate professor, Preclinical Medicine and director, Introduction to Clinical Medicine, as well as the chief of clinical medicine, Preclinical Sciences at St. Matthews.

STEVEN D. GARMON, M.D., M.P.H., F.A.A.P.
Assistant Professor of Clinical Medicine



Dr. Steven Garmon is a board-certified general pediatrician and Fellow of the American Academy of Pediatrics. He completed his undergraduate work at Oberlin College in Oberlin, Ohio in 1988 with a Bachelor of Arts degree in Chemistry. Dr. Garmon was an Ohio Board of Regents Fellow and went on to receive his M.D. from Case Western Reserve University School of Medicine in Cleveland, Ohio in 1992. Dr. Garmon's pediatric internship and residency were completed at the University of Florida Health Science Center (University of Florida) in Jacksonville, Florida in 1995, where he was recognized as Best First Year Continuity Clinic Resident and received a Golden Apple Senior Resident Teaching Award.

Dr. Garmon worked as an Urgent Care and Primary Care Pediatrician at Children's Health care of Atlanta (formerly Egleston Children's Hospital) from 1995 to 2000 and then worked as an attending physician in private practice with various Atlanta community physicians from 2000 to 2004.

Because his passion is HIV/AIDS prevention and education, Dr. Garmon completed a three month internship in Cape Coast, Ghana, West Africa, from September to December 2009 educating communities about the disease.

Dr. Garmon's goal at UMHS is to help bridge the relationship between the St. Kitts community and the medical school. He also wants to work with medical students in building their confidence and integrating their basic science knowledge into clinically relevant skills that will serve them and their future patients well.

JAMES O. PRINGLE, M.D.
Associate Dean of Clinical Science
Professor of Clinical Medicine

Dr. James Pringle is a board certified urologist. He completed his undergraduate work at Pennsylvania State University. He received his M.D. from Case Western Reserve University in Cleveland, OH. Dr. Pringle subsequently earned a Harvard/Macy certificate in Graduate Medical Education. His general surgery residency was completed at University Hospital, Cleveland, OH, and his urology residency was completed at McGill University, Montreal, Canada.

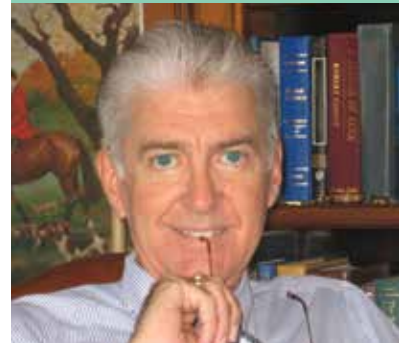
Dr. Pringle resides in Maine and has an extensive record in medical education in the state of Maine. In particular, Dr. Pringle has worked with St. Matthews University College of Medicine, Portland campus, as a professor, associate dean, chairman of the Admissions Committee, and dean of pre-clinical sciences. During his tenure with St. Matthews University, Dr. Pringle won many teaching awards. In addition, Dr. Pringle has had a successful private practice in urology. He also has been the chief, Division of Urology, Mercy Hospital, Portland, Maine and Clinical Instructor of Surgery at the University of New England.

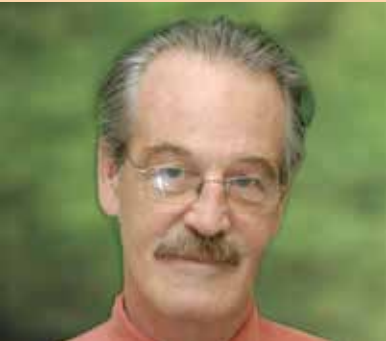
DR. FRANK WAGNER, Psy.D., M.A., B.S., B.B.A.
Chair and Professor of Behavioral Science

Dr. Frank Wagner is an experienced medical educator and administrator. For 23 years, Dr. Wagner served as a senior administrator in mental health and substance agencies that provided clinical education to social work, psychology, and graduate-level students.

Dr. Wagner came to the International University of Nursing (IUON) after holding the position of associate dean of student affairs at an international medical school. At IUON, Dr. Wagner was dean of student services, where he focused on serving student, community, and government constituencies. He was instrumental in developing student leadership, implementing judicial affairs, and developing programs that brought cohesiveness to the student body.

In 2008, Dr. Wagner became the assistant provost at UMHS. He played a key role in the introduction and expansion of the UMHS medical education program. Dr. Wagner earned his Psy.D. from the International University for Graduate Studies. He has an M.A. in clinical psychology from Goddard College, Plainfield, Vermont, and a B.S. in psychology from Loras College, Dubuque, Iowa. He also received a B.B.A. in management from Northwood Institute in Midland, Michigan.





