



**BAY UNIVERSITY**  
SCHOOL OF MEDICINE

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## **ACADEMIC CALENDAR & PROGRAM STRUCTURE**

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Bay University has 3 intakes and 3 semesters during a calendar year in January, March & September. Below are the approximate calendar dates for 2022.



## Spring 2022 Academic Calendar

Event	Date
Scholarship applications due	November 3, 2022
Tuition due	<b>New students:</b> semester payment due upon acceptance <b>Existing students:</b> semester payment due 2 weeks before the start of the semester
New student move-in	January 10-11, 2022
New student orientation	January 12-14, 2022
First day of classes (returning students)	January 13, 2022
First day of classes (new students)	January 17, 2022
Last day of registration/withdrawal	January 13, 2022
Final exams	April 19-21, 2022
Last day of classes	April 21, 2022

*Note: dates are approximate and are subject to change slightly.*

## Summer 2022 Academic Calendar

Event	Date
Scholarship applications due	March 3, 2022
Tuition due	<b>New students:</b> semester payment due upon acceptance <b>Existing students:</b> semester payment due 2 weeks before the start of the semester
New student move-in	May 10-11, 2022
New student orientation	May 12-15, 2022
First day of classes (returning students)	May 13, 2022
First day of classes (new students)	May 17, 2022
Last day of registration/withdrawal	May 13, 2022
Final exams	August 18-22, 2022
Last day of classes	August 22, 2022

*Note: dates are approximate and are subject to change slightly.*

## Fall 2022 Academic Calendar

Event	Date
Scholarship applications due	August 17, 2022
Tuition due	<b>New students:</b> semester payment due upon acceptance <b>Existing students:</b> semester payment due 2 weeks before the start of the semester
New student move-in	September 6-7, 2022
New student orientation	September 8-10, 2022
First day of classes (returning students)	September 9, 2022
First day of classes (new students)	September 13, 2022
Last day of registration/withdrawal	September 9, 2022
Final exams	December 15-17, 2022
Last day of classes	December 17, 2022

*Note: dates are approximate and are subject to change slightly.*

## Pre-Med Program

Bay University runs a Pre-Medical Program for the prospective students who run short of eligibility for the MD Program. This Program is meant for students who have twelve years of schooling and will bridge the knowledge gap to understand the subjects of Medical Sciences. Beside Physics, Chemistry, Mathematics and Calculus, Research Methodology and Laboratory Procedures are introduced in these modules. Basic Life Support Training is mandatory for all the Pre-Med students.

**Semesters:** 4

**Duration:** 16 months (compressed into 12 months)

**Tuition (Per semester):** 5200 USD

**Location:** Bay University School of Medicine, Aruba

### *Program Requirements*

High school graduates, who have completed secondary schooling or its equivalent, are accepted for preparation to the MD Program. The PreMed Program is designed to facilitate the smooth transition to the MD Program of the University through its innovative curriculum.

Admission decision is based on Cumulative GPA score, the strength of your application and interview.

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## Phase 1: Basic Sciences

Two year Basic Sciences Program is organized into six 3-4 Month Semesters of which the Sixth Semester is booked for updating the subject materials through Multi-System Seminar(MSS) and strengthening the conceptual materials of medicine through Comprehensive Review. Many topics are delivered through 'Theme Based Approach' with the objective of acquiring thorough comprehensive knowledge of the subjects. All the students attending Bay University prepare themselves to enter Residency through USMLE, to practice medicine in the US. Basic Sciences is taught in the Aruba campus by renowned and experienced professors using Hi-Tech Teaching Technology and simulations that enhance the medical school experience.

**Semesters:** 6

**Duration:** 2 years

**Tuition (Per semester):** 7200 USD

**Location:** Bay University School of Medicine, Aruba

### **Semester 1 (Med-1)**

- M-0: Basic Concept, Growth, Development and Genetics: This module introduces students to the foundational concepts of human growth and development, with a specific focus on the role of genetics in health and disease.
- M-1: Nutrition and Metabolism: Students learn about the basics of human nutrition, the processes involved in the metabolism of nutrients, and the relation between diet, metabolism, and disease.

### **Semester 2 (Med-2)**

- M-2: Blood and Immunology: This module covers the composition and functions of blood, the immune response, and how the immune system protects the body from disease.
- M-3: Gastrointestinal and Hepato-Biliary System: Students study the structure, functions, and disorders of the gastrointestinal tract and the liver-biliary system.

### **Semester 3 (Med-3)**

- M-4: Respiratory System: The structure, function, and pathophysiology of the respiratory system, including the mechanisms of breathing and gas exchange, are studied in this module.
- M-5: Cardiovascular System: This module involves the study of the heart and blood vessels, understanding how they function to deliver blood and oxygen throughout the body, and the diseases that affect this system.

### **Semester 4 (Med-4)**

- M-6: Endocrinology and Reproduction: This course dives into the study of hormones, their effects on the body's metabolism, and the physiological processes of human reproduction.
- M-7: Renal System, Fluid and Electrolyte Balances: Students study the renal system's anatomy and physiology, its role in maintaining fluid and electrolyte balance, and related disorders.

