

COLLEGE OF COMPUTER STUDIES  
**Bachelor of Science in Computer Science**  
Curriculum Year **2015 - 2016**

**First Year**

**First Semester**

SUBJECT CODE	SUBJECT NAME/DESCRIPTION	HOURS		UNITS		Pre- Requisite
		LEC.	LAB.	LEC.	LAB.	
CCS 18	LOGIC DESIGN AND DIGITAL COMPUTER	3.0	0.0	3.0	0.0	
CCS 59 L	INTRODUCTION TO COMPUTING	2.0	3.0	2.0	1.0	
ENG 11	COMMUNICATION ARTS 1	3.0	0.0	3.0	0.0	
FIL 11	KOMUNIKASYON SA AKADEMIKONG FILIPINO	3.0	0.0	3.0	0.0	
MTH 12	COLLEGE ALGEBRA	3.0	0.0	3.0	0.0	
PE 11	PHYSICAL FITNESS AND GYMNASTICS	2.0	0.0	2.0	0.0	
PHY 12L	INTRODUCTION TO ELECTRICITY	3.0	0.0	3.0	0.0	
<b>TOTAL</b>		<b>19</b>	<b>3</b>	<b>19.0</b>	<b>1.0</b>	

**TOTAL ACADEMIC UNIT(S): 20.0**

**Second Semester**

CCS 11 L	FUND. OF PROBLEM SOLVING AND PROGRAMMING 1	2.0	3.0	2.0	1.0	
CCS 17	PC TROUBLESHOOTING AND MAINTENANCE	3.0	0.0	3.0	0.0	
CCS 24	INTRODUCTION TO COMPUTER ORGANIZATION	3.0	0.0	3.0	0.0	CCS 18
ENG 12	COMMUNICATION ARTS 2	3.0	0.0	3.0	0.0	ENG 11
FIL 12	PAGBASA AT PAGSULAT TUNGO SA PANANALIKSIK	3.0	0.0	3.0	0.0	FIL 11
MTH 17	PLANE TRIGONOMETRY	3.0	0.0	3.0	0.0	
NSC 30	PHYSICS	3.0	0.0	3.0	0.0	
PE 12	RHYTHMIC ACTIVITIES	2.0	0.0	2.0	0.0	PE 11
<b>TOTAL</b>		<b>22</b>	<b>3</b>	<b>22.0</b>	<b>1.0</b>	

**TOTAL ACADEMIC UNIT(S): 23.0**

**SUMMER**

CCS 56	TECHNOPRENEURSHIP	3.0	0.0	3.0	0.0	
ECO 11	PRINCIPLES OF ECONOMICS	3.0	0.0	3.0	0.0	
<b>TOTAL</b>		<b>6</b>	<b>0</b>	<b>6.0</b>	<b>0.0</b>	

**TOTAL ACADEMIC UNIT(S): 6.0**

**Second Year**

**First Semester**

CCS 22	DISCRETE MATHEMATICS	3.0	0.0	3.0	0.0	CCS 18
CCS 58	HUMAN AND COMPUTER INTERACTION	3.0	0.0	3.0	0.0	CCS 11 L
CCS 60	DATA STRUCTURES AND ALGORITHM	3.0	0.0	3.0	0.0	CCS 11 L
CCS 61	INFORMATION MANAGEMENT (DBMS)	3.0	0.0	3.0	0.0	CCS 11 L
ENG 14	MODERN COMMUNICATION/EFFECTIVE WRITING	3.0	0.0	3.0	0.0	ENG 12
MTH 27	FUNDAMENTALS OF STATISTICS	3.0	0.0	3.0	0.0	
NSTP 11	NATIONAL SERVICE TRAINING PROGRAM 1	3.0	0.0	3.0	0.0	
PE 13	INDIVIDUAL AND DUAL SPORTS/GAMES	2.0	0.0	2.0	0.0	PE 12
<b>TOTAL</b>		<b>23</b>	<b>0</b>	<b>23.0</b>	<b>0.0</b>	

**TOTAL ACADEMIC UNIT(S): 23.0**

**Second Semester**

CCS 21 L	PROGRAMMING 2	2.0	3.0	2.0	1.0	CCS 60
CCS 27	PRESENTATION SKILLS I.T. TECHNICAL WRITING	3.0	0.0	3.0	0.0	ENG 14
CCS 29	SOFTWARE ENGINEERING	3.0	0.0	3.0	0.0	CCS 58
CIM 11	PRINCIPLES OF ACCOUNTING AND FINANCIAL PROCESSES	3.0	0.0	3.0	0.0	
CIT 04L	OBJECT-ORIENTED PROGRAMMING	2.0	3.0	2.0	1.0	CCS 21 L
NSTP 12	NATIONAL SERVICE TRAINING PROGRAM 2	3.0	0.0	3.0	0.0	NSTP 11
PE 14	TEAM SPORTS	2.0	0.0	2.0	0.0	PE 13
PHI 13	LOGIC	3.0	0.0	3.0	0.0	
<b>TOTAL</b>		<b>21</b>	<b>6</b>	<b>21.0</b>	<b>2.0</b>	