THOMAS McCracken, Ph.D. (H.C.), M.S., M.S., B.E.
Professor of Anatomy and Physiology

An internationally known medical illustrator, Professor McCracken brings his unique and exciting expertise in 3D computer imaging to the UMHS anatomy and physiology classes. The use of computer imaging greatly enhances the teaching component of the University's anatomy and physiology classes.

Professor McCracken received an M.S. in anatomy and physiology from the University of Michigan, and he received another M.S. from the same institution in biomedical illustration. His B.E. is also from the University of Michigan in biology and education.

Professor McCracken has illustrated over 200 journal articles and textbooks during his career. He was also involved in a National Institute of Health project to construct three dimensional interactive computer models which are used by most medical schools in the United States.

Prior to joining UMHS and its sister nursing school, IUON, Professor McCracken taught at Colorado State University and the King Faisal Specialist Hospital and Research Center in Saudi Arabia.

Professor McCracken is a member of the American Association of Anatomists, the American Association of Clinical Anatomists, the Association of Medical Illustrators, the Federation of American Societies for Experimental Biology, and the Health Science Communication Association.



BIRGIT NARDELL, Ph.D.
Professor of Pharmacology

Dr. Birgit Nardell has an extensive medical education background. For many years, Dr. Nardell held positions in pharmacology, physiology, cell biology, and behavioral science at a Caribbean medical school. Prior to that, Dr. Nardell was an associate professor of pharmacology/physiology at the University of Nevada, Las Vegas, NV. While there, she also taught biological chemistry, pharmacology, pathophysiology, and anatomy/physiology. Dr. Nardell began her teaching career at the University of Maryland, Dentistry and Medicine, Baltimore MD, as an assistant professor of physiology and pharmacology. In addition, Dr. Nardell has held adjunct appointments since 2004 at the University of Maryland and a Caribbean medical school.

Dr. Nardell earned her Ph.D. in physiology/pharmacology from the University of Maryland, College Park, MD. Her courses in clinical pharmacology were completed at the Johns Hopkins University School of Medicine. Dr. Nardell received her M.S. in pharmacology/microbiology from the University of Maryland, and she earned her B.S. in physiology (zoology) from the University of Illinois.

As a consultant, Dr. Nardell has worked with Children's Hospital, Division of Pediatric Dentistry Oral Aspects of AIDS in Children (OACC) in Los Angeles, CA. She also was a consultant physiologist with NIH, National Institutes of Dental Research, in Rockville, MD. Dr. Nardell has published articles in journals such as *Osteopathic Annals*, *Journal of Dental Education*, and *Journal, Baltimore College of Dental Surgery*.

ANOOP KUMAR JALAN, M.D., M.B.B.S.
Professor of Pathology

Dr. Anoop Kumar Jalan earned his Doctor of Medicine degree in Pathology from the Kasturba Medical College, Deemed University in India. He received his M.B.B.S. degree from J.J.M. Medical College, Davangere, Kuvempu University, Karnataka, India.

At the beginning of his medical education career, Dr. Jalan was a tutor in pathology and a tutor in microbiology at Kasturba Medical College, Manipal, India. He also conducted basic laboratory sessions in medical microbiology for medical and dental undergraduates as well as reporting histopathology, cytology, and haematology specimens under supervision. While in Nepal, Dr. Jalan was actively involved in independent reporting of histopathology cytology and haematology specimens at Manipal Teaching Hospital, Manipal College of Medical Sciences, Nepal. Dr. Jalan also worked at SABA University School of Medicine, Saba Dutch Caribbean, as an associate professor of pathology.

Immediately prior to joining UMHS, Dr. Jalan was Chair, Department of Pathology and Microbiology, St. Eustatius School of Medicine, St Eustatius, Netherlands Antilles as a professor of pathology. In addition to his teaching responsibilities, Dr. Jalan was the course director for Pathology I and II, head of the Student Grievance Committee, head of the Curriculum Committee, and faculty advisor for the American Medical Student Association (AMSA).

EDWIN S. PURCELL, Ph.D.
Associate Professor of Anatomy and Embryology

Dr. Edwin S. Purcell earned a Ph.D. in Anatomy from the University of Kansas Medical Center, Kansas City, KS. He received his Master of Arts in Physiology and his Bachelor of Arts in Biology from the University of Kansas, Lawrence Kansas. Dr. Purcell also has an Associate and Bachelor of Arts in Psychology from Monmouth College, West Long Branch, New Jersey.

