

GAU

2021-2022 Catalog



**GEORGETOWN AMERICAN
UNIVERSITY**
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Welcome to Georgetown American University



Educating and Researching to Save Lives

Our Mission

The mission of the University is to create and nurture a diverse student body committed to:

- "The mission of the University is to create and nurture a diverse student body committed to offering internationally recognized opportunities for learning, discovery, and engagement."

Our Vision

The vision of the GAU is to:

- Educate and retain a diverse workforce needed to help address the underserved needs worldwide.
- Develop a platform for an expanded research program to advance knowledge in sciences, technology, and engineering

Our Core Values

Our Core Values define The GAU family:

Believe in Quality
Be Innovative
Bring Passion
Build team Spirit



GAU Recognition

Georgetown American University is recognized by:

- The National Accreditation Council of Guyana:
www.nac.gov.gy
- The Foundation for Advancement of International Medical Education and Research: <https://www.faimer.org/>
- The World Directory of Medical Schools:
<https://search.wdoms.org/home/SchoolDetail/F0003427>
- The Organization of International Standards (ISO9001:2015)



Program Recognition

- GAU is accredited by the American Heart Association to deliver AHA programs in Guyana.

Nondiscrimination Clause

GAU is committed in policy, principle, and practice to maintain an environment which is divest of illegal discriminatory behavior and which provides equal opportunity for all persons regardless of race, color, religion, creed, sex, age, marital status, national origin, mental or physical disability, political belief or affiliation, veteran status, sexual orientation, gender identity and expression or genetic information. This commitment is consistent with National and University policy. A major responsibility emanating from this commitment is the provision of a fair, effective, and efficient mechanism that rectifies or eliminates policies, practices, and actions that are discriminatory, lack provision for due process, or mitigate against the university affirmative action efforts.

Students with Special Needs

GAU acknowledges the United States 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 and in so doing, will make provision to assist students with disabilities. We are committed to ensuring students with a disability(ies) have equal access to opportunities at GAU. Students who have a disability, including medical and/or mental health conditions, and may need accommodations should indicate so on the application form.

Acceptable Examinations

Medical College Admissions Test (MCAT) – while MCAT is not compulsory, it may help the applicant gain admissions based on the score.

Test of English as a Foreign Language (TOEFL) – measures the ability of nonnative English speakers to understand and use English spoken, written, and heard in college and university settings. Students who may have completed high school or college/university programs in English may not have to take this exam. Please contact the admission office if you have any questions into whether you may be required to take this exam. The minimum accepted score is 60.

International English Language Testing System (IELTS) – similar to TOEFL, tests students' ability to communicate in English. The acceptable score is 6.0.

Admission Requirement

SCHOOL OF MEDICINE

Premedical Applicant

1. High School Diploma
2. High School Transcript
 - a. USA: SAT score 1110 and above
 - b. CARICOM: 6 CSEC Subjects (2 Science, Mathematics, English) Grades I – III
 - c. Other Commonwealth: 6 GSCE Subjects (2 Science, Mathematics, English) Grades 9 – 4 or equivalence

Medical School Applicant

Undergraduate GPA with at least 2.7 from a recognized university or college, or University/College 90 credit hours with completion of the following courses:

- Biology – 2 semesters
- Chemistry – 2 semesters
- Physics – 1 semester
- English – 1 semester
- Math – 1 semester

or

GAU pre-medical program certification of completion or, MCAT score of >500

Required Associated documents:

1. Transcript and Professional certificates
2. Personal Essay expressing your interest in studying Medicine
3. Two (2) Letters of Recommendation from professionals in the field of science who are aware of your interest in becoming a Physician

Admission Requirement

SCHOOL OF Nursing

Bachelor of Science in Nursing

1. A high school diploma or GED for applicants
2. A completed application to the School of Nursing
3. Police clearance or Minimum level one fingerprint clearance card
4. Drug screen - can be completed after application approved.
5. CSEC, GSCE, COMPASS, ASSET, SAT or ACT scores reflecting passes in Mathematics, English, and science subject
6. CPR and health insurance - can be facilitated at the University upon enrollment.

