

ASIAN COLLEGE OF SCIENCE AND TECHNOLOGY

Dr. V. Locsin St., Taclobo, Dumaguete City

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (BSCpE)

Revised 4-Year Curriculum (Updated: Effective SY 2022 - 2023)

PER CHED CMO NO. 87 SERIES OF 2017

First Year - First Semester

Final Grade	Course Code	Course Description	Lec Units	Lab Units	Total units	Pre-requisites
	CALCUL1	Calculus 1	3	0	3	NONE
	CHEMENG	Chemistry for Engineers	3	1	4	NONE
	MATWRDL	Mathematics in the Modern World	3	0	3	NONE
	SCITECH	Science, Technology, and Society	3	0	3	NONE
	PRLODES	Programming Logic and Design	0	2	2	NONE
	CPEDISC	Computer Engineering as a Discipline	1	0	1	NONE
	REAHIST	Reading in Philippine History	3	0	3	NONE
	PATHFit1	Movement Competency Training	2	0	2	NONE
	NSTPONE	National Service Training Program 1	3	0	3	NONE
TOTAL UNITS			21	3	24	

First Year - Second Semester

Final Grade	Course Code	Course Description	Lec Units	Lab Units	Total units	Pre-requisites
	CALCUL2	Calculus 2	3	0	3	CALCUL1
	PHYSENG	Physics for Engineers	3	1	4	CALCUL1
	DMATH	Discrete Mathematics	3	0	3	CALCUL1
	ENGDANA	Engineering Data Analysis	3	0	3	CALCUL1
	OBJPROG	Object-Oriented Programming	0	2	2	PRLODES
	PETHICS	Ethics	3	0	3	NONE
	PATHFit2	Exercise-based Fitness Activities	2	0	2	PATHFit1
	NSTPTWO	National Service Training Program 1	3	0	3	NSTPONE
TOTAL UNITS			20	3	23	

Second Year - First Semester

Final Grade	Course Code	Course Description	Lec Units	Lab Units	Total units	Pre-requisites
	DIFFQUA	Differential Equation	3	0	3	CALCUL2
	FUNDCAL	Fundamentals of Electrical Circuits	3	1	4	PHYSENG
	ARCHORG	Computer organization and Architecture	3	1	4	PRLODES
	FILIONE	Filipino 1	3	0	3	NONE
	DASTRUC	Data Structures and Algorithms	0	2	2	OBJPROG
	LIVITER	Living in I.T. Era	3	0	3	NONE
	CEDRADE	Computer Engineering Drafting and Design	0	1	1	OBJPROG
	CPELAWS	CpE Laws and Professional Practice	2	0	2	NONE
	PATHFit3	Dance	2	0	2	PATHFit2
TOTAL UNITS			19	5	24	

Second Year - Second Semester

Final Grade	Course Code	Course Description	Lec Units	Lab Units	Total units	Pre-requisites
	NUMMETH	Numerical Method	3	0	3	DIFFQUA
	FUNDNIC	Fundamentals of Electronics	3	1	4	FUNDCAL
	PURPCOM	Purposive Communication	3	0	3	NONE
	FILITWO	Filipino Two	3	0	3	FILIONE
	OPERSYS	Operating systems	3	0	3	ARCHORG
	UNDISELF	Understanding Self	3	0	3	NONE
	PATHFit4	Sports	2	0	2	PATHFit3
	COMPRES1	Comprehensive Evaluation 1	1	0	1	2nd Year Standing
TOTAL UNITS			21	1	22	

Third Year - First Semester

Final Grade	Course Code	Course Description	Lec Units	Lab Units	Total units	Pre-requisites
	DATDCOM	Data and Digital Communication	3	0	3	FUNDNIC
	LOGCIDE	Logic Circuits and Design	3	1	4	FUNDNIC
	FECOSYS	Feedback and Control System	3	0	3	NUMMETH
	ENGECON	Engineering Economics	3	0	3	2nd Year Standing
	FUNNSEN	Fundamentals of Mixed Signals and Se	3	0	3	FUNDNIC
	MICROEL	Microelectronics	2	1	3	FUNDNIC
	WEBDES	Web Design	2	1	3	OPERSYS
	CADRAFT	Computer-Aided Drafting	0	1	1	CEDRADE
TOTAL UNITS			19	4	23	

Third Year - Second Semester

Final Grade	Course Code	Course Description	Lec Units	Lab Units	Total units	Pre-requisites
	BSICOHS	Basic Occupational Health and Safety	3	0	3	3rd Year Standing
	CNETSEC	Computer Networks and Security	3	1	4	DATDCOM
	MICROPR	Microprocessors	3	1	4	LOGCIDE, MICROEL
	MSEARCH	Methods of Research	2	0	2	ENGDANA, PURPCOM
	ARTAPP	Art Appreciation	3	0	3	NONE
	COMPNET	Computer Network	2	1	3	DATDCOM
	SOFTDES	Software Design	2	1	3	WEBDES, OBJPROG
TOTAL UNITS			18	4	22	

Third Year - Summer


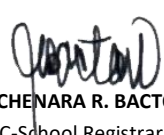


Final Grade	Course Code	Course Description	Lec Units	Lab Units	Total units	Pre-requisites
	INTERN	On-the-job Training (300 Hours)	3	0	3	4th Year Standing
TOTAL UNITS			3	0	3	

Fourth Year - First Semester

Final Grade	Course Code	Course Description	Lec Units	Lab Units	Total units	Pre-requisites
	INTHDL	Introduction to HDL	0	1	1	FUNDNIC
	PRADES1	CpE Practice and Design 1	1	0	1	4th Year Standing
	DSIGPRO	Digital Signal Processing	3	1	4	DATDCOM, FUNNSEN
	SYNETAD	Systems and Network Administration	2	1	3	COMPNET
	SOFTDEV	Software Development	2	1	3	SOFTDES
	JPRIZAL	Lifes and Works pof Rizal	3	0	3	NONE
	COMPRES2	Comprehensive Evaluation 2	1	0	1	4th Year Standing
TOTAL UNITS			12	4	16	

Fourth Year - Second Semester

Final Grade	Course Code	Course Description	Lec Units	Lab Units	Total units	Pre-requisites
	EMBESYS	Embedded Systems	3	1	4	DSIGPRO, MICROPR
	PRADES2	Cpe Practice and Design 2	0	2	2	PRADES1
	TECHPRE	Technopreneurship	3	0	3	NONE
	EMERTEC	Emerging Technologies in CpE	3	0	3	LIVITER
	CONWRLD	The Contemporary World	3	0	3	NONE
	SEMTRIP	Seminars and Fieldtrips	0	1	1	4th Year Standing
TOTAL UNITS			12	4	16	
OVERALL TOTAL NUMBER OF UNITS			145	28	173	

Prepared by:	Issued by:	Recommending Approval:	Approved by:
			
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