



# School of Medicine

## 2018 – 2019 Course Catalog



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## History

Opened in 1999 as the University of Sint Eustatius School of Medicine, AUIS represented a dynamic collaboration of veteran medical educators experienced in mentoring U.S. and International medical students throughout all phases of education.

The school relocated to the island of Sint Maarten in September of 2013.

In September of 2014 American University of Integrative Sciences assumed the charter and legacy of USESOM to assure the continuity of the education for current and future medical students. The new Board of Directors, and Administration began a significant improvement initiative to merge state of the art instruction and technology, to develop a more inclusive, global, curriculum to prepare graduates for the future of healthcare delivery. In May of 2017 the university opened its Barbados location.

## Mission and Education Philosophy

To educate and inspire leadership in health outcome centric clinical practice by embracing cultural and social accountability and a commitment to the integrative practice of medicine.

## Roadmap to Our Future

AUIS has a vision for a healthier world through building a foundation of physicians trained in the integrative practice of medicine. Every day, the faculty and staff of AUIS work collaboratively and tirelessly to secure a future in which everyone enjoys a healthy life.

## Vision

Our aspiration is to:

- A. Be recognized as a center of excellence in medical education
- B. To lead in the development of cohesive clinical care physicians
- C. To lead in the teaching of cohesive clinical care, combining the disciplined integration of western allopathic medicine and quantifiable healing modalities from the various cultures of the world into a singular comprehensive health delivery system







## Goals

- A. Medical education to include principles and practices of integrative medicine by training medical students in evidence-based complementary and alternative modalities in addition to traditional modern medicine.
- B. To produce real world health professionals with fiscal and social accountability in health care delivery. To teach true sustainability through practice and development of sustainable utilization of resources and infrastructure.
- C. Creating excellence in people while embracing diversity to create an environment where all people feel included, valued, celebrated and respected.
- D. Developing a collaborative organizational culture through strategic alliances with institutions and organizations that align in philosophy. Promotion of a culture that fosters a collaborative, respectful, diverse and effective organization at all levels.
- E. Provide leadership in academic medicine, shape and create a healthcare environment that better services patient diversity with personalized healthcare delivery.
- F. Clinical and education research to increase the scope and quality of our research.
- G. Expand the strategic use of innovative technology to enhance learning opportunity.

# AUIS School of Medicine MD Program Objectives

## AUIS Mission Specific Objectives

The goal of the program is to make competent physicians that may be entrusted to make Health Outcome-Centric clinical decisions. Graduates must demonstrate Cultural competence, Social Accountability, with a commitment to the Integrative practice of Medicine.

## AUIS General Objectives

Students will integrate sound foundational scientific knowledge, skills, values, and attitudes to exhibit Entrustable Behaviors in all the following 13 Core Entrustable Professional Attributes (EPAs) in order to graduate.

1. Gather a history and perform a physical examination.
2. Prioritize a differential diagnosis following a clinical encounter.
3. Recommend and interpret common diagnostics and screening tests.
4. Enter and discuss orders and prescriptions
5. Document a clinical encounter in the patient record.
6. Provide an oral presentation of a clinical encounter.
7. Form clinical questions and retrieve evidence to advance patient care.
8. Give or receive a patient handover to transition care responsibly.
9. Collaborate as a member of an interprofessional team.
10. Recognize a patient requiring urgent or emergent care and initiate evaluation and management.
11. Obtain informed consent for tests and/or procedures.
12. Perform general procedures of a physician.
13. Identify system failures and contribute to a culture of safety and improvement.

AUIS has recently revised its program objectives and related competencies to include AAMC recommended EPAs. Entrustable Behaviors will be a requirement for students entering the MD program in 2018.

These core EPAs therefore define the outcomes desired at the end of the educational pathway at AUIS. These EPAs support AUIS SOM mission-specific objectives and serve to guide the educational program planning, administration and evaluation, thus forming the foundation of the AUIS educational curriculum.

Each EPA is mapped to the competencies that are critical to making an entrustment decision. Each competency, then has milestones associated with it that represent behavioral markers of increasing levels of performance. Each basic science course, clerkship and learning experiences has learning objectives defined and published. Specific learning objectives are then aligned to corresponding Competencies and Program objectives.



## Values, Virtues and Principles

The following ideals are central to the practice of medicine and it is anticipated that AUIS medical students will strive to:

- A. Respect the dignity and intrinsic value of every individual, regardless of race, ethnicity, national origin, age, gender, socio-economic background, sexual orientation, religious belief, or political affiliation.
- B. Respect faculty, fellow students, patients, and other individuals interacting with the medical school community.
- C. Place the interests and needs of others, especially the sick and the disadvantaged, above self-interest.
- D. Understand that the ability to share in the experiences of others especially, the suffering of the sick which is critical to the work of healing.
- E. Speak and act in ways that testify to, and support our values and principles.
- F. Recognize that care for patients demands the integration and coordination of the talents, knowledge, and skills of all members of the health care team.
- G. Be willing to accept and acknowledge shortcomings, as well as successes.
- H. Commit oneself to responsibility and accountability for both current and lifelong learning.
- I. Endeavor to improve knowledge and skill, both within and beyond the learning environment.
- J. Acknowledge the limits of both science and practice, and continuously work to expand those limits.

## Recognitions

AUIS is recognized by:

- The World Health Organization (WHO)  
<https://search.wdoms.org/home/SchoolDetail/F0004594>
- The Educational Commission for Foreign Medical Graduates (ECFMG)
- Ontario Students Assistance Program (OSAP)  
The governments for the provinces of Alberta, British Columbia, Manitoba, Newfoundland, and Labrador
- Listed in the Europa World Book of Learning
- AUIS is chartered on the island(s) of Barbados

Our students are eligible to sit for the USMLE Step examinations and are eligible to become ECFMG certified upon completion of the M.D. curriculum and passing the USMLE Step 1, 2CK, and 2CS examinations. Canadian students should be mindful of the MCCEE, NAC-OSCE AND MCCQE eligibility criteria if they wish to seek a Canadian residency as well.

## Student Catalog Edition

The 2018-2019 edition of the Student Catalog supersedes all previous versions. This catalog has been prepared and is intended for the convenience of our students by the faculty and administrators of AUIS. New students are required to read the entire document and are responsible for taking note of any changes that occur in policy as subsequent versions are posted. The President of the University and Deans have final authority regarding the interpretation of any policies, procedures, and regulations in this handbook. Changes in the catalog will take effect at the beginning of the term, immediately following either the posting of the change and/or the date of a statement issued via mail or e-mail to all concerned.

