

SUMMARY OF COURSES OFFERED

COMPUTATION AND MANAGEMENT SUBJECT AREA

100 Level							
Course Number	Course Title	No. of credits	Prerequisites	Compulsory Courses			
				BS	PS	AR	CO
CS 100	Computer Applications - Foundation course	2		√	√	√	√
EN 100	Basic English	1		√	√	√	√
FND 104	Society, Culture and Environment	2			√		
MT 120	Foundation course in Mathematics	2		√		√	√
CS 101	Introduction to Computer Science	3		√	√	√	√
CS 102	Programming Techniques	3		√	√	√	√
CS 104	Structured oriented Programming practical	1	CS 101, CS 102	√	√	√	√
CS 105	Object oriented Programming practical	1	CS 101, CS 102	√	√	√	√
MT 121	Mathematics for Arts/Commerce Students I	3		√		√	√
MT 122	Mathematics for Arts/Commerce Students II	3		√		√	√
ECN 101	Introductory Microeconomics I	3		√	√	√	√
ECN 102	Introductory Macroeconomics II	3		√	√	√	√
MGT 101	Principles of management	3		√	√	√	√
MGT 103	Introduction to Business Accounting	3		√	√	√	
FNA 102	Introduction to Art History and Aesthetics	3			√		
PSC 101	Introduction to State and Government	3			*		*
SE 101	Science and Society	3			*		*
200 Level							
CS 201	Data Structures	2	CS 101, CS 104, CS 105	√	√	√	√
CS 202	Data Structures Practicals	1	CS 201	√	√	√	√
CS 203	Database Management Systems	2	CS 101, CS 104, CS 105	√	√	√	√
CS 204	Programming using DBMS Packages	1	CS 104, CS 105, CS 202, CS 203	√	√	√	√
MT 221	Mathematics for Management Studies I	3		√	√	√	√
ECN 201	Intermediate Microeconomics I	3		√	√	√	√
ECN 205	Intermediate Macroeconomics II	3		√	√	√	√
MGT 206	Human Resource Management	3		√	√	√	√
MGT 207	Operations Management	3		√	√	√	√
MGT 208	Business Statistics	3		√	√	√	√
MGT 209	Project Management	3		√	√	√	√
MGT 211	Business Accounting for Decision Making	3		√	√	√	√
300 Level							
CS 303	Operating Systems Concepts	3	CS 203	√	√	√	√
CS 305	Communication Networks	2	CS 303	√	√	√	√
CS 309	Object Oriented Analysis and Design	3	CS 102, CS 201				
CS 311	Software Engineering	2	CS 201	√	√	√	√
CS 315	Design and Analysis of Algorithms	2	CS 202, CS 301				
MT 321	Mathematics for Management Studies II	3		√	√	√	√
ECN 304	Econometrics I	3		√	√	√	√
MGT 301	Marketing	3		√	√	√	√
MGT 304	Entrepreneurship	3		√	√	√	√
MGT 305	Cost & Management Accounting	3		√	√	√	√
MGT 307	Business Law	3		√	√	√	√
400 Level							
MGT 424	Strategic Management	3		√	√	√	√
MGT 438	Management Information Systems	3		√	√	√	√
MGT 421	Project involving internship	6		√	√	√	√
MGT 423	Seminar	1		√	√	√	√
	Total	115					

BS - BioScience

PS - Physical Science

*** Compulsory for Physical Science and**

AR - Arts

CO - Commerce

Commerce stream only

Note: Students opting to follow the Computation and Management Degree are required to select courses from the following course units at 400 level in addition to fulfill their credit requirements.

Semester I: 3 credits from CS 400 level courses and 2 credits from MGT 400 level courses

Semester II: 9 credits from CS 400 level or MGT 400 level of which at least 3 must be from CS 400 and 3 from MGT 400 level

<http://www.pdn.ac.lk/sci/>