SUNYANI TECHNICAL UNIVERSITY

Wednesday, July 01 2020.

COMPUTER SCIENCE DEPARTMENT

COURSES FOR HND COMPUTER SCIENCE

YEAR 1　　　　　　　　　　　　　　　　　　　　　　　　　**SEMESTER 1**

COURSE CODE	COURSE NAME	CREDIT HOURS	COURSE SHORT FORM	CATEGORY
COS 101	COMMUNICATION SKILLS I	2	COM SK	CORE
MATH101	ALGEBRA	3	ALGEBRA	CORE
CPS101	FUNDAMENTAL DIGITAL ELECTRONICS	3	FD ELECT	CORE
MATH103	DISCRETE MATHEMATICS	3	D MATH	CORE
AFS100	AFRICAN STUDIES I	0	AF STD	CORE
CPS105	PRINCIPLES OF PROGRAMMING	3	PR PROG	CORE
CPS103	COMPUTER FUNDAMENTALS	2	CFUND	CORE

TOTAL CREDIT (EXCLUDING ELECTIVES)　　　　　**16**

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YEAR 1　　　　　　　　　　　　　　　　　　　　　　　　　**SEMESTER 2**

COURSE CODE	COURSE NAME	CREDIT HOURS	COURSE SHORT FORM	CATEGORY
COS 110	COMMUNICATION SKILLS II	2	COM SK	CORE
MATH102	CALCULUS	3	CALCULUS	CORE
CPS102	WEB TECHNOLOGIES I	3	WEB TECH	CORE
AS102	AFRICAN STUDIES II	2	AF STD	CORE
CPS104	C++ PROGRAMMING	3	C++	CORE
CPS106	COMPUTER SYSTEMS ARCHITECTURE	3	CS ARCH	CORE

TOTAL CREDIT (EXCLUDING ELECTIVES)　　　　　**16**

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YEAR 2　　　　　　　　　　　　　　　　　　　　　　　　　**SEMESTER 1**

COURSE CODE	COURSE NAME	CREDIT HOURS	COURSE SHORT FORM	CATEGORY
CPS201	STATISTICS AND PROBABILITY	3	STAT	CORE
CPS203	DATA STRUCTURES AND ALGORITHMS (C++)	3	D STRUCT	CORE
CPS205	SYSTEM ANALYSIS AND DESIGN	2	SAAD	CORE
CPS207	DATABASE MANAGEMENT SYSTEMS	3	DBMS	CORE
CPS209	JAVA PROGRAMMING I	3	JAVA	CORE
CPS211	COMPUTER NETWORKS I	3	COM NET	CORE

TOTAL CREDIT (EXCLUDING ELECTIVES)　　　　　**17**

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YEAR 2　　　　　　　　　　　　　　　　　　　　　　　　　**SEMESTER 2**

COURSE CODE	COURSE NAME	CREDIT HOURS	COURSE SHORT FORM	CATEGORY
CPS202	OPERATING SYSTEMS	3	OS	CORE
CPS204	JAVA PROGRAMMING LANG II	3	JAVA	CORE
CPS208	WEB TECHNOLOGIES II	3	WEB TECH	CORE
CPS210	SYSTEM ADMINISTRATION	3	SYS ADM	CORE
CPS212	COMPUTER NETWORKS II	3	COM NET	CORE

CPS 311	RESEARCH METHODOLOGY	3	RESEARCH	CORE

TOTAL CREDIT (EXCLUDING ELECTIVES)   18

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YEAR 3   **SEMESTER 1**

COURSE CODE	COURSE NAME	CREDIT HOURS	COURSE SHORT FORM	CATEGORY
CPS206	PROGRAMMING WITH VISUAL BASIC	3	VB	CORE
CPS301	SOFTWARE ENGINEERING	3	S ENG	CORE
CPS303	COMPUTER HARDWARE	3	HARDWARE	CORE
CPS305	ENTREPRENEURSHIP	2	ENT	CORE
CPS309	MANAGEMENT OF ORGANIZATION & INFORMATION SYSTEM	3	MOIS	CORE
CPS313	INDUSTRIAL ATTACHMENT	2	ATTACH	CORE

TOTAL CREDIT (EXCLUDING ELECTIVES)   16

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YEAR 3   **SEMESTER 2**

COURSE CODE	COURSE NAME	CREDIT HOURS	COURSE SHORT FORM	CATEGORY
CPS302	SOCIAL , LEGAL AND ETHICAL ISSUES IN COMPUTING	3	SLEI COM	CORE
CPS304	INFORMATION SECURITY (CRYPTOGRAPHY)	3	INFO SEC	CORE
CPS306	SUSTAINABLE ENVIRONMENTAL AND GREEN COMPUTING	2	SEGC	CORE
CPS308	COMPUTER GRAPHICS AND MULTIMEDIA	3	C GRAPH	CORE
CPS310	PROJECT WORK	6	PROJECT	CORE

TOTAL CREDIT (EXCLUDING ELECTIVES)   17

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OVERALL TOTAL CREDIT (EXCLUDING ELECTIVES)   100

GO BACK

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