AUIS reserves the right to change any provision listed in this catalog, including but not limited to academic requirements. It is important that students keep themselves apprised of the program requirements throughout their academic year. Upon distribution of this catalog, it is assumed that all students are aware of the policies and procedures contained within and are thus accountable for any disciplinary action for failure to abide by them. In the event of any discrepancy between information presented in this catalog and the bylaws or policies of the University, the official bylaws and policies of the university shall prevail. The catalog and all addendums are available online at <http://www.auis.edu/resources/downloads>. Printed copies are available upon request from the Registrar's Office.

## Nondiscrimination Notice

AUIS consistently pursues a policy of nondiscrimination with regard to race, color, religion, gender, national origin, sexual orientation, and mental or physical handicap. AUIS follows Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. The nondiscrimination policy is applied to all admissions, academic, student services, and financial policies of the University.





## Students with Special Academic or Physical Needs

AUIS is committed to working with students with disabilities and adheres to the prevailing local laws and closely to guidelines set forth by Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the Persons with Disabilities Civil Rights Act of 1976 as practically possible. Upon review of appropriate documentation and consultation with professionals, AUIS may make accommodations to assist students with disabilities. Such accommodations will be confidential, reasonable, and appropriate with regard to the circumstances, and will allow equal opportunity for students with disabilities. The essential requirements, as well as the academic and vocational benefits of the program, will not be infringed by these accommodations.

Students seeking accommodations should contact Admissions and the Dean of Students to request an application and/or coordination of each request. It is critical that the student communicate with the Admissions Department prior to matriculation or within the first two weeks of the semester so that all parties have time to consider the request for an accommodation, review the supporting data, and make a decision well before the first examination period.

## Religious Accommodation

By accepting admission into our programs, students agree to abide by our schedules and expressly waive any rights to special scheduling to accommodate their personal religious beliefs. In addition, students agree to follow generally accepted North American guidelines regarding performance of and participation in the physical examination educational process.

## Admissions

American University of Integrative Sciences of Barbados welcomes applicants of all races, nationalities, religion, age, and gender who are committed to sharing the vision of the university, and are committed to the dedication and time necessary for the practice of medicine.





# Admission/Prerequisite Education Requirements (All Medicine Applicants)

Applicants to AUIS must have completed a minimum of 90 semester credits (135 quarter credits) of undergraduate studies, which include specific pre-medical requirements or their equivalents, from an accredited college or university, and have achieved a competitive Undergraduate GPA.

Course	Semester Credit	Quarter Credit
General Biology I w/Lab	4	6
General Biology II w/Lab	4	6
Physics I w/Lab	4	6
Physics II w/Lab	4	6
Organic Chemistry I w/Lab	4	6
Organic Chemistry II w/Lab	4	6
Inorganic Chemistry I w/Lab	4	6
Inorganic Chemistry II w/Lab	4	6
College Math (Any)	3	4.5

The University also recommends students pursue a broad range of related scientific (Anatomy, Microbiology, Physiology) and humanities (English, Art) studies to supplement their prerequisite knowledge.

Applicants with a Bachelor’s or Master’s degree in the biological or health sciences may be considered to have satisfied the above pre-requisite requirements as determined by the Admissions Committee.

Applicants must have achieved a passing grade on each of the prerequisite courses, and have completed them within four (4) years prior to the application, unless they have demonstrated active work in the discipline.

Exceptions to the above premedical courses are considered on an individual basis by the Admissions committee after a summary review of an applicant’s transcript, and the results of an Acceptance Interview.

# Admissions Requirements (Bachelor of Medical Science Program)

The program start date is 2018-2019. To qualify for admission into the Bachelor of Medical Sciences (BMSc) program applicants must meet the following requirements:

North American Education Model: Applicants must have completed 12 years of primary and secondary school education.

British Education Model: Applicants must have completed all educational requirements up to the General Certificate of Education (A-Level) level.

All Other International Education Models: Applicants must meet their nation’s equivalent of the above models (subject to review and confirmation by the Admissions Committee).

International applicants, or those who have taken undergraduate courses in a language other than English will be required to have their academic transcripts or degree evaluated by a NACES approved credentialing evaluator. A list of these agencies can be found at <http://www.naces.org/members.html>.

All international applicants must also demonstrate proficiency in the English language, as all courses taught at AUIS are done so in the English language. Applicants can satisfy this criteria by the submission of transcripts or a degree from a university documented as teaching in the English language, or submit results from the Test of English as a Foreign Language (TOEFL).

**The applicant must earn the following minimum acceptable score(s):**

Test	Minimum Score
Paper	500
i-BT (internet based test)	61

Students must be able to satisfy the entry criteria for Barbados immigration to apply for the program. Students from outside of the US, EU, and Canada will require a Student Visa and may require an Entry Visa prior to arrival, and should anticipate about 8 weeks of processing time.





## Transfer Applicants

In addition to meeting the prerequisite requirements above, applicants wishing to transfer credits for advance standing into AUIS from another medical school must meet the following criteria:

- Completed a minimum of 24 credits in a comparable Medical Doctorate program recognized by the World Health Organization (WHO) and/or the Foundation for Advancement of International Medical Education and Research (FAIMER).
- Courses must have been earned from a medical school the applicant attended within two (2) years of stating AUIS.
- Transfer courses must have a minimum grade of C (70%, 2.0).
- Transfer course must have been taught in English.

Students wishing to transfer into years 3 and 4 in Clinical Sciences must meet all of the above criteria and have successfully passed the USMLE Step I exam within two (2) years of the application. An official USMLE score report must be submitted at the time of enrollment as proof of meeting this requirement.

Exceptions to the above transfer credit criteria are considered on an individual basis by the Admissions committee after a summary review of an applicant's transcript.





## Application Process

Students seeking admission to AUIS must complete the following application process:

1. Submit an application for enrollment and accompanying application fee.
2. Submit the following documentation:
  - a. Unofficial transcripts from previously attended institutions
  - b. Two (2) signed letters of recommendation
  - c. Current Resume or CV
3. Participate in a telephone or Skype© interview with the Admissions Committee.

## Please Note:

All previous institutions student attended must be disclosed at the time of the application.