Associates of Science and Bachelor of Science in Cybersecurity

1. A high school diploma or GED for applicants 16 years or older with a GPA of at least 2.0
2. A completed application to the School of Science
3. CSEC, GSCE, COMPASS, ASSET, SAT or ACT test scores with passes in Mathematics and English
4. Prerequisite courses –Mathematics, English, and Information Technology courses



Required associated documents when applying:

When completing your application form, please ensure you have the following documents available for upload:

1. Transcript and Professional certificates which includes high school diploma
2. Two (2) Letters of Recommendation
3. TOEFL score of 60 or IELTS score of 6.0 (if applicable)

Admission Process

Applications are accepted three (3) times per year for January, May, and September trimesters. Students can apply online at www.gau.edu.gy/apply. After the admissions office receives a complete application (application form and associated documents), the academic committee will process the application within ten (10) business days. The school of medicine and the Department of nursing require that applicants undergo an interview by faculty members before a final decision.

While the academic committee will accept a copy of the transcript to conduct the student's evaluation, an original transcript must be sent to the administration office before the student will be allowed to commence classes.

Deferral of Admission

Due to the limited number of positions that can be offered to prospective medical students, Georgetown American University School of Medicine expects that students accepted to the School of Medicine will enroll in the year in which they are accepted. Thus, prospective students should only apply if they anticipate being able to accept admission in the year offered. However, admitted students might request a one-year deferral of matriculation for a maximum of one (1) year under limited circumstances. The request must be submitted in writing to the Executive Director of Admissions by August 1 of the acceptance year. Examples of cases for which deferrals may be granted include:

- Illness
- Unanticipated family hardship
- A meaningful educational opportunity

To activate the acceptance for admission in the subsequent academic year, the deferred student must accept their offer of acceptance during the application cycle for which they have submitted a deferred application. In addition, it is expected that the student will submit a statement of activities during the deferral year and official transcripts for any academic work attempted or completed since the commencement of the deferral year no later than August 1 of the matriculation year.

If the student does not activate their acceptance to Georgetown American University School of Medicine within the acceptance decision deadline, their acceptance will be withdrawn. If they wish to reapply, they must complete a new online application, including new supporting documents, and pay the required application processing fees. Reapplications will be competitive with all other applicants.

Application Fee

1. Fee Payment method

GAU accepts online (visa/MasterCard, PayPal) and bank wired transfer payments.

Fee Refund

All application fees are non-refundable.



Transfer Students – School of Medicine

Transfer students are welcomed to apply. The admissions committee will review applications and assign placement accordingly. Transferring student should know:

- 1. Student must complete the minimum requirement for entry into the Doctor of Medicine program.**
- 2. A student must transfer from a comparable Medical Doctorate program; recognized by the World Federation of Medical Schools and/or Foundation for Advancement of International Medical Education and Research (FAIMER).**
- 3. The transferring credits must be associated with a program taught in English;**
- 4. The Admissions Committee makes the final decision on which class students will be placed;**
- 5. Students are not allowed to transfer into the final year of the MD program. Students must complete at least 60 credit at GAU which includes the 52 weeks of core clinical clerkship, to be qualified for graduation;**
- 6. Students may be required to complete either an NBME Step 1 Comprehensive exam prior to placement into the program**

Transfer Students – School of Medicine

Transfer students are welcomed to apply. Transfer credits will only be accepted for Degree Programs. The admissions committee will review applications and assign placement accordingly. Transferring student should know:

- 1. Student must complete the minimum requirement for entry into any of the programs**
- 2. A student must transfer from a comparable program; recognized the country or state regulatory body**
- 3. The transferring credits must be associated with a program taught in English;**
- 4. The Admissions Committee makes the final decision on which class the students will be placed;**
- 5. Students are not allowed to transfer into the final year of any program. Students must complete at least 60 credit at GAU.**

Tuition

Tuition and Financial Aid (Schedule Tuition fee for Academic Year 2021-2022) School of Medicine