### **Semester 5 (Med-5)**

- M-8: Nervous System: This module covers the structure and function of the nervous system, including the brain, spinal cord, and peripheral nerves, and how they control body functions.
- M-9: Musculoskeletal and Integumentary System: This module involves the study of the skeletal, muscular, and skin systems, their functions, and related disorders.

## Semester 6 (Med-6)

- M-10: Seminar and Research Project: Students participate in seminars and undertake research projects to deepen their understanding of medicine and apply what they've learned.
  - M-11: USMLE Step 1 Preparation: This module prepares students for the United States Medical Licensing Examination (USMLE) Step 1, which tests their understanding of basic science principles.
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## Phase 2: Clinical Sciences

Bay University assigns Clinical Rotations and trains its medical students in ACGME accredited teaching hospitals and University approved clinical centres in the US. After completing two years of Basic Sciences Courses in Aruba Campus, all the students move on to North American Hospitals for Clinical Rotation. During this part of their study, they serve as a member of a team that comprises students, residents and consultants that will enhance their learning experiences. During their rotation, they are involved in History Taking, Physical Examination, Interpretation of Laboratory Data and Radiology Investigations and undertake certain Procedures. This period is meant for 'Core' and 'Elective' Rotation and on successful completion, they move on to the Residency Program through the National Residency Matching Program. The students also can opt for a Non-US hospital for their clinical rotation at this stage.

**Duration:** 2 years

**Tuition (Per Core Rotation):** 8200 USD

**Tuition (Per Elective Rotation):** 5200 USD

**Location:** ACGME Accredited Teaching Hospitals and university approved clinical centers worldwide.

### Core Rotations

Bay University students enter the exciting phase of their studentship through four Core Rotations of 6-12 Weeks each, and each student spends 48 Weeks in these training programs. This part of the training program is organized in renowned ACGME accredited teaching hospitals in the and University approved clinical centers in the US, or any other teaching Hospital which has been pre-approved by the university.

IM: Internal Medicine (12 weeks)

The 12-week internal medicine rotation trains students in core clinical skills required to diagnose and treat a range of medical problems. This includes mastering the art of patient information assessment, conducting accurate physical examinations, and integrating these with diagnostic results to formulate differential diagnoses and treatment plans.

In addition to this, students also learn effective communication skills with patients and medical staff. Throughout the rotation, students experience various medical sub-specialties including Dermatology, Cardiology, Endocrinology, Pulmonary Medicine, and more. Students present cases weekly to preceptors, receiving constructive feedback to further hone their clinical skills.

### GS: General Surgery (12 weeks)

The surgical clerkship provides an integrated clinical experience focusing on understanding the pathophysiology of disease, the use of surgical intervention, and the management of pre- and post-operative problems. Students learn procedural skills like catheterization, venipuncture, suturing, and gain exposure to operating room dynamics. It includes lectures, group discussions, clinical/hospital interactions, and case studies.

### OG: Obstetrics & Gynecology (6 weeks)

Students gain knowledge and experience in managing normal and abnormal changes during pregnancy, delivery, and the puerperium, as well as diagnosing and treating gynecologic disorders. Practical skills include performing pelvic examinations, passing a speculum, and obtaining cervical smears. The curriculum also includes observing minor and major surgical procedures.

### PA: Pediatrics and Adolescent Medicine (6 weeks)

This rotation focuses on history collection, pediatric clinical examination, diagnosis, and treatment of pediatric diseases. Students learn about child growth and development, infant feeding, child nutrition, preventative pediatrics, and the management of serious and chronic illnesses. Experiences in the emergency department, newborn care, and intensive care units are also included.

### PS: Psychiatry (6 weeks)

The clerkship in Psychiatry acquaints students with the psychological aspects of human behavior in health and disease, and the diagnosis and management of psychiatric disorders. Students observe and conduct psychiatric interviews and mental status examinations. The clinical rotation includes experience with inpatient psychiatry, outpatient psychiatry, child psychiatry, and substance rehabilitation programs.

### FM: Family Medicine and Emergency Care (6 weeks)

This primary care specialty focuses on providing first contact, ongoing, and preventive care to patients. Students learn how context influences the diagnostic process and management decisions across a wide variety of acute and chronic presentations. The



clerkship aims to impart knowledge on managing medical patients and understanding family dynamics in health care.

## Elective Rotation

Elective Rotations of 4-6 weeks each are available in the following subjects. The duration may vary according to the student's need, but a minimum of 4 weeks must be spent in a subject/specialty, and a minimum of 24 weeks must be spent in Elective Rotation. Students can repeat an Elective Rotation two times, based on their performance with the recommendation of Clinical Chairs. Choosing an Elective Rotation depends on the Career Choice of the student through which they grow in life.

- CA: Cardiology
  - NE: Neurology
  - EN: Endocrinology
  - OP: Ophthalmology
  - OH: Otorhinolaryngology & Head and Neck Surgery
  - OS: Orthopedic Surgery
  - DV: Dermatology and Venereology
  - RI: Radiodiagnosis and Imaging
  - GE: Gastroenterology
  - PS: Plastic Surgery
  - RD: Research and Diagnostics
  - Any other speciality
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