BSC. MAJOR IN INFORMATION TECHNOLOGY

The Department of Computer Science, Mathematics & Physics offers a Major and Minor in Information Technology. In association with the Faculty of Social Sciences, the Options of a Double Major combining Information Technology with Accounting or Management are also offered to select students (Refer to the Undergraduates Student Handbook for Options in conjunction with other Faculties).

Provided below is a complete list of all the courses offered in the Major in Information Technology:

MAJOR IN INFORMATION TECHNOLOGY:

LEVEL I
COMP1170 Entrepreneurship for Computer Scientists
COMP1180 Mathematics for Computer Science I
COMP1205 Computing I
COMP1210 Computing II
COMP1215 UNIX

LEVEL II
COMP2225 Software Engineering
COMP2232 Object-Oriented Programming Concepts
COMP2410 Computing in the Digital Age
COMP2415 Information Technology Engineering
COMP2611 Data Structures

LEVEL III
COMP3330 Database Management Systems I
COMP3415 Database Management Systems II
COMP3435 User-Interface Design

AND at least Six (6) Credits (including at least one Level III course) from Information Technology Elective Courses:
COMP2210 Mathematics for Computer Science II
COMP2220 Computer System Architecture
COMP2235 Networks I
COMP2245 Web Development Concepts, Tools and Practices
COMP2950 Computer Science Elective
COMP3310 Algorithms

COMP3320 Design Principles of Operating Systems
COMP3360 Networks II
COMP3365 Networks III
COMP3450 Fundamentals of Artificial Intelligence
COMP3370 Software Engineering On A Large Scale
COMP3375 Software Testing and Quality
COMP3385 Framework Design For Advanced Web Development
COMP3412 Scalable Enterprise Web Applications
COMP3420 Computer Graphics
COMP3425 Mobile Applications for iOS Devices
COMP3440 E-Commerce
COMP3445 Computer Information Systems
COMP3490 Research Project in Computer Science
COMP3495 Major Research Project in Computer Science (6 Credits)
COMP3499 Group Research Project in Computer Science
COMP3955 Computer Science Internship

MINOR IN INFORMATION TECHNOLOGY [Fifteen (15) Credits]:

At Least Nine (9) Credits From:

COMP2225 Software Engineering
COMP2232 Object-Oriented Programming Concepts
COMP2410 Computing in the Digital Age
COMP2415 Information Technology Engineering
COMP2611 Data Structures
COMP3330 Database Management Systems I
COMP3435 User Interface Design
COMP3415 Database Management Systems II

AND At Most Six (6) Credits From:

COMP2210 Mathematics for Computer Science II
COMP2220 Computer System Architecture
COMP2235 Networks I
COMP2245 Web Development Concepts, Tools and Practices
COMP2950 Computer Science Elective
COMP3310 Algorithms
COMP3320 Design Principles of Operating Systems
COMP3360 Networks II
COMP3365 Networks III
COMP3450 Fundamentals of Artificial Intelligence
COMP3370 Software Engineering On A Large Scale
COMP3375 Software Testing and Quality
COMP3385 Framework Design For Advanced Web Development
COMP3412 Scalable Enterprise Web Applications
COMP3420 Computer Graphics
COMP3425 Mobile Applications for iOS Devices
COMP3440 E-Commerce
COMP3445 Computer Information Systems
COMP3490 Research Project in Computer Science
COMP3495 Major Research Project in Computer Science (6 Credits)
COMP3499 Group Research Project in Computer Science

For further details on the Computer Science programme, contact the Discipline Coordinator for the Information Technology Programme – Dr. Thomas Edward, via email at thomas.edward@cavehill.uwi.edu, or via telephone at (246) 417-4029 or (246) 417-4365.