Fees are quoted in US Dollars per year

Program/Year	Cost per year	Total Tuition per program
Premedical Sciences (1 st year)	\$11,500	\$19,000
Premedical Sciences (2 nd year)	\$7,500	
MD – Preclinical Sciences Year 1	\$11,500	
MD – Preclinical Sciences Year 2	\$11,500	
MD – Clinical Sciences Year 3	\$13,500 (Rotations in Guyana); \$29700 (Rotations in USA)	
MD – Clinical Sciences Year 4	\$13,500 (Rotations in Guyana); \$29700 (Rotations in USA)	
BSN – Nursing Year 1 to Year 4	\$7000	\$28,000
AS – Cybersecurity Year 1 – 2	\$7000	\$14,000
BSc.- Cybersecurity Year1-4	\$7000	\$28,000

Additional Payment Cost School of Medicine

Administrative and Academic Fees	Program	Cost
Exam Fee	Premed	\$300 per year
Exam Fee Preclinical Sciences	MD	\$300 per year
Exams Fee Clinical Sciences - Year 3	MD	\$185
Exams Fee Clinical Sciences - Year 4	MD	\$85
Laboratory Fee	Premed	\$300 per year
Laboratory Fee	Preclinical	\$3 00 per year
Application Fee	Premed and MD	\$100
*Registration Fee	Premed and MD	\$500 (Guyana) \$1000 (International)
Student Government Dues	All	\$15 per year

Additional Payment Cost School of Science

Administrative and Academic Fees	Program	Cost
Exam Fee	Cybersecurity	\$300 per year
Exam Fee	Nursing	\$300 per year
Laboratory Fee	All programs	\$300 per year
Application Fee	All programs	\$100
*Registration Fee	All programs	\$500 (Guyana) \$1000 (USA)
Student Government Dues	All	\$15 per year

**Registration fee is a one-time payment per program and is payable at the first registration period for the program. Students who matriculate from one program to another must pay the registration fee for the new program.*

Housing and Incidentals	Cost per month
Single occupancy	*\$250
Shared occupancy	*\$150
Food and transportation	*\$200
Other expenses	\$100

**These are estimated costs and are subjected to changes*

Financial Aid

GAU Scholarships

GAU awards a limited number of scholarships annually. Both full and partial scholarships are available for Regional students, and only partial scholarships are available for international students.

Students are required to submit their scholarship applications within one (1) week of applying for a program at GAU. For more information, please contact GAU's Finance Office at 592 226 38 58

Interest-free Monthly Payment Plan

GAU offers a payment plan that is a simple, inexpensive, and convenient way that allows the payment of Tuition over 12 months. This plan is only offered to local students.

GAU encourages families to utilize the interest-free monthly payment plan before considering private loans to cover tuition costs.

Private Student Loans (Parents and/or Students)

Many lenders offer credit-based private loans. These loans can be combined with other financing options to help meet the cost of attendance.



Medical Program Objectives

1. Demonstrate an understanding of established and evolving basic, clinical, behavioral and social sciences.
2. Apply basic, clinical, behavioral and social sciences knowledge to problems in clinical medicine.
3. Assimilate basic, clinical, behavioral and social sciences into the everyday care of patients and towards improving health care in communities.
4. Critically analyze clinical cases and derive solutions for health improvement by providing evidence-based, compassionate care for patients that are appropriate for the prevention, diagnosis, and treatment of illness and the promotion of health,
5. Apply the skills necessary for continuous personal growth and lifelong learning.
6. Work effectively as part of a healthcare team to ensure safe and efficient patient care.

Premedical Program

Introduction to Premedical Sciences Program

The premedical sciences program is a 20-month program conducted during five (5) terms.

