COMBONI COLLEGE OF SCIENCE AND TECHONOLOGY

Computer Science Department

Distribution of the Courses among the Semesters

First Year

Semester One (1):

COURSE	Course Code	Credit Hours	Lecture	Lab	Tutorial
Arabic I	CSHU11	2	2	0	0
English I	CSHU12	2	2	0	0
Religious Studies	CSHU13/ CSHU14	2	2	0	0
Physics	CSENG11	4	2	3	2
Calculus I	CSMTH11	3	2	0	2
Algebra and Geometry	CSMTH12	3	2	0	2
Introduction to Computer Science	CSCS11	4	2	6	0
Sudanese Studies	CSHU15	2	2	0	0
Total Credit Hours		**22**			

Semester Two (2):

COURSE	Course Code	Credit Hours	Lecture	Lab	Tutorial
Computer Applications	CSCS22	3	1	6	0
Arabic II	CSHU26	2	2	0	0
English II	CSHU27	2	2	0	0
Communication Skills	CSHU28	2	2	0	0
Accounting	CSBU21	2	2	0	0
Calculus II	CSMTH23	3	2	0	2
Programming I	CSCS23	3	2	3	0
Basic Electronics	CSENG22	3	2	3	0
Computer Environment and Equipments	CSENG23	2	1	4	0
Total Credit Hours		**22**			

Second Year

Semester Three (3):

COURSE	Course Code	Credit Hours	Lecture	Lab	Tutorial
English III	CSHU39	3	2	0	0
Discrete Math. I	CSMTH34	3	2	0	2
Introduction to Statistics and Probabilities	CSMTH35	3	2	0	2
Programming II	CSCS34	3	2	3	0
Logic and Circuit Design	CSENG34	3	2	3	0
Differential Equations	CSMTH36	3	2	0	2
Principles of Management	CSBU32	2	2	0	0
Micro Processors and Assembly Language	CSENG35	3	2	3	0
Total Credit Hours		**23**			

Semester Four (4):

COURSE	Course Code	Credit Hours	Lecture	Lab	Tutorial
English IV	CSHU410	2	2	0	0
Discrete Math. II	CSMTH47	3	2	0	2
Statistical Methods	CSMTH48	3	2	0	2
Object Oriented Programming Using Java	CSCS45	3	2	3	0
Data Structures	CSCS46	3	2	3	0
Linear Algebra	CSMTH49	3	2	0	2
Computer Ethics	CSHU411	2	2	0	0
Computer Architecture	CSENG46	3	2	3	0
Total Credit Hours		**22**			

Third Year

Semester Five (5):

COURSE	Course Code	Credit Hours	Lecture	Lab	Tutorial
Visual Programming	CSCS57	3	2	3	0
Algorithms Design and Analysis	CSCS58	3	2	0	2
Operating Systems	CSCS59	3	2	0	2
File Management and Organization	CSCS510	3	2	3	0
Computer Networks	CSENG57	3	2	3	0
System Analysis and Design I	CSIS51	3	2	0	2
Project Management and Feasibility Studies	CSBU53	3	2	3	0
Total Credit Hours		**21**			

Semester Six (6):

COURSE	Course Code	Credit Hours	Lecture	Lab	Tutorial
Computer Graphics	CSCS611	3	2	3	0
Artificial Intelligence	CSCS612	3	2	3	0
System Analysis and Design II	CSIS62	3	2	0	2
Database Concepts	CSCS613	4	2	6	0
Software Engineering	CSCS614	2	2	0	0
Internet Technologies	CSCS615	3	2	3	0
Computer Security	CSCS616	2	2	0	0
Concepts Of Programming Languages	CSCS617	3	2	3	0
Total Credit Hours		**23**			

Fourth Year

Semester Seven (7):

COURSE	Course Code	Credit Hours	Lecture	Lab	Tutorial
Advanced Databases	CSCS718	3	2	3	0
Compiler Construction	CSCS719	2	2	0	0
Neural networks	CSCS720	2	2	0	0
Advanced Software Engineering	CSCS721	2	2	0	0
Digital Image Processing	CSCS722	3	2	3	0
Optional Course		3	2	3	0
Practical Training		1	0	3	0
Project I		6			
Total Credit Hours		**22**			

Semester Eight (8):

COURSE	Course Code	Credit Hours	Lecture	Lab	Tutorial
Human Computer Interaction	CSCS823	3	2	3	0
Simulation and Modeling	CSCS824	3	2	3	0
Optional Course		3	2	3	0
Optional Course		3	2	3	0
Project II		6			
Total Credit Hours		**18**			

Aggregate Totals of Credit Hours =*173*

Optional Courses:

No.	Course
1	Artificial Intelligence
2	Software Engineering
3	Information Systems
4	Net-Centric Networks
5	Computational Science

Good Luck