Dr. Purcell's extensive medical education background has included his work as an instructor of biological sciences at Santa Fe Community College, Santa Fe, New Mexico. He moved on to become a graduate teaching assistant, Department of Anatomy and Cell Biology at the University of Kansas Medical Center, Kansas City, Kansas. He then became an instructor of biological sciences at Johnson County College, Overland Park, Kansas, followed by work as an adjunct instructor and research assistant at the University of Kansas Medical Center. He then worked as director of medical neuroscience and associate professor of basic medical science at the University of Missouri-Kansas City School of Medicine, Kansas City, Missouri and his work as director of neuroanatomy, co-coordinator of the neurosensory system and associate professor of anatomy, Lake Erie College of Osteopathic Medicine, Erie, Pennsylvania. He also has been an associate professor of anatomy at the University of Osteopathic Medicine and Health Sciences, Des Moines, Iowa. Just prior to joining UMHS, Dr. Purcell was an associate professor of anatomy at A.T. Still University, Kirksville, Missouri.

Dr. Purcell has been a member, State Anatomical Board, State of Missouri, a medical board review instructor, Northwestern Learning Center, and Director, Medical Applications to Science and Health and an associate professor, Post Baccalaureate Program, Lake Erie College of Osteopathic Medicine. He is a member of the following professional organizations: Association for Applied Psychophysiology and Biofeedback, Sigma Xi, Society for Neuroscience, and the Psychoneuroimmunology Research Society. He has published numerous articles and abstracts throughout his career.



ACADEMIC POLICIES

The University of Medicine and Health Sciences publishes the *UMHS Student Handbook of Policies and Procedures* each semester. The *UMHS Student Handbook* supersedes information provided in this catalog, and the *UMHS Student Handbook* information on academic policies is binding upon all students. It is the responsibility of the student to be aware of all regulations contained in the *UMHS Student Handbook* and any changes or modifications. Only a brief overview of academic policies and procedures is contained in this publication.

REGISTRATION OF NEW STUDENTS

All students must register for classes in person each semester prior to the start of classes. Any specified documentation upon which the student's admission is contingent must be on file at that time. If essential documentation is not provided, the student will not be permitted to register and may be administratively withdrawn.

Registration is not complete and enrollment is not official until tuition and fees are paid in full. Failure to make scheduled payments or arrange payments through the Office of the Bursar when due will result in cancellation of the student's registration. It is the student's responsibility to ensure that payment is received in the Bursar's office by the established due dates announced each semester. Questions regarding tuition and fees, payments, returned checks, late fees, refunds, etc. should be directed to the UMHS Office of the Bursar.

Students who register after the first day of class are responsible for all prior materials and assignments presented in class. No student will be allowed to register after the close of registration which is typically at the end of the first

week of classes. Students arriving after that time will be required to register for the subsequent semester.

GRADING

Basic Science Program: A passing grade of 70% (equivalent to a grade of C) is required in all courses. Any grade below 70% is considered failing (equivalent to a grade of "F"). Students must maintain a minimum cumulative grade point average of 2.0 in order to make satisfactory academic progress. Students who receive a grade of "F" in any course will be placed on academic probation. Failure to pass a repeated course with a grade of "C" or better is grounds for dismissal from the medical program. Students may not take more than six semesters to complete the Basic Science Program.

	EQUIVALENT	
GRADE	GRADE	GPA
A	90% or above	4.0
B	80%–89%	3.0–3.9
C	70%–79%	2.0–2.9
F	0%–69%	0.0
I	Incomplete	0.0
W	Withdrawn	0.0

Clinical Science Program: Evaluations during the Clinical Science Program segment of the curriculum include an assessment not only of the student's mastery of course objectives, but also the characteristics considered desirable in a good physician. These include problem solving ability, industry, reliability, judgment, interpersonal relationships, professional skills, and motivation. Students who receive a failing grade in any required or elective clerkship are subject to dismissal.

Failing Grade: A student who receives a failing grade "F" in any course must repeat the course and receive a passing grade

in order to progress. Every effort is made for the student to repeat the course the next term. A course for which an "F" is awarded is included in the term GPA and cumulative GPA.

Incomplete Grade: An incomplete grade "I" signifies that not all required coursework was completed during the term of enrollment. The "I" grade is not calculated into the term GPA or the cumulative GPA at the time it is awarded.

All required coursework must be completed on or before the first day of classes of the subsequent term. Students with incomplete grades will not be permitted to register for the next term until all requirements have been satisfied. If course requirements are not satisfied by the deadline date, the "I" grade will be changed to an "F".