Premedical Sciences Courses	Course No.	Credit hrs.	Contact hrs.
Term I			
1. General Chemistry 1	PMD115	4	56
2. Cell and Molecular Biology	PMD 111	4	56
3. Medical Terminology	PMD112	4	56
4. Professional Development	PMD114	4	56
5. Anatomy and Physiology I	PMD113	4	56
Term II			
1. General Chemistry II	PMD125	4	56
2. Maths for Physics	PMD122	3	42
3. Biochemistry	PMD121	4	56
4. Anatomy and Physiology II	PMD123	4	56
5. Psychology and Human Behavior	PMD126	2	28
Term III			
1 Arts and Humanity Elective		2	28
2. Human Nutrition	PMD131	4	56
3. Biostatistics	PMD133	4	56
4. Physics	PMD132	4	56
5. Organic Chemistry	PMD135	4	56
Term IV			
1. Communication for Healthcare Professionals	PMD211	2	28
2. Community Services	PMD212	2	28
3. Health Assessment	PMD214	2	28
4. Gross Anatomy	PMD 213	4	56
5. Organic Chemistry II	PMD 215	4	56
Term V			
1. Medical Ethics	PMD 221	2	28
2. Clinical Cases	PMD 222	2	28
3. Research Project	PMD 223	4	56
4. Microbiology	PMD 224	3	42
TOTAL Credits/Contact hours		80	1120

Credit Hours

Students are awarded credit for classes on the basis of the Carnegie unit. This defines a credit unit as equal to a minimum of three (3) hours of work per week for a term of 14 to 16 weeks per term. For a lecture class, one unit is considered one (1) hour of lecture class time and two (2) hours per week of homework.



A four (4) credit course requires four (4) hours of contact hours per week in the classroom, which includes laboratory hours and eight (8) hours of homework.

Preclinical Sciences carries 1 credit per week of each block and Clinical Sciences carries 1 credit per week per clinical rotation.

Evaluation

Students are evaluated by both Formative and Summative Evaluation processes.

Attendance (90% required) 10%

- a. 100% attendance with 100% punctuality – 20%
- b. 100% attendance without 100% punctuality – 18%
- c. 90 – 99% attendance with 100% punctuality – 17%
- d. 90 – 99% attendance without 100% punctuality – 15%
- e. Less than 90% attendance – 0%

Workbook/Lab-book	10%
Presentations	10%
Assignments	10%
Quizzes	10%
Exams	50%

Quiz

Quizzes are every Friday except the last Friday of the term and the week of exams.

Midterm Evaluation

A mid-term evaluation must be submitted to every student by the instructor. This will be a form of formative evaluation. The goal of formative assessment is to monitor student learning and to provide ongoing feedback that can be used by instructors to improve their teaching and by students to improve their learning. More specifically, formative assessments help students identify their strengths and weaknesses and target areas that need work.

Grading Scale

90-100%	Honor (H)
80-89%	High Pass (HP)
70-79%	Pass (P)
Less than 70	Fail

Structure of Exams

Premedical Sciences exams are multiple-choice questions similar to that of the MCAT exams. Exam questions may be harvested from the University's MCAT exam question bank. When applicable, there will be practice examinations.

Doctor of Medicine Program

Introduction to Doctor of Medicine Program

The Doctor of Medicine program comprises of Preclinical Sciences and Clinical Sciences components. The Preclinical Sciences program curriculum takes a systemic base approach to teach the basic sciences and knowledge required, with a Pass-Fail grading system. The courses taught in the Preclinical Sciences are:

Preclinical Sciences Expenses		
Courses	hours per week	week per block
Block 1	183hrs	8 weeks
Genetics and Biochemistry	28	
Anatomy and Embryology	31	
Histology	81	
Physiology	8	
Microbiology and Immunology	20	
Clinical Skills	10	
Pharmacology	5	
	183	
Block 2	159hrs.	9 weeks
Embryology and Anatomy	40	
Histology	45	
Physiology	36	
Clinical Skills	32	
Pharmacology	6	
	159	
Block 3	107hrs.	8 weeks
Embryology and Anatomy	34	
Physiology	30	
Biochemistry	15	
PBL	32	
	111	
Block 4	105hrs.	5 weeks
Embryology and Anatomy	42	
Physiology	10	
Pharmacology	2	
Clinical Skills	36	
USMLE Step 1 Review	15	

