

RECOMMENDED PROGRAMME SEQUENCES

Bulletin Yrs. 2017-2019

B.Sc. Computing – Software Systems Emphasis

Minor in Business Administration

(Students taking the Mathematics Minor may replace *Businesss courses* with those required for Math.)

Year I

Semester 1

Course Code	Course Name	Credits	Pre-Requisite(s)
CPTR120	Introduction to Computer Programming	3	None
MATH182	Calculus with Applications	3	MATH165
ENGL125	Academic Writing I	3	CXC ENGLISH
RELT100	God and Human Life	3	None
COMM104	Communication Skills	3	None
IDSC110	College Success & Career Planning	1	None
		16	

Semester 2

Course Code	Course Name	Credits	Pre-Requisite(s)
CPTR150	Computer Science I	3	CPTR120, MATH182
CPTR170	Microcomputer Hardware	3	None
ECON226	Principles of Microeconomics	3	MATH165
HLED220	Community and Environmental Health	3	None
PEAC110 or PEAC130	Personal Physical Fitness Special Activities	1	None
PSYC101	Introduction to Psychology	3	None
		16	

Year 2

Semester 1

Course Code	Course Name	Credits	Pre-Requisite(s)
CPTR251	Computer Science II	3	CPTR150, MATH355 (Co. Req.)
RELB210	Jesus in His Time and Ours	3	None
MATH215	Introduction to Linear Algebra	3	MATH182 / MATH141
ACCT121	Fundamentals of Accounting I	3	None
ENGL225	Academic Writing II	3	ENGL125
TCED285/ HMEC129	(Vocational Elective)	1	None
		16	

Semester 2

Course Code	Course Name	Credits	Pre-Requisite(s)
CPTR270	Computer Organization & Assembler	3	CPTR150, CPTR170
IDSC205	Introduction to Fine Arts	2	None
ACCT122	Fundamentals of Accounting II	3	ACCT121
HIST147 or HIST104/5	West Indian History World Civilizations I / II	3	None
BHSC100	Philosophy of Service	2	None
ECON227	Principles of Macroeconomics	3	MATH165
		16	

Year 3

Semester 1

Course Code	Course Name	Credits	Pre-Requisite(s)
CPTR311	Systems Analysis and Design	3	CPTR251
CPTR321	Database Systems Design & Development	3	CPTR251
CPTR331	Web Development	3	CPTR150
MATH355	Discrete Mathematics	3	MATH182 / MATH142
MATH141	Calculus I	4	CSEC Math Grade 1 or GCE Add Math
		16	

Semester 2

Course Code	Course Name	Credits	Pre-Requisite(s)
CPTR352	Business Programming	3	CPTR321
CPTR282	Operating Systems I	3	CPTR251, CPTR270
MATH142	Calculus II	4	MATH141
CPTR312	Networks & Telecommunication	3	CPTR251
RELT250 / RELT340 / RELT360	Religion Elective	3	None
		16	

Year 4

Semester 1

Course Code	Course Name	Credits	Pre-Requisite(s)
CPTR371	Internet Structure and Organisation	3	CPTR282, CPTR312
CPTR382	Information Management	3	CPTR321
STAT340	Probability Theory & Statistical Applications	3	MATH141 / MATH182
RELT250 / RELT340 / RELT360	Religion Elective	3	None
EDTE354	Philosophy for Education	2	None
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Semester 2

Course Code	Course Name	Credits	Pre-Requisite(s)
CPTR492	Special Projects	2	CPTR321
CPTR450	ICT Change and Documentation	3	CPTR321
CPTR411	Information Assurance and Security	3	CPTR312
PHYS115	Concepts of Physics	3	None
SPAN101 / FREN101	Foreign Language Elective	3	None
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Guidelines

1. Students are only allowed to take ONE (1) religion course per academic year.
2. Students who did not pass Caribbean History at CXC/GCE level MUST take HIST147.