Students who are accepted to AUIS will be required to submit “official” copies of transcripts from all previously attended institutions, both graduate and undergraduate, by fifteen (15) weeks from the start date. Students who fail to produce official transcripts within the allotted time may be administratively withdrawn.

All documents submitted for admission become property of AUIS and will not be returned.



# Required Admission Documents

	INFORMATION NEEDED	DATE DUE BY
1	APPLICATION	
2	APPLICATION FEE OF \$100	MUST BE SUBMITTED WITH APPLICATION
3	UNOFFICIAL TRANSCRIPTS	MUST BE SUBMITTED WITH APPLICATION
4	SEAT DEPOSIT	WITHIN 7 DAYS OF ACCEPTANCE
5	2 LETTERS OF REFERENCE	MUST BE SUBMITTED WITH APPLICATION
6	RESUME	MUST BE SUBMITTED WITH APPLICATION
7	ENROLLMENT AGREEMENT	BEFORE FIRST DAY OF CLASS
8	EMERGENCY CONTACT FORM	WITHIN 5 DAYS OF ACCEPTANCE
9	OFFICIAL TRANSCRIPTS FROM ALL UNDERGRADUATE, GRADUATE OR OTHER MEDICAL SCHOOLS	WITHIN 15 WEEKS OF START DATE
10	COMPLETION AND SUBMISSION OF <u>ALL</u> IMMIGRATION ITEMS UNDER "NEW APPLICATION" HEADING (BASIC SCIENCE STUDENTS ONLY) <a href="http://immigration.gov.bb/pages/StudentVisa.aspx">http://immigration.gov.bb/pages/StudentVisa.aspx</a>	WITHIN 5 DAYS BEFORE ARRIVAL ON ISLAND
11	COPY OF VALID PASSPORT	WITHIN 5 DAYS BEFORE ARRIVAL ON ISLAND
12	PROOF OF INCOME (BANK STATEMENT MUST SHOW A MINIMUM OF \$1200 USD OR EQUIVALENT (THIS WILL SUPPORT THE "PROOF OF FINANCIAL RESOURCES" CRITERIA	WITHIN 5 DAYS BEFORE ARRIVAL ON ISLAND
13	4 PASSPORT PHOTOGRAPHS	STUDENT TO SUBMIT ON ISLAND
14	FULL TUITION	30 DAYS PRIOR TO START DATE
15	LAB COAT SIZE	15 DAYS PRIOR TO START DATE
16	WILL YOU NEED TRANSPORTATION FROM THE AIRPORT?	YES NO
17	FLIGHT ITINERARY (MUST BE SUBMITTED)	

# Acceptance

Upon completion of the above items, the Admissions Committee will review the student's application, previous institutional transcripts, and interview notes to make an acceptance determination. Acceptance is determined on a case by case basis and not all applicants will be accepted.

Students who are not selected for acceptance are eligible to reapply in one (1) year from their initial application.

Students who are accepted will be contacted by the Enrollment department no later than ten (10) days after the telephone interview and will be issued a formal letter of acceptance for their records.

In addition to regular acceptance, applicants may also be offered provisional acceptance with terms such as, but not limited to, fulfillment of additional prerequisite material, completion of a Live Prep course and summary exam, enrollment in the ASSIST program, or a reduced course load during the first semester.

Students with provisional acceptance terms required BEFORE beginning studies must complete those provisions no later than six (6) months after the date of acceptance, or the acceptance will be withdrawn.

All acceptance decisions are at the discretion of the Admissions committee.





## Readmission of Former Students

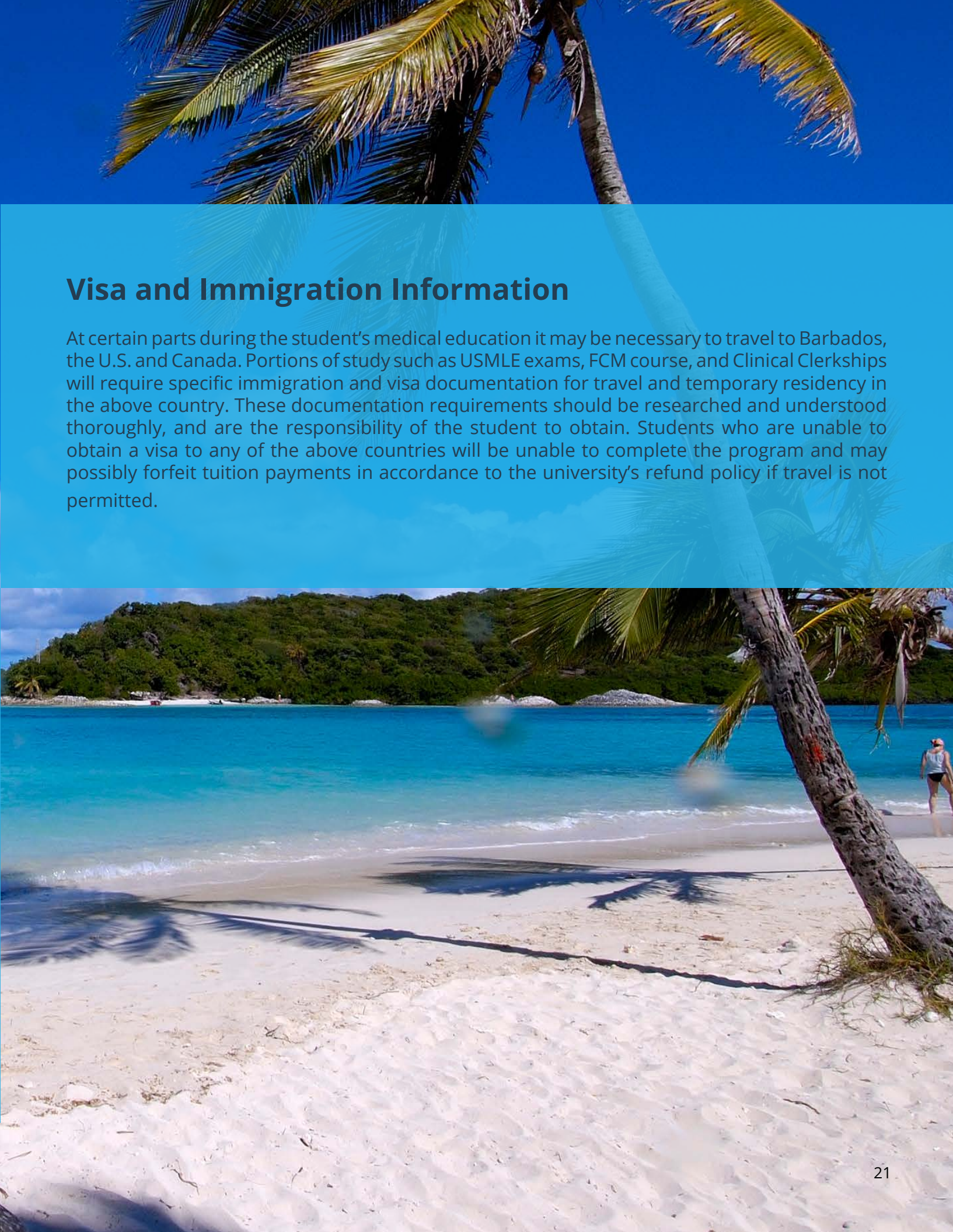
Students seeking readmission to AUIS who have been absent for a period of one (1) year or longer will be required to complete the application process, pay the application fee, and participate in an admissions interview. Enrollment at any institution which occurred between the application for readmission and the previous enrollment at AUIS must be disclosed and all official transcripts must be requested and received by the fifteen (15) week deadline. Any credits achieved at AUIS or USESOM aged two (2) years or greater will be required to be repeated.