	105	
Block 5	95hrs.	5 weeks
Embryology and Anatomy	30	
PBL	20	
Clinical Skills	30	
USMLE Step 1 Review	15	
	95	
Block 6	118 hrs.	9 weeks
Microbiology	34	
Immunology	16	
Pharmacology	14	
Doctoring	18	
USMLE Step 1 Review	36	
	118	
Block 7	212 hrs.	8 weeks
Pathology	72	
Pharmacology	32	
Clinical Skills	20	
Doctoring	48	
USMLE	40	
	212	
Block 8	92 hrs.	5 weeks
Behavioral Sciences	32	
Epidemiology	15	
Clinical SKILLS	20	
USMLE Step 1 Review	25	
	92	
Block 9	212hrs	8 weeks
Pathology	72	
Pharmacology	32	
Clinical Skills	20	
Doctoring	48	
USMLE Step 1 Review	40	
	212	
Block 10		
Clinical Sciences	96	6 weeks
USMLE Step 1 Review	30	
	126	

The Clinical Sciences program begins in the 3rd year of the doctor of medicine program. Students who complete the preclinical program will matriculate into the clinical sciences program.

The Clinical Clerkship proceeds the six (6) trimesters of preclinical sciences and two (2) weeks' clinical foundation program. The core clinical clerkship courses are done during the third year of the doctor of medicine program. Core clerkship is divided into two 26 weeks' sections. The Core Clerkship I (CC I) courses are Medical Center-based, while Core Clerkships II (CC II) are either Medical Center-based or Community Health Center-based.

Clinical Science Clerkship Courses	No Weeks	Credit	Min. Inst. Hrs.
CCI – Medical Centre			
Medicine	8	8	460
Emergency Medicine	4	4	216
Surgery	4	4	216
Pediatrics	4	4	216
Family Medicine	4	4	216
Neurology	2	2	80
CCII – Ambulatory Centre			
Internal Medicine - Primary Care	2	2	80
Family Medicine - Primary Care	2	2	80
Obstetrics-Gynecology	6	6	408
Psychiatry	6	6	240
Surgery	4	4	160
Pediatrics including adolescent medicine	2	2	80
Radiology-imaging	2	2	80
Community service project	2	2	80
Yr. 4			
Selective	4	4	216
Electives	20	20	968
Medical/Clinical Research	8	8	320
	84	84	4116

Selective and Elective Clerkship Yr. – 4:

The fourth-year comprises the final ten (10) months of the clinical clerkship period. The first twelve (12) weeks cover the required clinical clerkship and a minimum of six (6) weeks must be completed in an inpatient setting. The remaining period comprises clinical elective clerkship courses and research.

Required Clinical Clerkship in the fourth year: 4 weeks

Students choose at least one (1) of the following three (3) clerkships.

4 weeks – Medicine selective

4 weeks – Surgery selective

4 weeks – Chronic Care selective

The Elective Clinical Clerkship is in the fourth year:

20 weeks – Other electives

8 weeks – Medical/Clinical Research

Total Clerkship weeks: 32 weeks

Total Clerkship Credits: 32 credits

Require Credit hours per week: 40 hrs. Minimum, but must not exceed 80 hrs. per week

Associate of Science and Bachelor of Science in Nursing

Introduction

The conceptual framework describes inter-related outcome abilities and key concepts upon which the nursing curriculum is based. The eight key concepts of humankind, environment, research, legal/ethical/political dimensions, information processing, teaching/learning, health promotion, and management constitute the basis of the GAU Department of Nursing curriculum. These key concepts are organized within four outcome abilities: caring, critical thinking, communication, and professional practice. These outcome abilities serve as measures of the student's progression through the curriculum.

Course Outline

Associates of Science in Nursing – Year 1 – 2

- Students who complete the prerequisite courses and first year of nursing program will be qualified to take the US licensed practical nurse examination.
- Students who complete the prerequisite courses and 2 years of nursing program will be qualified for the Associate of Science in Nursing Degree and qualified to take the NCLEX examinations

Bachelor of Science in Nursing – Year 1 – 4

- Students who complete the prerequisite courses and first 3 years of the nursing program will be qualified for the Guyana Nursing Council Examination.
- Students who complete the prerequisite courses and full 4 years of nursing program will be qualified for the Bachelor of Science in Nursing Degree

