



University of Southern Philippines Foundation

Salinas Drive, Lahug, Cebu City



COLLEGE OF COMPUTER STUDIES

* Bachelor of Science in Computer Science (BSCS)

Effective A.Y. 2015-2016

First Year

First Semester

COURSE TITLE	COURSE DESCRIPTION	Lec. Hrs.	Lab Hrs.	UNITS	PREREQUISITE
CCS 121	Intro. to Computer Science I	2	3	3	
CCS 123	Intro. to Information Technology I	2	3	3	
Engl+	Remedial English and Grammar Compositions	3		3	
Math 3	College Algebra	3		3	
Engl 1	Study and Thinking Skills In English	3		3	
Fili 1A	Kommunikasyon sa Akademikong Filipino	3		3	
PE 1	Self Testing Activities	2		2	
NSTP 1	National Service Training Program I			1.5	
SocOr 11	Social Orientation I			1.5	

Total No. of Units: 15/8 units

Second Semester

COURSE TITLE	COURSE DESCRIPTION	Lec. Hrs.	Lab Hrs.	UNITS	PREREQUISITE
CCS 122	Intro. to Computer Science II	2	3	3	CCS 123
CCS 124	Intro. to Information Technology II	2	3	3	CCS 121
Engl 2	Writing in Discipline	3		3	Engl 1
Fili 2A	Pagbasa at Pagsulat Tungo sa Pananaliksik	3		3	Fili 1A
Philo 2	Logic (Stress on Critical Thinking Skills)	3		3	
Math 4	Plane Trigonometry	3		3	Math 3
RC	Rizal : His Life and Works	3		3	
PE 2	Fundamentals on Rhythmic Activities	2		2	PE 1
NSTP 2	National Service Training Program 2			1.5	NSTP 1
SocOr 12	Social Orientation II			1.5	SocOr II

Total No. of Units: 21/5 units

Second Year

First Semester

COURSE TITLE	COURSE DESCRIPTION	Lec. Hrs.	Lab Hrs.	UNITS	PREREQUISITE
CCS 211	Quality Consciousness, Habits and Processes	3		3	CCS 121, CCS 122
CCS 213	System Analysis and Design	3		3	CCS 121, CCS 122
CCS 225	Data Structures and Algorithms	2	3	3	CCS 122
CCS 227	Presentation Graphics Skills	2	3	3	CCS 124
Phys 211	College Physics I (LEC)	3		3	Math 4

Phys 212	College Physics I (LAB)		3	1		Math 4
Psych 1	General Psychology	3		3		
Lit 1	The Literature of the Philippines	3		3		
Hist 1	Philippine History: It' Roots and Development	3		3		
PE 3	Fundamentals of Games and Sports	2			2	PE 2

Total No. of Units: 25/2 units

Second Semester

COURSE TITLE	COURSE DESCRIPTION	Lec. Hrs.	Lab Hrs.	UNITS	PREREQUISITE
CCS 212	Computer Ethics and Professional Responsibilities	3		3	CCS 121, CCS 122
CCS 214	Discrete Structure	3		3	Math 3
CCS 226	Object Oriented Programming I	2	3	3	CCS 225
CCS 228	Operating Systems	2	3	3	CCS 121, CCS 122
ICT 220	OJT/Practicum	1	6	3	2 nd year standing
ICT 222	Digital Design	2	3	3	CCS 124
Phys 221	College Physics 2 (LEC)	3		3	Physics 211
Phys 222	College Physics 2 (LAB)		3	1	Physics 212
PE 4	Recreational Activities	3			2 PE 3

Total No. of Units: 22/2 units

* At the end of the second year, a student earns a Certificate on Associate in Computer Technology (ACT) *

Third Year

First Semester

COURSE TITLE	COURSE DESCRIPTION	Lec. Hrs.	Lab Hrs.	UNITS	PREREQUISITE
CCS 321	Database Management Systems	2	3	3	CCS 213, CCS 225
CCS 323	Computer Elective I	2	3	3	3 rd year standing
CCS 325	Modeling & Simulation	2	3	3	CCS 225
ICT 321	Computer Organization & Assembly Language	2	3	3	ICT 222
Math 315	Calculus	3		3	Math 4
Engl 3	Speech Communication	3		3	Engl 2
Engl 4	Technical Report Writing	3		3	Engl 2
NatSci I	Earth Science	3		3	

Total No. of Units: 24 units

Second Semester

COURSE TITLE	COURSE DESCRIPTION	Lec. Hrs.	Lab Hrs.	UNITS	PREREQUISITE
CCS 312	Automata and Language Theory	3		3	CCS 214
CCS 316	Free Elective I	3		3	3 rd year standing
CCS 324	Computer Elective 2	2	3	3	3 rd year standing
CCS 326	Web Development	2	3	3	3 rd year standing
CCS 328	Programming Languages	2	3	3	CCS 225
ICT 322	Data Comm. & Networking I	3	3	4	ICT 321

Polsci 16	Politics and Governance w/ New Phil.Constitution	3		3		
Socio 2	Society and Culture w/ Family Planning	3		3		

Total No. of Units: 24 units

Fourth Year

First Semester

COURSE TITLE	COURSE DESCRIPTION	Lec. Hrs.	Lab Hrs.	UNITS		PREREQUISITE
CCS 421	Fundamentals of Software Engineering	2	3	3		CCS 321, 4th year standing
CCS 423	Multimedia Systems	2	3	3		CCS 227
CCS 425	Computer Elective 3	2	3	3		4th year standing
CCS 427	Thesis I	2	3	3		CCS 421, 4th year standing
Math 311	Probability and Statistics for IT	3		3		Math 3
Econ I	Principles of Economics with LRT	3		3		
Lit 2	World Literature	3		3		

Total No. of Units: 21 units

Second Semester

COURSE TITLE	COURSE DESCRIPTION	Lec. Hrs.	Lab Hrs.	UNITS		PREREQUISITE
CCS 418	Technopreneurship	3		3		4th year standing
CCS 412	Free Elective 2	3		3		4th year standing
CCS 414	Free Elective 3	3		3		4th year standing
CCS 426	Computer Elective 4	2	3	3		4th year standing
IT 420	OJT/Practicum	2	12	6		4th year standing
CCS 428	Thesis 2	2	3	3		CCS 427, CCS 421

Total No. of Units: 21 units

** recommended as a summer load before 4th year level **