## Deferred Enrollment

Students accepted into the university may defer their enrollment for one (1) term only if the Basic Science or Clinical Deposit has been paid. Additional deferments are subject to the decision of the Admissions Committee, and the availability of seats in the applicable semester. Applicants requesting deferral beyond one (1) term will be subject to a non-refundable deferral fee which is due within three (3) days of approval.

## Visa and Immigration Information

At certain parts during the student's medical education it may be necessary to travel to Barbados, the U.S. and Canada. Portions of study such as USMLE exams, FCM course, and Clinical Clerkships will require specific immigration and visa documentation for travel and temporary residency in the above country. These documentation requirements should be researched and understood thoroughly, and are the responsibility of the student to obtain. Students who are unable to obtain a visa to any of the above countries will be unable to complete the program and may possibly forfeit tuition payments in accordance to the university's refund policy if travel is not permitted.







## Barbados Immigration Requirements

When completing/submitting Immigration documents for travel to Barbados it is imperative that read, understand, and abide by the guidelines outlined for documents on the website ([immigration.gov.bb/pages/StudentVisa.aspx](http://immigration.gov.bb/pages/StudentVisa.aspx)) Failure to submit any of the documentation completely, accurately, and timely, may result in a travel delay. Also consider the following general requirements.

- All documents must be completed in their entirety, including middle names, and using “N/A” in fields that are not applicable.
- All documents NOT in the English language must be submitted with a certified translation.
- A Police Certificate of Character is required for all countries the applicant has resided in for six (6) months or more, and must be no older than six (6) months.
- Copies must be clear and legible, color is preferred.
- All documents requiring applicant/student signatures will need to be mailed in hard copy form directly to the University.
- The University will provide the following documents listed on the Immigration website on behalf of the student:
  - H1 Form (Partially Completed by University, Partially completed and signed by student)
  - H2 Form (Partially Completed by University, Partially completed and signed by student)
  - Cover Letter
  - Letter of Accommodation from Landlord (if student chooses University partnered housing)
  - Timetable for course of study

## Barbados Entry Visa Requirements

Students traveling on a Visa from certain countries are required to complete an application for an entry visa. A list of countries for which this is required, and application instructions is located at ([immigration.gov.bb/pages/Visa\\_Requirements.aspx](http://immigration.gov.bb/pages/Visa_Requirements.aspx)). (Required countries are listed alphabetically in the “Country of Nationality drop box at the bottom of the screen).



## Orientation

All students accepted in the Basic Science program will participate in an orientation at the campus before the beginning of classes.

All students accepted into, and matriculating to the Clinical Sciences portion of the program will participate in an orientation via a conference call or Skype® session which will be coordinated with an official from the Clinical department.

## Loans

AUIS student financial aid is provided by an independent third party private lender who is offering financial assistance to U.S. students, permanent residents and Canadian students with a US resident citizen co-signer. The loan is applicable to the Basic Sciences phase of the four year medicine program. The borrower must have a valid social security number. International students may apply with a creditworthy US resident citizen co-signer. The loan program covers tuition; however, it does not cover living expenses, books, lab fees or labs.

Terms of the loan are subject to GPA, student and co-signer credit score, USMLE results (if applicable) and University approval.

Loan availability and criteria may vary based on enrolled program. For more information, please contact the University.

The institution will only verify/certify a maximum of one hundred and fifty-five (155) weeks when completing Confirmation of Enrollment, Continuation of Interest Free Status, or any other document for lenders that only recognize classroom and clerkship activity as fundable.

## Scholarships

American University of Integrative Sciences of Barbados has recently announced a robust, comprehensive scholarship program. Students can use a maximum of one (1) of the following scholarship opportunities to assist with their tuition costs. Please visit the AUIS website for eligibility and application requirements (<https://www.auis.edu/academics/auis-scholarships>).

### Founders Scholarship

The Founder's Scholarship is awarded to those with superior academic credentials. The scholarship awards full tuition for Basic Sciences and 50% tuition reduction for Clinical Clerkships. This amounts to a 75% reduction in medical school tuition! A college cumulative grade point average of 3.80 is required to apply. Once awarded, students must maintain the 3.80 for every Basic Science semester and the evaluation of Honors or better for every Clinical Clerkship.

### Merit Scholarship (Basic Sciences Only)

The AUIS Merit Based Scholarship rewards hard work. A grade point average of 3.5 is required to apply for this scholarship which is valued at \$1700 for the first term. Thereafter, recipients must maintain a 3.5 grade point average for every Basic Science term.

### Essay Scholarship

This scholarship is designed to reward future academic success. The criteria to apply for the Essay Scholarship is your Acceptance Letter! There are several topics from which applicants may select their area of greatest interest. The Scholarship Committee reviews the topics and determines eligibility for the scholarship. If awarded the scholarship is valued at \$1500 tuition credit for first semester Basic Science classes. The scholarship remains at \$1500 for every Basic Science semester the recipient maintains a 3.5 grade point average. The scholarship reduces to \$1000 for Basic Science semesters completed with a grade point average between 3.49 and 3.0

### U.S. Military Appreciation Scholarship

AUIS appreciates the service of the men and women in the US military. Military personnel who have any percentage of verified disability are awarded up to a 30% tuition reduction for every Basic Science semester. A minimum of a 2.75 grade point average is required from all former colleges and must be maintained throughout Basic Science classes to maintain the scholarship.