COMPETENCY EXAMINATIONS

Course Examinations: With the exception of students on an approved leave of absence, all students are expected to sit for scheduled examinations. Students unable to do so by virtue of illness must present documentation that they were under the care of a physician at the time of the examination. The form of the make-up examination will be at the discretion of the course instructor. In lieu of a make-up examination, the individual instructor may elect to average all of the students other examinations in the course and use the averaged examination score in place of the missed examination.

Shelf Examinations: UMHS has been approved by the National Board of Medical Examiners to administer the on line shelf examinations in St. Kitts. Shelf examinations are integrated into the Basic Science Program and are offered as final examinations in many of the courses.

ACADEMIC POLICIES

These examinations are, in essence, mini USMLE examinations as they use a similar type and style of questions.

USMLE: To enter into UMHS clinical rotations, students must successfully complete and pass the USMLE Step 1. This examination is taken between semester 5 and the start of semester 6. To receive a diploma from UMHS, students must complete the USMLE Step 2 which consists of two parts: Clinical Skills (CS) and Clinical Knowledge (CK). These examinations are usually taken after completing the core clinical clerkships. USMLE Step 3 is the final step for licensing and is taken after graduation and during or at the completion of residency training.

ECFMG: In order to be licensed to practice medicine in the United States, graduates must be certified by the Educational Commission for Foreign Medical Graduates (ECFMG). To be certified by ECFMG, students must pass the USMLE Step 1 and Step 2 CS and CK.

STUDENT PROGRESS

Attendance: Attendance is mandatory for 80% of all classes and 100% of all labs and clinical clerkships. Unavoidable and/or unexcused absences are addressed on a case-by-case basis. However, excessive lateness or absence from a course may result in a failing grade. Students who require an extended absence from class may request a Leave of Absence (emergency or academic).

Basic Science Program - Satisfactory

Academic Progress: Student academic progress is considered satisfactory if the student has passed all courses, course examinations, and shelf examinations within the allotted timeframes. A minimum GPA of 2.0 must be maintained for each semester, and a cumulative minimum GPA

of 2.0 must be maintained throughout the academic program. Failure to do so will result in Academic Probation. A minimum of “C” is required in all courses. Students receiving an “F” in any course are eligible to repeat that course one time only. Failure to pass a repeated course with a grade of “C” or better is grounds for dismissal. The student must also have adhered to all UMHS rules and regulations and be current with all financial obligations.

Clinical Science Program — Satisfactory

Academic Progress: Progress in the Clinical Science Program is considered satisfactory if the student has passed the USMLE Step 1 and successfully completed all clinical rotations within the allotted timeframes. The student must also have adhered to all UMHS rules and regulations, and remained current with all financial obligations.

ACADEMIC PROBATION

A student who receives a failing grade in any course during the Basic Science segment will be placed on academic probation for the following term. If the student successfully passes the course(s) in the probationary term and the student's cumulative GPA is 2.0 or greater, the probation designation will be lifted. However, any subsequent failure in a repeated course or during a probationary term will be considered grounds for academic dismissal. Students with cumulative grade point averages below 2.0 will remain on Academic Probation until the student's GPA reaches or exceeds 2.0.

During the clinical science portion of the curriculum the student will be placed on probation if a failing grade is received in any required or elective rotation. A student who fails a repeated rotation will be academically dismissed.

NON-ACADEMIC DISMISSAL

Violations of UMHS regulations, Code of Ethics, or legal expectations may constitute cause for dismissal. These type of violations will be adjudicated under the procedures outlined in the *Student Handbook* under “Non-Grade Grievances.” Such information will be listed on the academic transcript.

ACADEMIC DELAYS AND ABSENCES

In rare cases, circumstances may require the deferral or interruption of attendance in the educational program. UMHS will work with a student who needs to delay or suspend enrollment. Deferrals are limited in length of time and may affect student financial aid. Please consult the *Student Handbook* for more information regarding leaves.

Academic Leave of Absence: Academic Leave of Absence is a temporary interruption in a student's education for a specific period of time. An approved Academic Leave of Absence may not exceed 180 days. Students may only take one leave of absence per calendar year.

Emergency Leave of Absence: An Emergency Leave of Absence is a temporary interruption in a student's education for a specific period of time. An approved Emergency Leave of Absence is generally no longer than two weeks. Students who fail to return from an approved leave will be administratively withdrawn from UMHS.

Unauthorized Leave of Absence: An Unauthorized Leave of Absence is a leave that has not been approved by UMHS. In this case, UMHS reserves the right to administratively withdraw the student. Should that happen, the student must re-apply to UMHS.

WITHDRAWALS

Student Withdrawal: Students who withdraw from UMHS must reapply for admission. Readmission is solely at the discretion of UMHS, and readmission is not guaranteed. Students, who are readmitted to UMHS, will be required to adhere to all tuition policies/rates and all academic policies that are in effect at the time of re-admittance. Any loan originators will be notified of such a withdrawal, and the student will be responsible for any financial obligations resulting from such a withdrawal.

