UC university of cebu

Main and LM Campuses

College of Computer Studies (CCS)

Bachelor of Science in Computer Science (BSCS)

Effective School Year 2024-2025 | Based on **CMO No. 25 series of 2015**

Student's ID Number: _____   Date Started / First Enrolled: _____
Student's Full Name: _____   Expected Date of Graduation: _____

I - FIRST YEAR

1 — 1st Semester

Grade	Course Code	Descriptive Title	lec	lab	total	Pre-requisite / Remarks
	ENTREP101	The Entrepreneurial Mind	3		3	
	SOCIO 101	The Contemporary World	3		3	
	HUM 101	Art Appreciation	3		3	
	MATH 101	Mathematics in the Modern World	3		3	
	CC-INTCOM11	Introduction to Computing	3		3	
	CC-COMPROG11	Computer Programming 1	2	1	3	
	PE 101	Movement Competency Training (PATHFit 1)	2		2	
	NSTP 101	Nat'l Service Training Program 1	3		3	
		Total			**23**	

2 — 2nd Semester

Grade	Course Code	Descriptive Title	lec	lab	total	Pre-requisite / Remarks
	PSYCH 101	Understanding the Self	3		3	
	ENGL 101	Purposive Communication	3		3	
	HIST 101	Readings in Philippine History	3		3	
	CC-COMPROG12	Computer Programming 2	2	1	3	CC-COMPROG11
	CS-DISCRET12	Discrete Structures 1	3		3	CC-INTCOM11
	CC-TWRITE12	Tech. Writing & Presentation Skills in IT	3		3	ENTREP101, CC-INTCOM11
	PE 102	Exercise-based Fitness Activities (PATHFit 2)	2		2	PE 101
	NSTP 102	Nat'l Service Training Program 2	3		3	NSTP 101
		Total			**23**	

II - SECOND YEAR

3 — 1st Semester

Grade	Course Code	Descriptive Title	lec	lab	total	Pre-requisite /Remarks
	STS 101	Science, Technology & Society	3		3	
	RIZAL 101	Life, Works & Writings of Dr. Jose Rizal	3		3	
	CS-DISCRET21	Discrete Structures 2	3		3	CS-DISCRET12
	CC-DASTRUC21	Data Structures & Algorithms	2	1	3	CC-COMPROG12
	CC-QUAMETH21	Quantitative Methods w/ Prob. & Stat.	3		3	CS-DISCRET12
	CS-DIFFCAL21	Differential Calculus	3		3	CS-DISCRET12
	CS-OOPROG21	Object Oriented Programming	2	1	3	CC-COMPROG12
	PE 103	Sports and Dance (PATHFit 3)	2		2	PE 102
		Total			**23**	

4 — 2nd Semester

Grade	Course Code	Descriptive Title	lec	lab	total	Pre-requisite /Remarks
	SOCIO 102	Gender and Society	3		3	
	PHILO 101	Ethics	3		3	
	CC-DIGILOG22	Digital Logic Design	2	1	3	CS-DISCRET21
	CC-APPSDEV22	Applications Dev't & Emerging Tech.	2	1	3	CC-DASTRUC21
	CS-DAALGO22	Design and Analysis of Algorithms	2	1	3	CC-DASTRUC21
	CC-DATACOM22	Data Communications	2	1	3	CC-INTCOM11
	CS-INTCALC22	Integral Calculus	3		3	CS-DIFFCAL21
	PE 104	Sports, Outdoor and Adventure (PATHFit 4)	2		2	PE 103
		Total			**23**	