## Basic Science (MD Year 1 and 2 ) Program Description

The AUIS MD program balances both foundational didactic learning, and experiential hands-on clinical training to deliver a US comparable allopathic medical education. Students will learn strong foundational knowledge of the structure and function of the human body to identify and diagnose diseases of the body, and the proper medication and treatments to cure them.

Students are required to complete those courses in the prescribed time as outlined in the curriculum, unless otherwise authorized in writing by the Dean of Basic Sciences.

Students must achieve a passing level established by the faculty of each course or clinical clerkship rotation in order to be promoted.

Students must be able to relate effectively and sensitively with medical professionals as well as patients of all genders, ages, races, life-styles, sexual orientations, and cultural backgrounds, and be able to convey a sense of compassion and empathy. A student must be able to communicate clearly with and observe patients in order to elicit information, accurately describe changes in mood, activity, and posture, and be able to perceive verbal as well as nonverbal communications including speech, reading, and writing. Medical education presents exceptional challenges in the volume and breadth of required reading and the necessity to impart information to others. Students must be able to communicate quickly, effectively, and efficiently in oral and written English with all members of their health care team.

The 15-week semester terms on the island of Barbados . Summer and Winter breaks are short, permitting three academic terms in any given calendar year. Students complete their 5th semester in Atlanta. The Basic Sciences consists of training in multiple disciplines taught in a 5-term format. Most courses are taught in double 50-minute blocks, 3-5 times per week. Training in some disciplines may span several terms.

## Student Shuttle Bus

The University Transportation Program has been created to assist our students, faculty and staff with safe and affordable transportation resource to navigate about the island. The principle objective is to remove the individual need for a personal vehicle while you are living on the island. The schedule will allow students, faculty and staff to transit to and from school. For further information and schedules contact University Administration or refer to posted bulletins on campus.





Course Code	Title	Credits
	<b>First Semester</b>	
MD111	Patient-Doctor Skills I and Professionalism	2
MD151	Evidence Based Medicine	2
MD145	Histology and Cell Biology	10
MD170	Gross and Developmental Anatomy	12
	<b>Second Semester</b>	
MD211	Patient-Doctor Skills II	2
MD224	Public Health and Epidemiology	2
MD266	Biochemistry and Genetics	10
MD361	Medical Neuroscience	10
MD279	Physiology	10
	<b>Third Semester</b>	
MD312	Patient-Doctor Skills III	2
MD342	Medical Microbiology and Immunology	10
MD460	Behavioral Science	8
MD477	Pathology I	10
	<b>Fourth Semester</b>	
MD412	Patient-Doctor Skills IV	2
MD443	Medical Pharmacology	10
MD579	Pathology II	8
MD583	Introduction to Clinical Medicine	10
	<b>Fifth Semester</b>	
MD590	Fundamentals of Clinical Medicine	10
	<b>Total Credits</b>	<b>130</b>

# Course Descriptions

**MD 111 Patient-Doctor Skills I and Professionalism (2 Credits)**

Students will learn the concepts of what it means to be a doctor as it pertains to personal deportment, professionalism, appearance and cultural awareness. Students will be exposed to techniques of effective communication, integrative history taking and recording of vital signs. Students will learn digital pulse diagnosis and will participate in recording of actual patient data at health clinics.

**MD 145 Histology and Cell Biology (10 Credits)**

Students study microscopic anatomy of cells, tissues and organs. Emphasis is placed on the correlation of structure with function.

**MD 151 Evidence Based Medicine (2 Credits)**

Students will learn how the integration of technology in health care is changing the how doctors practice medicine. Students will learn the principles of research and empirical evidence as they relate to medical care. Students will learn to think critically, and identify clinical challenges and how to analyze them to diagnose and treat illnesses.

**MD 170 Gross and Developmental Anatomy (12 Credits)**

Students study the developmental aspects of the major organ systems integrated with discussions of gross anatomy and embryology. Emphasis is placed on the applied and clinical aspects. In addition to lectures and cadaveric dissection, the learning is enhanced with Cyber Anatomy computer software, the study of X-rays, CT scans, MRIs and osteology.

**MD 211 Patient-Doctor Skills II (2 Credits)**

Students will learn how to gather and record patient medical data. Included will be gathering data from verbal, neurolinguistics (body language) medical records, and other healthcare professionals. The didactics will include the patient's demographics, chief complaint, family, social, review of systems, and past medical history. The writing of accurate SOAP notes and entering them into C.A.R.L. Students will also begin to learn physical examination of the human body.

**(Prerequisite or Co-requisite MD 111)**

**MD 224 Public Health and Epidemiology (2 Credits)**

Epidemiology, principles of biostatistics, and preventive medicine care covered in this course. Epidemiologic principles, measurements, investigations and research designs will be discussed. Students will gain experience in applying epidemiologic methods in clinical problem solving and decision making. Students will be expected to build on and demonstrate their knowledge in the processes of making hypothesis and making inferences from the data. Disease trends and methods of prevention will be explored along with public health systems and medical care organizations. **(Prerequisite MD 151)**



## Course Descriptions Cont..

### **MD 266 Biochemistry and Genetics (10 Credits)**

Students study the structure and function of carbohydrates, lipids, proteins, and other biomolecules. Lectures cover structure-function relationships in molecular diseases, enzyme characteristics and kinetics, bioenergetics, metabolism and metabolic interrelationships of important molecules, the molecular basis of metabolic diseases, the biochemistry of hormones and cell signaling, and biochemical principles in nutrition. In the lab students will learn basic tests and procedures used in general practice, including pregnancy tests, urine reagent strips and tablets for detection of glucose and ketonic bodies, and glucometers.

**(Prerequisite MD 145)**

### **MD 279 Physiology (10 Credits)**

Students study the basic human biological processes, both normal and abnormal, as seen in the clinical setting. The mechanical, biomedical, and regulatory processes of the major organ systems will be examined including cardiovascular, respiratory, renal, endocrine, gastrointestinal, and neural. Clinical correlation is stressed by exploring case studies with major organ dysfunction.