Administrative Withdrawal: UMHS may withdraw a student who fails to register for classes or return to campus. The effective date of withdrawal will be the last day the student attended classes. Any loan originators will be notified of such a withdrawal, and the student will be responsible for any financial obligations resulting from such a withdrawal.

CODE OF ETHICS

The honorable profession of medicine requires students to behave appropriately at all times. Students must comply with professional standards of medicine in both personal and professional aspects of life in order to maintain a professional learning environment during enrollment at UMHS. Students are expected to function within the framework of the American Medical Students Association Code of Ethics which is contained in the *Student Handbook*.

LIABILITY POLICIES

Policy on Hazing: No student in attendance at UMHS shall conspire to engage in hazing, participate in hazing, or commit any act that causes, or is likely to cause, bodily danger, physical harm, or personal degradation or disgrace resulting in physical or mental harm, to any fellow student.

Violation of this policy may result in disciplinary action against the student who is alleged to have committed the act as well as the student organization which allowed the act to be committed. Such acts may also violate the laws of St. Kitts and, as such, may result in criminal sanctions as well. All students, as part of their registration process with UMHS, St. Kitts campus, shall be required to submit an attested acknowledgment stating that they have been informed of the policy and understand its implications and further agree not to engage in hazing activities.

Policy on Sexual Harassment: UMHS considers sexual harassment, in all its forms, to be a serious offense and one that is subject to a range of actions up to and including suspension or dismissal. Sexual harassment by students, faculty or staff is a violation of UMHS policy and is prohibited under Title VII of the Civil Rights Act of 1964, as amended, and Title IX of the Education Amendments of 1972.

Policy on Alcohol and Drugs: The unlawful possession, use, or distribution of alcohol and/or illicit drugs on any institutional property is prohibited. Students, who believe they have a drug or alcohol problem, may contact a University counselor for confidential assessment, counseling, or referral for treatment.

DISCIPLINARY ACTIONS

If student behavior necessitates disciplinary action, students may be suspended or dismissed by the dean. Students have a right to appear before the grievance committee on issues that give rise to disciplinary action. The committee makes a final determination and provides their recommendation to the dean. This may occur due to academic or non-

academic violations, including criminal action or failure to meet academic or ethical standards. Suspended or dismissed students will receive written notification of the reason for such action. Suspended students will be informed of any available options for reinstatement. Dismissal decisions may be appealed. Suspensions or dismissals may affect student aid.

GRIEVANCE POLICY

UMHS expects students, faculty, and administration to be responsible for maintaining personal, professional, and institutional standards in order to bring a positive reflection upon themselves, the school and the medical profession. To that end, faculty, students, and administration are responsible for reporting any allegation to the dean. Such reports must be in writing (signed and dated by the person making the report or allegation) and should describe the nature and specifics of the alleged conduct and the code or standard believed to have been violated. Violations of, but not limited to, the following may be reported:

- Academic integrity and professional standards as set forth in the respective sections of the *UMHS Student Handbook*.
- American Medical Students Association Code of Ethics and/or UMHS policies. If a hearing is requested, the Hearing Procedure in the *Student Handbook* will be followed.

It is the goal of UMHS that your time as a student be educational and enjoyable. If a student believes they have been treated unfairly or have a complaint, they should follow the procedures outlined in the *Student Handbook*. It is our commitment to all students that any concerns will be addressed in a timely manner.



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LIFE

CAMPUS LIFE

The University of Medicine and Health Sciences campus has a vibrant atmosphere, evoking a collegial environment. The students, faculty, and staff members are all dedicated to medical education. The faculty maintains open office hours to support students. Campus facilities, such as the Library and Learning Resource Center, are open for extended periods to provide quiet study areas.

STUDENT BODY

The student body at UMHS is diverse. It is a mix of ages, backgrounds, genders, and religious beliefs. Everyone, however, shares at least one thing in common – the desire to become a professional physician. By dedicating themselves to this purpose, students will find themselves in a rewarding and enriching peer group. Although aggressive in pursuit of their medical degree, when time permits, students take time to enjoy what life

has to offer, including the beauty of St. Kitts and the unique opportunity to live and study in another culture.

AIR TRAVEL

Getting to Campus: St. Kitts is located in the eastern Caribbean. Renowned as an island resort, St. Kitts is easily accessible from New York, Miami, Puerto Rico, and other major airports. The major St. Kitts airport is Robert Llewellyn Bradshaw International Airport (airport code SKB), which is located about three miles northeast of Basseterre, the capital of St. Kitts.