Course No.	Course	Credit
	Pre-requisite	

NAT 113	Anatomy and Physiology I	5
NAT 123	Anatomy and Physiology II	5
SOC 122	Psychology and Human Behavior	2
SOC 111	Professional Development	4
NAT 226	Microbiology	4
	Humanities	3
		23
	English Composition	3
RN 110	Professional Nursing Competencies	2
RN 111	Professional Nursing Concept I	1
RN 112	Healthcare Concept I	4
RN 113	Pharmacology	3
RN 114	Clinical I	1
RN 123	Human Growth and Development	3
RN 122	Healthcare Concept II	5
RN 121	Professional Nursing Concept II	1
RN 124	Clinical II	2
		25
RN 213	Dose calculation for nursing	1
RN 211	Professional Nursing Concepts III	1
RN212	Healthcare Concepts III	5
RN214	Clinical III	5
RN223	Professional Nursing Review and Licensure	2
RN 222	Healthcare Concept IV	5
RN 221	Professional Nursing Concept IV	1
RN 224	Clinical IV	5
		25
RN 3065	Comprehensive Health Assessment	3
RN 3805	Professional Nursing in the Evolving Healthcare System	3

RN 6066	Clinical Reasoning: Health Assessment	3	
RN 3123	Pathophysiology and Pharmacology	4	
RN 3826	Legal and Ethical Issues in Nursing	2	
RN 3169	Inquiry and Evidence in Professional Nursing Practice	3	
RN 3197	Genetics and Genomics in Nursing Practice	2	
RN4944	Transition to Professional Practice I	5	
		25	
RN 3816	Seminar in Professional Nursing	1	
RN 4108	Clinical Reasoning and Personalized Nursing Care: Population Health	4	
RN 4837	Healthcare Policy, Finance and Regulatory Environments	2	
RN 4108	Policy and Change in Nursing Practice	3	
RN 4827	Leadership and Innovation in Nursing Practice	2	
RN 4815	Professional Nursing Transformation	3	
RN4944	Transition to Professional Practice II	5	
	Elective	2	
		22	
Total Hours and Credit per Program		120	

Courses Required for Nursing Programs

License Practical Nurse courses	Associate of Science in Nursing courses	Bachelor of Science in Nursing courses	Courses required to be completed to qualify for LPN examination	Courses required to be completed to qualify for Asc. In Nursing and NCLEX Examination	Courses required to be completed for BSc.in Nursing
	Prerequisite Courses				
	Anatomy and Physiology I				
	Anatomy and Physiology II				
	Psychology and Human Behavior				
	Professional Development				
	Microbiology				
	Humanities				
	Year 1				
	English Composition				
	Professional Nursing Competencies				
	Professional Nursing Concept I				
	Healthcare Concept I				
	Pharmacology				
	Clinical I				
	Human Growth and Development				
	Healthcare Concept II				
	Professional Nursing Concept II				
	Clinical II				
	Year 2				
	Dose calculation for nursing				
	Professional Nursing Concepts III				
	Healthcare Concepts III				
	Clinical III				
	Professional Nursing Review and Licensure				
	Healthcare Concept IV				
	Professional Nursing Concept IV				
	Clinical IV				
	Year 3				
	Comprehensive Health Assessment				
	Professional Nursing in the Evolving Healthcare System				
	Clinical Reasoning: Health Assessment				
	Pathophysiology and Pharmacology				
	Legal and Ethical Issues in Nursing				
	Inquiry and Evidence in Professional Nursing Practice				

		Genetics and Genomics in Nursing Practice			
		Transition to Professional Practice I			
		Year 4			
		Seminar in Professional Nursing			
		Clinical Reasoning and Personalized Nursing Care: Population Health			
		Healthcare Policy, Finance and Regulatory Environments			
		Policy and Change in Nursing Practice			
		Leadership and Innovation in Nursing Practice			
		Professional Nursing Transformation			
		Transition to Professional Practice II			
		Elective			

Associate of Science and Bachelor of Science in Cybersecurity

Introduction

The purpose of the Cybersecurity certificate is to prepare students to advance in the challenging field of Cybersecurity. In addition, the program develops competencies in breach detection, mitigation, and prevention.

Associates Degree in Sciences: awarded completion of first two years of core courses and general education courses.