**(Prerequisite MD 170)**

### **MD 312 Patient-Doctor Skills III (2 Credits)**

Students will be instructed in the physical and practical skills associated with physical examination of the patient. This will involve learning to effectively use a stethoscope, otoscope, ophthalmoscope, tuning forks, reflex hammers, suture and casting materials, laryngoscope, vaginal specula, surgical clothing and instruments, syringes, needles, and other medical instruments. **(Prerequisite or Co-requisite MD 211)**

### **MD 342 Medical Microbiology and Immunology (10 Credits)**

Students will learn about microorganisms which cause infectious diseases. We will cover the classification, laboratory identification, pathogenesis and clinical manifestations of the disease process and treatment strategies. Major human diseases of bacteria, viruses, fungi, protozoa and helminths will be discussed. The laboratory work will supplement the lectures. Fundamental concepts of immunology are covered and integrated as various diseases are discussed.

**(Co-requisite MD 266)**

### **MD 361 Medical Neuroscience (10 Credits)**

This course covers the structure and function of the brain, spinal cord, and peripheral nervous system. Laboratory sessions will include dissections of the human brain and spinal cord, learning about the functional and dysfunctional nervous system through the integration of neuroanatomy, physiology, pharmacology, and biochemistry.

**(Prerequisite MD 170, Co-requisite MD 279)**

## Course Descriptions Cont..

### **MD 411 Patient-Doctor Skills IV (2 Credits)**

This course instructs students in a complete neurological examination including mental status and workshop. Students are placed in simulated patient encounters that include high risk patients such as those subject to sexual and domestic abuse, violence, neglect and with memory loss.

**(Prerequisite MD 211, Co-requisite MD 312)**

### **MD 443 Medical Pharmacology (10 Credits)**

The course explores an understanding of complex actions of drugs in the treatment of patients. Basic principles of drug metabolism, drug-receptor interactions and the pharmacology of all major organ systems is explored, including the autonomic and central nervous systems and the cardiovascular, respiratory, renal, and blood systems. The anti-microbial and cancer chemotherapeutic agents and the basic principles of toxicology is also studied.

**(Co-requisites MD 342 and MD 361)**

### **MD 460 Behavioral Science (8 Credits)**

The course covers the biological and psychological bases of mental illness. Major psychiatric disorders are covered with an emphasis on diagnostic features, neurobiological correlates. The course involves the study of Psychology and Ethics. Students will learn the moral and legal concerns in medicine. An exploration of complex issues pertaining to confidentiality, informed consent, mental competency, obstetric/pediatric ethics, physician assisted suicide and conflict of interest situations and current laws, regulations, judicial precedents governing ethical matters in medicine.

**(Co-requisite MD 361)**

### **MD 477 Pathology I (10 Credits)**

The course covers the basic reactions of cells and tissues to abnormal stimuli which underlie all diseases. You will examine the mechanisms of injury and disease processes and the body's responses. Lectures will cover cell injury, acute and chronic inflammation, ischemia and necrosis, neoplasia and mechanisms of pathogenicity, infectious disease and the response to infectious agents.

**(Prerequisite MD 342)**

### **MD 578 Pathology II (8 Credits)**

This course covers fundamentals of systemic pathology and provides introduction and basic understanding of pathological processes.. Group discussions and students presentations are also a part of the course, as are laboratory exercises that utilize computerized slides and computer assisted modules to explore concepts discussed in lectures.

**(Prerequisite MD 477)**



# Course Descriptions Cont..

## MD 582 Introduction to Clinical Medicine (10 Credits)

This course prepares the student for transition from Basic Sciences to Clinical Sciences. Through hands-on exercises students will learn the essential tools of diagnosis such as interviewing, history taking, routine physical examination as well as the associated clinical vocabulary. The most common aspects of the core clinical clerkships and the pathophysiology of diseases are emphasized.

(Co-requisite MD 411)

## MD 590 Fundamentals of Clinical Medicine (10 Credits)

The professor led live course is designed to build on fundamentals of basic sciences with a clear focus on high-yield general principles of foundational principles, individual organ-system based, and physician task competencies. Students participate in reviews of concepts such as homeostasis, followed by abnormalities related individual systems and across the dynamic interplay between systems. Students are expected to utilize critical thinking skills throughout the program by working through high-yield clinical vignettes and USMLE-style questions.

(Requires completion of all courses in semesters 1-4 and concurrent enrollment in all other fifth semester courses)

### Stipulations for Fifth Semester Courses

1. Students must pass all Basic Science courses before matriculating to fifth semester in Atlanta.
2. Students who fail the CBSE 2x AFTER completing the FCM course will be required to take a four (4) week online FCM course before additional attempts will be permitted.

### MD 590 FCM Course Stipulations

During Fundamentals of Clinical Medicine (MD 590), students will attend fifteen (15) weeks of the course in Atlanta Georgia. Students must meet the University's minimum required passing score on the CBSE to be sponsored for the USMLE Step I exam. Students who do not pass the CBSE exam within the allotted time will be given an "F" for the course.

### New Organ-Systems Curriculum 2018

With the entering class of Summer 2018, AUIS SOM will launch its new Organ-Systems Curriculum. This new format will result in changes in order of materials presented within courses and will allow for an efficient horizontal and vertical integration of teaching. Full-time students enrolled in the MD program prior to Summer 2018 will not be affected by this change.

### Stipulations for Fifth Semester Courses

1. Students must pass all Basic Science courses before matriculating to fifth semester in Atlanta.
2. Students who fail the CBSE 2x AFTER completing the FCM course will be required to take a four (4) week online FCM course before additional attempts will be permitted.

### MD 590 FCM Course Stipulations

During Fundamentals of Clinical Medicine (MD 590), students will attend fifteen (15) weeks of the course in Atlanta Georgia. Students must meet the University's minimum required passing score on the CBSE to be sponsored for the USMLE Step I exam. Students who do not pass the CBSE exam within the allotted time will be given an "F" for the course.