Accepted students are responsible for booking their airfare; however, UMHS recommends that students work with the UMHS designated travel agent, Tom Backer at Austin Travel (631-465-1000). Because Austin Travel negotiates volume discounts with American Airlines, it

may be possible to get the best airfare by booking with them.

It is important that UMHS know the student's itinerary as soon as possible to ensure that a University representative meets each student at the airport.

Leaving Campus: When leaving St. Kitts via air, there is a \$22.00 U.S. departure tax that must be paid at the airport prior to boarding the airplane.



WHAT TO CARRY ONBOARD WITH YOU

Carry your laptop/tablet computer with you. Do not pack the computer, cables, or accessories in your checked luggage.

UMHS also recommends that you bring any medications, personal care items such as eye glasses, contact lens solutions, toothbrush/toothpaste, shampoo, and 1 or 2 days change of clothing.

Students arriving in St. Kitts should have enough funds to cover their first month's expenses regardless of the amount of financial aid expected for disbursement.

All students are required to have a valid passport when they arrive in St. Kitts in order to gain admission into the country. They will present this to an immigration officer at the airport upon arrival.

Since students will be at the campus longer than 3 months, the Government of St. Kitts requires students to have a student visa. All visa documentation must be provided to the UMHS post-acceptance director prior to the student's arrival in St. Kitts.



WHAT TO PACK

Airline luggage requirements and costs vary by airline. Accepted students should be sure to check the airline website to ensure they are following the most current rules and regulations — especially concerning the weight of each suitcase and the number of bags allowed by each airline.

Luggage Tags: Be sure to have identifying tags on each piece of carry-on and checked luggage. There should be at least one tag on the outside of the luggage and at least one tag on the inside of each piece of luggage. The luggage tag should state the student's name and the UMHS St. Kitts address: UMHS Campus, St. Kitts.

Clothing: UMHS recognizes that island living and tropical temperatures are conducive to casual dress; however, the University expects medical students to maintain a professional image at all

times. Clothing should be lightweight, comfortable, and easy to wash. It is recommended that students bring sneakers, sandals, and close-toed shoes. Rain gear, including lightweight rain coats and umbrellas, is recommended. Classrooms, the library, and some laboratories are air conditioned, so light sweaters or jackets are also recommended.

Plan to bring two lab coats or two sets of scrubs for anatomy lab. If you are buying lab coats, you should purchase a long coat for use in the anatomy lab and a short lab coat for the White Coat Ceremony.

University Dress Code: In non-clinical and classroom settings, clothing may be casual but should be reflective of a professional image. Street clothing should be neat and clean. Shorts and T-shirts are allowed, but miniskirts, bare midriffs, and low-cut blouses are not. When wearing a lab coat, street clothes should extend below the lab coat.



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While in a clinical setting, it is the expectation that the student physician will wear clothing appropriate to the clinic setting. For men, this includes dress shirt and tie, long slacks, and leather close-toed shoes with socks. For women, business dresses, skirts and blouses, or pantsuits are acceptable, but the length of dresses and skirts must be appropriate to a clinical setting. Minimal jewelry may be worn; however, multiple rings, dangling bracelets, and necklaces are unacceptable. Only one earring per lobe may be worn.

Other Items to Consider Bringing:

Students recommend that the following items be brought with you to the St. Kitts campus.

Calculator	Dress Clothes/shoes
Hair dryer	Laundry bag
Playing cards	Shampoo/
Spare eyeglasses	Conditioner
Camera/film	Toiletries
Hobby items	Envelopes
Reading books	Market bag
Spare sunglasses	Snorkel/Mask/Fins
Combination lock	Umbrella
Insect repellent	Waterproof watch
Sewing kit	
Surge Protector	

Please note that the Government of St. Kitts does not allow certain medications to be shipped or mailed into the federation, but it does allow an individual to carry the medication into the country with proper documentation. We urge students to contact the Dean of Student Affairs for additional information.

What NOT to Bring: It is a University policy that pets are prohibited on campus. Since most landlords do not allow pets, students are strongly encouraged not to bring a pet with them to St. Kitts.

From a cost perspective, and for student safety and security, expensive items such as jewelry, stereo systems, etc. should not be brought to St. Kitts. Additionally, it is not worth the risk of having expensive items lost or stolen.

CUSTOMS

International laws apply on St. Kitts with regard to importation of luxury items. Cigarettes, alcohol, bicycles, TVs, stereos, etc. will be taxed at the current duty rate used for shipping bulk items. Tropical Shipping requires that the items be shipped to their Miami location. Items are then sent weekly to St. Kitts via cargo ship.

