

DEPARTMENT OF COMPUTING

LIST OF UNDERGRADUATE COURSES

CODES	TITLES	CREDIT	SEMESTER OFFERED	Level	PREREQUISITES
LEVEL I					
COMP1126	INTRODUCTION TO COMPUTING I	3 Credits	Semester 1 & 2	1	Any one of the following: <ul style="list-style-type: none"> • CAPE (or A-level) Science subject [Units 1 & 2] • ECON1003 • Teacher's College Diploma or Assoc. Degree in Mathematics or Science or Information Technology
COMP1127	INTRODUCTION TO COMPUTING II	3 Credits	Semester 1 & 2	1	Any one of the following: <ul style="list-style-type: none"> • CAPE (or A-level) Science subject [Unit 1 & 2] • ECON1003 • Teacher's College Diploma or Assoc. Degree in Mathematics or Science or Information Technology
COMP1161	OBJECT-ORIENTED PROGRAMMING	3 Credits	Semester 1 & 2	1	COMP1126 and COMP1127
COMP1210	MATHEMATICS FOR COMPUTING	3 Credits	Semester 1 & 2	1	CSEC Mathematics
COMP1220	COMPUTING AND SOCIETY	3 Credits	Semester 1 & 2	1	None
LEVEL II					
COMP2130	SYSTEMS PROGRAMMING	3 Credits	Semester 1 or 2	2	COMP1126, COMP1127 and COMP1161
COMP2140	SOFTWARE ENGINEERING	3 Credits	Semester 1	2	COMP1126, COMP1127 and COMP1161
COMP2170	OBJECT TECHNOLOGY	3 Credits	Semester 2	2	COMP2140
COMP2190	NET-CENTRIC COMPUTING	3 Credits	Semester 1	2	COMP1126, COMP1127, COMP1161, and (COMP1210 or MATH1152) May not be credited with COMP3150(CS32Q)
COMP2201	DISCRETE MATHEMATICS FOR	3 Credits	Semester 1	2	COMP1210 or MATH1152

CODES	TITLES	CREDIT	SEMESTER OFFERED	Level	PREREQUISITES
	COMPUTER SCIENCE				
COMP2211	ANALYSIS OF ALGORITHMS	3 Credits	Semester 2	2	COMP1126, COMP1127, COMP1161 and COMP1210
COMP2340	COMPUTER SYSTEMS ORGANIZATION	3 Credits	Semester 2	2	COMP1126, COMP1127, COMP1161 and COMP1210
INFO2100	MATHEMATICS AND STATISTICS FOR IT	3 Credits	Semester 2	2	COMP2201
INFO2110	DATA STRUCTURES FOR IT	3 Credits	Semester 1	2	COMP1126, COMP1127 and COMP1161
INFO2180	DYNAMIC WEB DEVELOPMENT 1	3 Credits	Semester 1	2	COMP1126, COMP1127 and COMP1161
LEVEL III					
COMP3101	OPERATING SYSTEMS	3 Credits	Semester 1	3	COMP2340
COMP3161	DATABASE MANAGEMENT SYSTEMS	3 Credits	Semester 2	3	COMP2201
COMP3191	PRINCIPLES OF COMPUTER NETWORKING	3 Credits	Semester 1	3	COMP2190
COMP3192	IMPLEMENTATION OF COMPUTER NETWORKS	3 Credits	Semester 2	3	COMP3191
COMP3220	PRINCIPLES OF ARTIFICIAL INTELLIGENCE	3 Credits	Semester 1	3	COMP2211 and COMP2201
COMP3270	USER INTERFACE DESIGN	3 Credits	Semester 1 or 2	3	INFO2180 or COMP2140
COMP3652	LANGUAGE PROCESSORS	3 Credits	Semester 1 or 2	3	COMP2211
COMP3702	THEORY OF COMPUTATION	3 Credits	Semester 2	3	COMP2201
COMP3801	REAL-TIME EMBEDDED SYSTEMS	3 Credits	Semester 1	3	COMP2340 and COMP2140
COMP3901	CAPSTONE PROJECT	3 Credits	Semester 2 and Summer	3	COMP2140, COMP2211, and Any 6 credits of Level 2 or 3 Computing code courses
COMP3911	INTERNSHIP IN COMPUTING I	3 Credits	Semester 1, 2 and Summer	3	Permission of the Head of Department
COMP3912	INTERNSHIP IN COMPUTING II	6 Credits	Semester 1, 2 and Summer	3	Permission of the Head of Department
INFO3105	COMPUTER SYSTEM ADMINISTRATION	3 Credits	Semester 1	3	COMP2340 and COMP2190

CODES	TITLES	CREDIT	SEMESTER OFFERED	Level	PREREQUISITES
INFO3110	INFORMATION SYSTEMS	3 Credits	Semester 2	3	COMP2140 and COMP2190
INFO3155	INFORMATION ASSURANCE AND SECURITY	3 Credits	Semester 2	3	COMP2190 and (COMP2201 or INFO2100)
INFO3170	USER INTERFACE DESIGN FOR IT	3 Credits	Semester 1	3	COMP2160 or COMP2140 or INFO2180
INFO3180	DYNAMIC WEB DEVELOPMENT II	3 Credits	Semester 2	3	INFO2180
INFO3435	ECOMMERCE	3 Credits	Semester 1	3	COMP2140 and INFO2180
SWEN3130	SOFTWARE PROJECT MANAGEMENT	3 Credits	Semester 1	3	COMP2140
SWEN3145	SOFTWARE MODELING	3 Credits	Semester 1	3	COMP2140 and COMP2170
SWEN3165	SOFTWARE TESTING	3 Credits	Semester 2	3	COMP2140 and COMP2170
SWEN3185	FORMAL METHODS AND SOFTWARE RELIABILITY	3 Credits	Semester 2	3	COMP2201
SWEN3920	CAPSTONE PROJECT (SOFTWARE ENGINEERING)	6 Credits	Semester 2 and Summer	3	COMP2140, SWEN3130, SWEN3145, SWEN3165 AND SWEN3185

**Note: 1) Students cannot do a double major in Computing disciplines
2) Students cannot do a major and a minor in Computing disciplines**