## AUIS SCHOOL OF MEDICINE NEW CURRICULUM 2018: Year 1 and 2



### CURRICULUM BLOCKS

- ☐ Fundamentals of Basic Sciences
- ☐ Organ Systems
- ☐ Evidence-Based Physician Practice
- ☐ Patient Doctoring Skills
- ☐ Integrative Practice of Medicine

### COURSES IN CURRICULUM BLOCKS

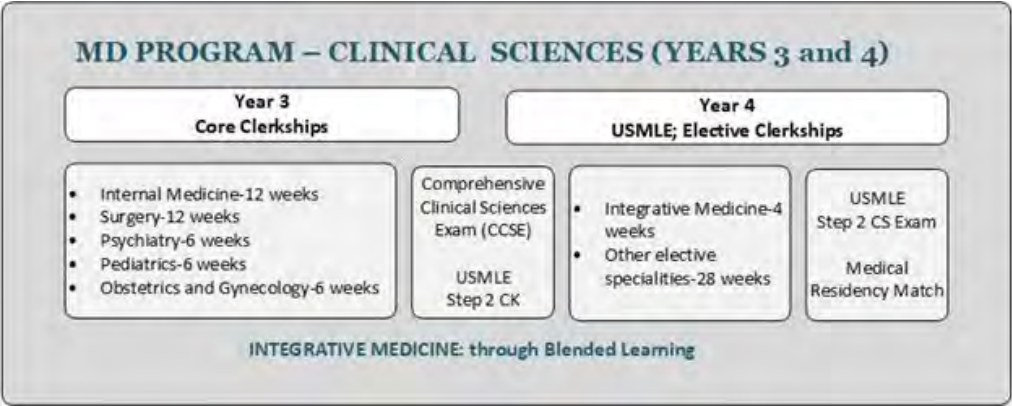




# CLINICAL SCIENCES (MD Year 3 and 4)

The AUIS Clinical Sciences program provides students with training in all core areas of medicine, as well as a wide variety of electives. Students are encouraged to both explore potential career options and to acquire expertise to complement either a specialty or a generalist career choice. Students must complete a total of 80 weeks of Clinical Clerkships in the following areas:

- Core Clerkships (48 weeks)
- Elective Clerkships (including Integrative Medicine and Academic Medicine) (32 weeks)



The objectives of all the clerkships are:

- To develop proficiency in the diagnosis and therapy of various medical conditions
- To foster an appreciation of disease as the expression of deranged physiology
- To inculcate habits of critical analysis
- To enhance appreciation of the physician’s responsibility to the patient

The clinical experience is conducted in training sites in classrooms, on rounds, conferences, and grand rounds with attending physicians (Preceptors). Students play an active role in the clinical management of patients through history taking, performing physical examinations, participating in procedures where necessary, writing progress notes patients, and being prepared to present these notes on daily rounds under the supervision of an attending physician and preceptors.

Each training site is supervised by a Clinical Chair or Clinical Course Director/Course Preceptor and the Dean of Clinical Affairs. The education experience may vary somewhat from rotation to rotation and between teaching sites, but AUIS’s learning objectives are met at all locations.





## Clinical Training

During core and elective clinical clerkships a variety of clinical experiences are presented in the form of:

- Clinical Morning Rounds
- Case Presentations
- Clinical Conferences and Grand Rounds
- Literature Reviews
- Patient Interaction and Procedures
- Radiology Rounds
- Peer Group Journal Review and Residency Group Roundtables
- Quizzes on LMS E-Learning System
- NBME Comprehensive Clinical Science Subject Examination (CCSSE)
- NBME Comprehensive Clinical Science Examination (CCSE)
- Preceptor Feedback Sessions
- On-Call Activities
- Seminars

## The Clinical Team

The Clinical Science Department is solely responsible for the placement of students into both core and elective clerkships. Once students have met all the requirements (academic, financial, and administrative) for placement, the student will work with a clinical coordinator, who will schedule core and elective clerkships.

Required Documentation Prior to beginning Clinical Clerkships  
The following documentation is required within thirty (30) days before beginning Clinical Clerkships:

1. Copy of current US visa and Passport
2. Copy of current Driver's License
3. Police Report covering the last 7 years which lists any and all convictions (must be obtained for each area lived in)
4. Current Curriculum Vitae or Resume
5. Completed Clinical Contract
6. 2 Passport size photographs
7. USMLE Step 1 Passing Score Document
8. HIPAA certification (yearly update)
9. Blood Borne pathogens certificate (yearly update)
10. CPR/BLS certification (yearly update)
11. HIV awareness certification (yearly update)
12. Proof of current health insurance
13. Health Information:
  - A. Current flu shot (for rotations scheduled between September and March)
  - B. Current PPD (must be updated yearly)
  - C. Hepatitis B shot (must submit all 3 dates)
  - D. Varicella shot
  - E. Tetanus booster (must be renewed every 10 years)
  - F. MMR (must have 2 dates if born after 1957)
  - G. 10 panel drug result tests
  - H. Physical examination



# Required Fees Prior to Beginning Clinical Clerkships

Within thirty (30) days of completing the Basic Science program, and prior to registering for USMLE Step 1, a non-refundable clinical deposit of \$5,000.00 is needed, and will be applied towards a student’s clinical tuition. If a student has any advance tuition or other funds on account with AUIS, the deposit will be deducted from those funds and the student will be billed for any balance remaining. If the student fails to pay the deposit, he/she will not be eligible for USMLE Step 1 sponsorship. For students who have not purchased a CARL device an additional deposit of \$250.00 will be required.

## U.S. Visas

Students who require a visa to begin clerkships in the United States, should plan their application process in advance to account for the processing time. Foreign medical students (those who are neither U.S. citizens nor lawful permanent residents of the United States) must obtain a B-1 Non Immigration Visa from a U.S. Embassy or Consulate prior to entering the U.S. in order to begin their clinical training. The Foreign Affairs Manual (FAM), which is a part of regulation of the U.S. Citizenship and Immigration Service, contains a special provision for foreign medical students who are neither U.S. citizens nor permanent residents to enter the U.S. for clinical training in B-1 nonimmigrant status.

**Please note that AUIS is not responsible for obtaining your visa for you. It is up to each student to acquire a visa to enter the United States lawfully.**

# Core Clinical Clerkships

The Clinical Science Program is designed to meet the Accreditation Council for Graduate Medical Education (ACGME) guidelines for training in clinical medicine and to provide students with the educational and clinical training in all core areas of medicine and selected electives. The objectives of all the clerkships are to develop proficiency in approaching the diagnosis and therapy of various medical conditions, to foster an appreciation of disease as the expression of deranged physiology, to inculcate habits of critical analysis, and to enhance an appreciation of the physician’s responsibility to the patient and their relatives.

Teaching is conducted in classrooms, on rounds, conferences, and grand rounds with attending physicians. Students take an active part in the clinical management of all patients on their team through history taking, performing physical examinations, performing procedures when indicated, writing SOAP notes on his or her assigned patients, and being prepared to present these notes on daily rounds under the supervision of an attending physician and preceptors. These written logs and procedures will all be documented on the Clinical Activity and Rotation Log (C.A.R.L.) tablet.