**TOTAL ACADEMIC UNIT(S): 23.0**

**SUMMER**

CCS 55	WEB DESIGN AND DEVELOPMENT	3.0	0.0	3.0	0.0	CCS 11 L
HUM 11	ART APPRECIATION	3.0	0.0	3.0	0.0	
<b>TOTAL</b>		<b>6</b>	<b>0</b>	<b>6.0</b>	<b>0.0</b>	

**TOTAL ACADEMIC UNIT(S): 6.0****Third Year****First Semester**

CCS 31 L	PC ASSEMBLY / DISASSEMBLY	2.0	3.0	2.0	1.0	CCS 17
CCS 32	OPERATING SYSTEM	3.0	0.0	3.0	0.0	
CCS 33	DATA COMMUNICATION AND NETWORKING	3.0	0.0	3.0	0.0	
CIT 03 L	CLIENT-SERVER PROGRAMMING	2.0	3.0	2.0	1.0	
ECS 1	ELECTIVE 1 - GRAPHIC DESIGN	2.0	3.0	2.0	1.0	
HST 11	PHILIPPINE HISTORY	3.0	0.0	3.0	0.0	
SOC 14	LIFE AND WORKS OF RIZAL	3.0	0.0	3.0	0.0	
<b>TOTAL</b>		<b>18</b>	<b>9</b>	<b>18.0</b>	<b>3.0</b>	

**TOTAL ACADEMIC UNIT(S): 21.0****Second Semester**

CCS 62 L	APPLICATION DEVELOPMENT AND EMERGING TECHNOLOGY	2.0	3.0	2.0	1.0	CIT 04L
CIM 21	SYSTEM MANAGEMENT AND INFORMATION SECURITY	3.0	0.0	3.0	0.0	
CIT 05	NETWORK ADMINISTRATION	3.0	0.0	3.0	0.0	CCS 32, CCS 33
CIT 07	MULTI-MEDIA SYSTEM	3.0	0.0	3.0	0.0	
ECS 2	ELECTIVE 2 - PHP	3.0	0.0	3.0	0.0	
MTH 37	DIFFERENTIAL CALCULUS	3.0	0.0	3.0	0.0	
PSC 12	PHILIPPINE GOVERNMENT AND NEW CONSTITUTION	3.0	0.0	3.0	0.0	
<b>TOTAL</b>		<b>20</b>	<b>3</b>	<b>20.0</b>	<b>1.0</b>	

**TOTAL ACADEMIC UNIT(S): 21.0****SUMMER**

CCS 54	I.T. PROFESSIONAL ETHICS	3.0	0.0	3.0	0.0	
CCS 57	FIELD TRIPS AND SEMINARS	3.0	0.0	3.0	0.0	
<b>TOTAL</b>		<b>6</b>	<b>0</b>	<b>6.0</b>	<b>0.0</b>	

**TOTAL ACADEMIC UNIT(S): 6.0****Fourth Year****First Semester**

CCS 36L	CAD APPLICATION	2.0	3.0	2.0	1.0	
CCS 41	DESIGN AND IMPLEMENTATION OF PROGRAMMING LANGUAGES	3.0	0.0	3.0	0.0	
CCS 42	LANGUAGE THEORY AND AUTOMATA	3.0	0.0	3.0	0.0	
CCS 43	THESIS A	3.0	0.0	3.0	0.0	
ENG 15	PHILIPPINE LITERATURE	3.0	0.0	3.0	0.0	
PSY 11	GENERAL PSYCHOLOGY WITH DRUG EDUCATION	3.0	0.0	3.0	0.0	
<b>TOTAL</b>		<b>17</b>	<b>3</b>	<b>17.0</b>	<b>1.0</b>	

**TOTAL ACADEMIC UNIT(S): 18.0****Second Semester**

CCS 47	THESIS B	3.0	0.0	3.0	0.0	
ECS 3 L	ELECTIVE 4 - SAP	2.0	3.0	2.0	1.0	
OJT 11	ON-THE-JOB TRAINING (200 HRS)	3.0	0.0	3.0	0.0	
<b>TOTAL</b>		<b>8</b>	<b>3</b>	<b>8.0</b>	<b>1.0</b>	

**TOTAL ACADEMIC UNIT(S): 9.0**

**Total academic units for course Bachelor of Science in Computer Science: 176.0 ,Lecture Unit = 166.0, Lab Unit=10.0**