Bachelor Degree in Sciences: awarded on completing the Associates of Science Degree in Sciences and the core courses of years 3 and 4.

Course outline: Associate Degree

Course No.	General Education Course	Credit
TEC 1011	Introduction to Networking	2
TEC 1021	Introduction to Programming	2
TEC 1031	IT Systems	2
SOC 122	Psychology and Human Behavior	2
SOC 111	Professional Development	4
NAT 134	Biostatistics	3
HUM	Humanities	3
ENG	English Composition and Communications	3
		21
Course No.	Major Course	Credits
TEC 1211	Introduction to Cryptography	4
TEC 1221	Principles Cybersecurity	4
TEC 1231	Foundations Cybersecurity	4

TEC 1311	Network Defense	4
TEC 1321	Operating Systems Concepts	4
TEC 1331	Elective	4
		24
Year 2		
TEC 2011	Cyber Threats	3
TEC 2021	Cybersecurity Planning Management	3
TEC 2031	Policy, Legal, Ethics and Compliance	3
TEC 2101	Security Program Management	3
TEC 2111	Security Risk Analysis	3
TEC 2121	Elective (CL)	4
TEC 2311	Project	6
		25

Students who complete the Associate Degree in Cybersecurity will be eligible to matriculate into the Bachelor of Sciences program.

Course outline: Bachelor of Science

Courses	Credits	
Year 3		
TEC 3011	International Cybersecurity Organizations	3
TEC 3021	International Standards and Requirements— A Survey of Bodies and Practices	3
TEC 3031	Cybersecurity Frameworks	3
TEC 3111	Penetration Testing and Ethical Hacking (CL)	3

TEC 3121	Offensive Penetration Testing (CL)	1
TEC 3131	Certified Information System Auditor (CL)	2
TEC	Elective	2
TEC	Elective	2
TEC 3211	Project	6
		26
Year 4		
TEC 4011	Advance Penetration Testing (CL)	2
TEC 4111	Certified Information Systems Security (CL)	2
TEC	Elective – Pathway program (CL)	5
TEC	Elective – Pathway program (CL)	5
TEC	Elective – Pathway program (CL)	5
TEC 4211	End of Year Project	7
Total Hours and Credit per Program		26



Courses Required for Programs

Associate of Science in Cybersecurity	Bachelor of Science in Cybersecurity		
Prerequisite			
	Introduction to Networking	Cybersecurity	Courses required to be completed to qualify for A.Sc. In Cybersecurity
	Introduction to Programming		
	IT Systems		
	Psychology and Human Behavior		
	Professional Development		
	Biostatistics		
	Humanities		
	English Composition and Communications		
Year 1			
	Introduction to Cryptography		
	Principles Cybersecurity		
	Foundations Cybersecurity		
	Network Defense		
	Operating Systems Concepts		
	Elective		
Year 2			
	Cyber Threats		
	Cybersecurity Planning Management		
	Policy, Legal, Ethics and Compliance		
	Security Program Management		
	Security Risk Analysis		
	Elective (CL)		
	Project		
	Year 3		
	International Cybersecurity Organizations		
	International Standards and Requirements— A Survey of Bodies and Practices		
	Cybersecurity Frameworks		
	Penetration Testing and Ethical Hacking (CL)		
	Offensive Penetration Testing (CL)		
	Certified Information System Auditor (CL)		
	Elective		
	Elective		

	Project		
	<u>Year 4</u>		
	Advance Penetration Testing (CL)		
	Certified Information Systems Security (CL)		
	Elective – Pathway program (CL)		
	Elective – Pathway program (CL)		
	Elective – Pathway program (CL)		
	End of Year Project		

Grading Scale:

Preclinical Sciences

70 – 100	Satisfactory
Less than 70	Fail

Clinical Sciences, Premedical Sciences, Nursing and Cybersecurity

90-100%	Honor (H)
80-89%	High Pass (HP)
70-79%	Pass (P)
Less than 70	Fail

Examinations requirement for Graduation:

The following exams, in addition to individual course assessment, must be passed to receive a Doctor of Medicine Degree from GAU