SHIPPING ITEMS TO ST. KITTS

Items may be shipped to St. Kitts; however, it may be more convenient to purchase forgotten items after arrival. Apartments are furnished, so there is no need to send furniture to St. Kitts.

To ship items to St. Kitts, students may use the U.S. Postal Service, Federal Express, United Parcel Service (UPS), DHL or Amerijet International Inc. which flies once a week from Miami (305-593-2997). Tropical Shipping (800-367-6200) may be used for shipping bulk items. Tropical Shipping requires that the items be

shipped to their Miami location. Items are then sent weekly to St. Kitts via cargo ship.

When shipping items to UMHS through U.S.P.S. students should use the following address:

The University of Medicine and Health Sciences
P.O. Box 1218
Basseterre, St. Kitts

When shipping items to UMHS through UPS, DHL, or Federal Express, students should use the following address:

The University of Medicine and Health Sciences Campus, St. Kitts

EVENTS

New Student Orientation: Students coming to the University of Medicine and Health Sciences for the first time are required to attend the New Student Orientation. This occurs several days prior to class registration. This gives students time to learn about the campus, meet fellow classmates, obtain information on student services, and enjoy a bit of island life. New Student Orientation includes seminars to help students become familiar with their unique living environment.





The University president and provost kick off the orientation program and provide a detailed campus tour and an introduction to the faculty. Included in the orientation are a variety of special presenters who provide information on such topics as housing, safety and security, banking, registration, financial aid, visa and immigration, and an orientation to the library/learning resource center.

During orientation week several events are planned to help students acclimate to their new environment including a first semester party, a catamaran/snorkeling trip for students and faculty, and a tour of Basseterre.

White Coat Ceremony: First semester students are welcomed into their clinical studies at the White Coat Ceremony. The ceremony includes a formal cloaking of students in their white coats to signify their journey toward a medical career. Students should have a short white lab coat to put on during the ceremony.

Fourth Semester Banquet: Fourth semester students participate in a banquet that signifies student accomplishments as they complete their Basic Science Program and get ready to return to the U.S. At this time, student accomplishments are recognized and teaching awards are handed out.

HOUSING

The University of Medicine and Health Sciences maintains a housing department on the St. Kitts campus. The Housing Department helps students identify and secure the right accommodations to suit each individual's needs.

Housing Department: The UMHS Housing Department's hours of operation are Monday through Friday, 8:00 am to 4:00 pm Atlantic Standard Time. Housing representatives may be reached by phone at 869-466-1057, ext 126.

Off-Campus Housing: All UMHS students live off-campus during their time in St. Kitts. There are many apartments near the University. Apartments are fully furnished, so students only need to bring bedding, towels, personal items, and clothing.

Student Housing Requirements: Because there are several schools in St. Kitts whose students are vying for apartments, UMHS requires students to secure housing prior to their arrival in St. Kitts. UMHS requires students to live in their selected apartment for a minimum of one semester. This requirement gives students time to acclimate to their surroundings and to meet other students. It also provides landlords ample time to re-rent an

apartment at the end of a semester.

Housing Database: UMHS maintains a student housing database. Access to the database is via the Internet and a username/password is provided in the student's Welcome Package or provided by the Housing Department. There are a wide variety of rental units to fit every budget and every need. The database includes descriptions of the property, rental price, proximity to school, and amenities. The housing database is shared with the International University of Nursing (IUON).

Making Your Housing Selection:

While there are many housing options near campus, students choosing to live further from campus may find it necessary to buy or lease a used car. That should be considered when determining a budget. Once an apartment is selected, the student should immediately contact the Housing Department.

The Housing Department will verify with the landlord if the unit is available. If it is available, the Housing Department will immediately email the student a housing deposit form to be completed.

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To secure the apartment, UMHS will pay the landlord the security deposit on behalf of the student. Students must send the deposit form and the required security deposit to UMHS. It is recommended that the payment be made with a money order or certified bank draft. The deposit and form should be sent to:

University of Medicine and Health Sciences, St. Kitts
North American Administrative Office
460 West 34th Street
New York, NY 10001
Attn: Office of the Bursar

No apartment is considered to be rented until UMHS receives the deposit form and the required security deposit. If a personal check, rather than a certified bank draft or money order is sent, the check must clear the bank and the money be deposited in UMHS accounts prior to UMHS notifying the landlord.

Roommates: Students interested in finding a roommate should notify the UMHS St. Kitts Housing Department. With student permission, the Housing Department will share contact information

so students may talk with each other prior to deciding to room together. UMHS provides this service as a courtesy and is not responsible for roommate selections.