III - THIRD YEAR

5 — 1st Semester

Grade	Course Code	Descriptive Title	lec	lab	total	Pre-requisite /Remarks
	CS-IMDBSYS31	Information Management (DB Sys)	2	1	3	CC-APPSDEV22
	CS-PROGLAN31	Programming Languages	3		3	CS-OOPROG21, CS-DAALGO22
	CS-SOFTENG31	Software Engineering 1	2	1	3	CC-APPSDEV22
	CC-HCI31	Human Computer Interaction	3		3	CC-APPSDEV22
	CC-RESCOM31	Methods of Research in Computing	3		3	CC-QUAMETH21, CC-TWRITE12
	CS-COMORG31	Comp. Organization & Assembly Lang.	2	1	3	CC-DIGILOG22
	CS-EL_ _ _ _	CS Elective 1	2	1	3	**
	CS-FRE_ _ _ _	Free Elective 2	3		3	**
		Total			**24**	

6 — 2nd Semester

Grade	Course Code	Descriptive Title	lec	lab	total	Pre-requisite /Remarks
	LIT 101	Literatures of the World	3		3	
	CS-AUTOLAN32	Automata & Language Theory	3		3	CS-PROGLAN31
	CS-INFOSEC32	Information Assurance & Security	3		3	CS-IMDBSYS31
	CS-SOFTENG32	Software Engineering 2	2	1	3	CS-SOFTENG31
	CC-GRAPHICS32	Graphics and Visual Computing	2	1	3	CS-PROGLAN31
	CS-OPSYS32	Operating Systems	3		3	CS-COMORG31
	CS-EL_ _ _ _	CS Elective 2	2	1	3	**
	CS-FRE_ _ _ _	Free Elective 1	3		3	**
		Total			**24**	

IV - FOURTH YEAR

7 — 1st Semester

Grade	Course Code	Descriptive Title	lec	lab	total	Pre-requisite /Remarks
	CS-THESIS41	Thesis 1	3		3	***
	CS-PRACT41	Practicum		3	3	***
	CS-EL_ _ _ _	CS Elective 3	2	1	3	***
		Total			**9**	

8 — 2nd Semester

Grade	Course Code	Descriptive Title	lec	lab	total	Pre-requisite /Remarks
	CS-THESIS42	Thesis 2	3		3	CS-THESIS41
	CC-PROFIS10	Professional Issues in Computing	3		3	**
	CS-FRE_ _ _ _	Free Elective 3	3		3	***
		Total			**9**	

●CS ELECTIVE COURSES:

	Code	Title	units	Pre-requisite
☐	ELDNET1	.NET Programming Module 1	3	CS-IMDBSYS31
☐	ELDNET2	.NET Programming Module 2	3	ELDNET1
☐	ELJAVA	Advanced Java Programming	3	CS-IMDBSYS31
☐	ELDROID1	ANDROID Programming Module 1	3	CC-APPSDEV22
☐	ELDROID2	ANDROID Programming Module 2	3	ELDROID1
☐	ELEMSYS	Embedded Systems & IoT	3	**
☐	ELIM	Introduction to Imaging & Multimedia	3	**
☐	EL3D	3D Game Development	3	**
☐	ELNEURAL	Neural Networks & Deep Learning	3	**
☐	ELASI	ASI-UC Near-Hire Program	3	***
☐	ELPYTHON	Python Programming	3	**

●●FREE ELECTIVE COURSES:

	Code	Title	units	Pre-requisite
☐	FREDTHINK	Principles of Design Thinking	3	CC-HCI31
☐	FREFORLAN	Foreign Language	3	**
☐	FREIP	Introduction to Intellectual Property	3	**
☐	FRETRNDS	Emerging Technologies in ICT	3	**
☐	FRECD	Introduction to Compiler Design	3	***
☐	FRECLOUD	Distributed Systems & Cloud Computing	3	CS-IMDBSYS31
☐	FREAI	Fundamentals of Artificial Intelligence	3	**
☐	FREAI2	Advanced Artificial Intelligence	3	***
☐	FRECERT	Professional Cerfications Review	3	***
☐	FRETECHNO	Technopreneurship	3	***

**must finish all 1st year to 2nd year courses
***must finish all 1st year to 3rd year courses

SUMMARY OF COURSES

General Education Courses	50 units
Core Computing Courses	18 units
Professional CS Courses	72 units
CS Electives / Free Electives	18 units
TOTAL	**158 UNITS**