The Six Core Clerkships are:	
Clerkship	Weeks/Credits
Surgery	12
Internal Medicine	12
Family Medicine	6
Obstetrics and Gynecology	6
Pediatrics	6
Psychiatry	6
Total Weeks	48



Clinical Clerkships Tracks

There are three (3) tracks for the clinical core rotations. These tracks have been developed to manage rotations efficiently and make the transition from one clerkship to another smoothly. Students may choose either Track 1, 2, or 3. Students must follow the tracks and are not allowed to switch tracks randomly. All clinical core clerkships must be scheduled by the AUIS Clinical Department.

Core Clinical Clerkships Track Structure

Track 1	Track 2	Track 3
Internal Medicine	Family Medicine	Pediatrics
Family Medicine	OB/GYN	Psychiatry
Pediatrics	Internal Medicine	Surgery
Surgery	Pediatrics	OB/GYN
Psychiatry	Psychiatry	Family Medicine
OB/GYN	Surgery	Internal Medicine

Elective Clerkships

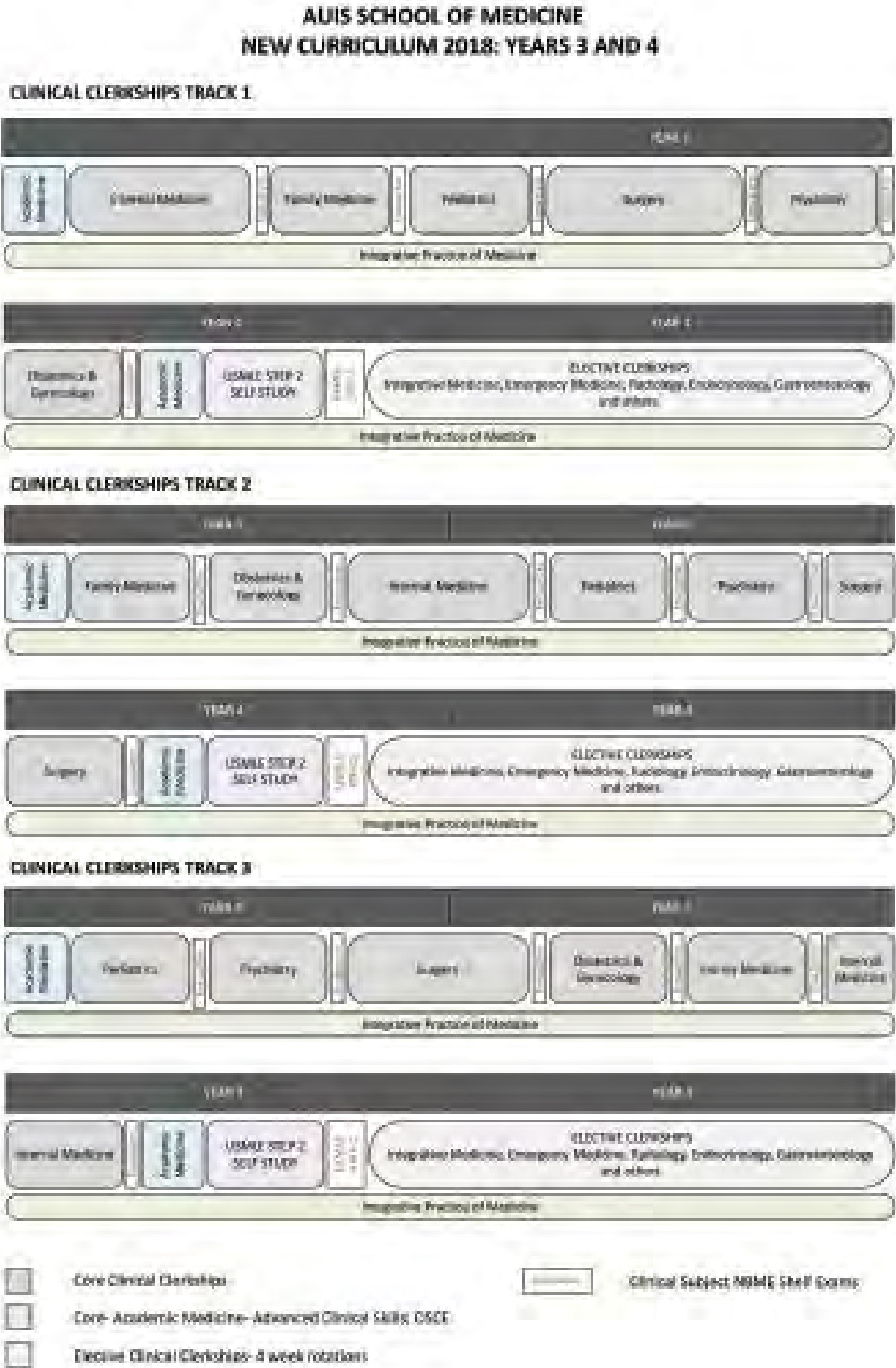
The Clinical Department will consult with students about which elective clerkships will enhance their application to a residency program in their chosen field. A minimum of thirty-two (32) weeks of electives are required to fulfill the eighty (80) week minimum requirement for graduation. Elective rotations are structured to provide students with the opportunity to explore specific areas that may have sparked their interest during core rotations and where they wish to gain more experience. Many elective rotations are readily available in hospitals throughout the United States, and for fourth years students are also available in Canada. Please note that core clerkships must be completed in the United States before elective clerkships can be scheduled. Some programs have specific requirements that students must meet in order to participate.

Opportunities for obtaining electives are often provided by preceptors, supporting staff, and attending physicians a student may have interacted with during core clerkships.

Participation in programs at hospitals that in which a student has a future interest, and/or potential MATCH site interest is an excellent strategy for structuring an elective schedule.

Students may choose from any of the following recommended electives clerkships; with a minimum of four (4) weeks for each elective clerkships.

Critical Care	Trauma	NICU	Pediatrics	Child Psychiatry
Interventional Cardiology	Integrative Medicine	Cardiology	Anesthesiology	Radiology
Emergency Medicine	Oncology	Pain Management	Nephrology	Urology
Infectious Disease	Dermatology	Ophthalmology	Pathology	Pulmonary Diseases
Gastroenterology	Geriatric Medicine	Endocrinology	Diabetes & Metabolism	Vascular Surgery





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