Pets: Pets should not be brought with you to St. Kitts. Pets are not allowed in most of the housing in St. Kitts. There are strict government regulations pertaining to the importation of pets into St. Kitts.

CAMPUS SUPPORT SERVICES

On campus support services at UMHS are available to help counteract academic concerns, poor health, stress, or other problems that may negatively impact a student's educational process.

Academic Advisors: Each student is assigned an academic advisor. The advisor's role is to provide educational support and guidance and to help students determine future career goals.

Medical Health Care: The UMHS Health Care Clinic is staffed with a registered nurse who provides University members with care or referral for additional medical services.

St. Kitts has health clinics located throughout the island. The main hospital in St. Kitts is the Joseph N. France General Hospital in Basseterre.

Every student is required to maintain health insurance coverage, as well as emergency evacuation insurance which is used to transport an ill student to the closest U.S. hospital.

Mental Health Care: The mental and physical health of UMHS students and faculty is of vital importance. There is a counselor available to students on the UMHS campus. Referral to appropriate mental health care providers would occur if additional intervention is required.



CAMPUS SAFETY

Student safety and security is of great importance to the University of Medicine and Health Sciences. There is an on-campus security office with staff available to assist with any questions or concerns 24 hours a day, 7 days a week. Students are required to obtain a University identification card when they first register for classes. Students must show their identification card to enter the campus, and the card must be visible on the student at all times while the student is on campus.

According to the Ministry of National Security in St. Kitts-Nevis, the islands have relatively little crime. UMHS community members should always exercise normal precautions just as they would in their home town. It is important to be aware of local surroundings and not leave valuables unattended.

SPORTS AND RECREATION

St. Kitts is known for its breathtaking natural beauty, crystalline waters, soft sandy beaches, tropical forest areas, and a spectacular dormant volcano. St. Kitts offers something for everyone to enjoy.

Sports: There are a wide range of outdoor activities available, including water-based sports such as snorkeling, scuba diving, and sailing.

The island has a golf course, and there are facilities for basketball, tennis, cricket, and other outdoor sports. St. Kitts is a perfect setting for hiking, where opportunities include a fortress, waterfalls, caves, and a volcanic crater.

Recreation: The island of St. Kitts offers a diversity of culture and a treasure-trove of historic sites to explore. There are plantation homes to view, small towns that highlight colonial architecture, and quaint local shops. Each year, St. Kitts holds a colorful carnival and a music festival. Special events are often held at the 10,000-seat stadium built for the 2007 World Cup Cricket Games.

For students interested in wildlife, St. Kitts has many interesting birds, including frigate birds, egrets, and herons. St. Kitts is also known for its green Vervet monkeys.



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ORGANIZATIONS

As a new university, organizations at UMHS are constantly forming. It is anticipated that additional organizations will evolve based on student interests and needs, and that they will reflect the diversity of the student population. The organizations include:

Student Government Association (SGA): The SGA represents all UMHS students in student affairs and administrative matters. All students are SGA members, and dues are collected each semester as part of the UMHS tuition and fees. Students elect SGA officers to represent them.

In addition to supporting enrolled UMHS students from a student affairs and administrative perspective, SGA schedules a variety of recreational activities each semester.

These activities foster socialization and teaming, which are all important components of becoming a physician. In addition, it is a great opportunity to experience all that St. Kitts has to offer.

American Medical Student Association (AMSA): AMSA is a student-governed national organization that is committed to representing the concerns of physicians in training. AMSA is committed to improving medical training and the nation's health.

In 2007, AMSA leaders selected four priorities to focus its activism:

- **Quality, Affordable Health Care for All:** AMSA is working through state and national coalitions to improve existing public programs and to advocate for a public health insurance program.

- **Global Health Equity:** AMSA is using its resources to focus on global health issues of wellness, safety, opportunity, and environment, regardless of which country people live in.
- **Enriching Medicine Through Diversity:** AMSA is focusing on developing a health care workforce that reflects society. This includes advocacy for culturally appropriate care, underrepresented providers in medicine, and admissions criteria which do not exclude those from different backgrounds.
- **Professional Integrity, Development, and Student Well-Being:** AMSA is committed to helping all students through the process of medical school admissions, undergraduate medical education, and career choices in residency and beyond.



Religious, Cultural, Sports, and Recreation Organizations: Religious and cultural organizations are welcomed at UMHS. Their purpose is to support the diverse spiritual needs of the UMHS student body and promote cultural growth experiences. Organizations may also be sports or recreation focused such as intramural teams. These experiences demonstrate diversity while also bringing a cohesive set of experiences that will provide lifelong benefits to students.



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