- Professional Development Weeks/Assessment Exercises – Years 1-2
- GAU Comprehensive OSCE Exams Years 2 & 3 & 4 (*implemented 2020*)
- NBME Comprehensive Exams Year 2 & 4

The general requirements for Graduation from the Doctor of Medicine Program:

Students must complete all requirements before graduating from the University. Each candidate must have:

1. Complete the required courses prescribed for their chosen curriculum (see pages 18-19 for Preclinical Sciences and Clinical Sciences checklist for program completion;
2. An approved audit on file with the academic office for each academic program in which enrolled
3. File a graduation application on or before the deadline

To be eligible to participate in a commencement ceremony and be listed in the commencement program, all degree candidates must be eligible for Graduation.

Students who have not completed eligibility for Graduation before the commencement ceremony should still be entitled to uplift transcripts and certification upon completion of all requirements. These students will be eligible to participate in a commencement ceremony proceeding their Graduation from the program.

Georgetown American University
Minimum requirements for Preclinical Science Completion
Preclinical (Basic) Sciences Checklist

Pre-clerkship Courses	No. of Weeks	Weeks completed	Date(s) Completed	Question Bank completion
Block 1: Foundations of Medicine	8			
Block 2: Cardiovascular, Respiratory and Renal Systems I	9			
Block 3: GI, Endocrine and Reproductive Systems I	8			
Block 4: Musculoskeletal System	5			
Block 5: Clinical Neurosciences I	5			
NBME Step 1 comprehensive exam				
Pre-clerkship Professional Development Weeks				
Block 6: Infectious Disease	9			
Block 7: Neurosciences II	5			
Block 8: Cardiovascular, Respiratory and Renal Systems II	9			
Block 9: GI, Endocrine and Reproductive Systems II	9			
Block 10: Introduction to Clinical Sciences	2			
Preclinical Sciences Comprehensive Exams				
Pre-clerkship Professional Development Weeks				

Georgetown American University
Minimum requirements for Clinical Science Completion
Clinical Sciences Checklist

Core Clerkship Rotations	No. of Weeks	Weeks completed	Date(s) Completed	NBME completed	Approved Question bank for Clinical Sciences completed
Medicine	8				
Emergency Medicine	4				
Surgery	4				
Pediatrics	4				
Family Medicine	4				
Neurology	2				
Internal Medicine - Primary Care	2				
Family Medicine - Primary Care	2				
Obstetrics-Gynecology	6				
Psychiatry	6				
Surgery	4				
Pediatrics including adolescent medicine	2				
Radiology-imaging	2				
Community service project	2				
Elective/Selective Clerkship Rotations	No. of Weeks				
Selective	4				
Selective Course Name	Weeks completed	Date Completed			
Elective	20				
Elective Course Name	Weeks completed	Date Completed			
Research paper					

Board Examinations

GAU prepares students to take the United States Licensing Board Examination (USMLE). To date, the following board exams were taken by GAU medical students:

- 2. USMLE 1**
- 3. USMLE 2 CS and CK**
- 4. USMLE 3**
- 5. CAMC (Caribbean Medical Council Exam)**
- 6. Medical and Dental Council of Nigeria Board Exam**

GAU is also approved by the General Medical Council of the United Kingdom, and thus GAU students are qualified to apply for the PLAB.

Cybersecurity Certification

The following certification can be completed during the four years of study of the cybersecurity program

- 1. CompTIA Security+**
- 2. CEH**
- 3. CISM**
- 4. CCSP**
- 5. CASP**
- 6. SSCP**

The following certification can be completed during the first two years of study of the Nursing program

- 1. LPN (after completing the first 12 - 18 months)**
- 2. RN (after completing the first two years)**

Policies

GAU has several active policies that govern students learning, services, and support. Copies of these policies are available for students to review on the dashboard of the Student Management System. The following policies are listed:

- 1. Honor Council Policy**
- 2. Student Mistreatment Policy**
- 3. Complaint Policy**
- 4. Counselling Policy**
- 5. Withdrawal Policy**
- 6. Diversity and Equality Policy**
- 7. Tuition fee Policy and Principles Fee Assessment**



CONTACT US

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