

**COLLEGE OF COMPUTER STUDIES
CHED MANDATED GENERAL EDUCATION COURSES (B)**

COURSE TITLE	CS-CSE	CS-IST	CS-NE	CS-ST	BSINSYS	COLLEGE-IN-CHARGE	UNITS
1) LANGUAGE AND HUMANITIES							24
ENGLISH (9 units)							
<i>Basic Communication and Study Skills</i>	ENGLCOM	ENGLCOM	ENGLCOM	ENGLCOM	ENGLCOM	CED	3
<i>Basic Research Skills</i>	ENGLRES	ENGLRES	ENGLRES	ENGLRES	ENGLRES	CED	3
<i>Oral Communication</i>	SPEECOM	SPEECOM	SPEECOM	SPEECOM	SPEECOM	CED	3
FILIPINO (6 units)							
<i>Komunikasyon sa Filipino/hiya</i>	FILKOMU	FILKOMU	FILKOMU	FILKOMU	FILKOMU	CLA	3
<i>Pagbasa at Pagsulat sa Iba't-ibang Disiplina</i>	FILDLAR	FILDLAR	FILDLAR	FILDLAR	FILDLAR	CLA	3
HUMANITIES (9 units)							
<i>Introduction to Art</i>	HUMAART	HUMAART	HUMAART	HUMAART	HUMAART	CLA	3
<i>Introduction to Literature</i>	HUMALIT	HUMALIT	HUMALIT	HUMALIT	HUMALIT	CLA	3
<i>Introduction to Philosophy</i>	INTFILO	INTFILO	INTFILO	INTFILO	INTFILO	CLA	3
2) MATHEMATICS, NATURAL SCIENCES, TECHNOLOGY							16
MATHEMATICS (7 units)							
<i>College Algebra for CCS Students</i>	CCSALGE	CCSALGE	CCSALGE	CCSALGE	ISMATH1	COS	2
<i>Trigonometry for CCS Students</i>	CCSTRIG	CCSTRIG	CCSTRIG	CCSTRIG	ISMATH2	COS	2
<i>Modelling, Simulation and Statistics</i>	MODESTA	MODESTA	MODESTA	ST-STAT		CCS	3
<i>Calculus 1 for CCS Students</i>				formerly MODESTA	ISMATH3	COS	3
NATURAL SCIENCES (6 units)							
<i>Biology (lecture/laboratory)</i>	SCIMATB/LBYMATB	SCIMATB/LBYMATB	SCIMATB/LBYMATB	SCIMATB/LBYMATB	SCIENVB	COS	2
<i>Chemistry (lecture/laboratory)</i>	SCIMATC/LBYMATC	SCIMATC/LBYMATC	SCIMATC/LBYMATC	SCIMATC/LBYMATC	SCIENVC/LBYENVC	COS	2
<i>Physics (lecture)</i>	SCIMATP	SCIMATP	SCIMATP	SCIMATP	SCIENVP/LBYENVP	COS	2
ELECTIVES (3 units)							
<i>Basic Digital Signal Processing</i>	BASCDSP					CCS	3
<i>Development of Educational Management Systems</i>	formerly DISIPRO	FOUNED1				CED	3
<i>Advance Technology</i>			ADVTECH			CCS	3
<i>Advanced Topics in Database Systems</i>				ADVANDB		CCS	3
<i>Probability and Statistics</i>					PROBSTA	COS	3
3) SOCIAL SCIENCES AND COMMUNICATIONS							12
<i>Science, Technology & Society 1</i>	SOCTEC1	SOCTEC1	SOCTEC1	SOCTEC1	SOCTEC1	CLA	3
<i>Science, Technology & Society 2</i>	SOCTEC2	SOCTEC2	SOCTEC2	SOCTEC2	SOCTEC2	CLA	3
<i>Kasaysayan ng Pilipinas</i>	KASPIL2	KASPIL2	KASPIL2	KASPIL2	KASPIL2	CLA	3
<i>The Great Works</i>	GREATWK	GREATWK	GREATWK	GREATWK	GREATWK	CLA	3
4) LIFE & WORKS OF RIZAL							3
<i>Buhay, Mga Sinulat, at Nagawa ni Dr. Jose Rizal</i>	KASPIL1	KASPIL1	KASPIL1	KASPIL1	KASPIL1	CLA	3
TOTAL CHED MANDATED (GEC-B)							55
BASIC ITE CORE							24
<i>Computer Programming 1</i>	COMPRO1	COMPRO1	COMPRO1	COMPRO1		CCS	3
<i>Computer Programming 2</i>	COMPRO2	COMPRO2	COMPRO2	COMPRO2		CCS	3
<i>Basic Computer Concepts</i>	BASICON	BASICON	BASICON	BASICON		CCS	3
<i>Discrete Structures</i>	DISCTRU	DISCTRU	DISCTRU	DISCTRU		CCS	3
<i>Intro to Software Engineering</i>	INTROSE	INTROSE	INTROSE	INTROSE		CCS	3
<i>Web Application Development</i>	WEBDEVE	WEBDEVE		WEBAPPS		CCS	3
<i>Web Application Programming</i>			WEB-PRG			CCS	3
<i>Calculus 1 for CCS Students</i>	CCSCAL1	CCSCAL1	CCSCAL1	CCSCAL1		COS	3
<i>Calculus 2 for CCS Students</i>	CCSCAL2	CCSCAL2	CCSCAL2	CCSCAL2		COS	3
<i>Introduction to ICT</i>					INTRICT	CCS	3
<i>Introduction to Logic and Programming</i>					INTRPRG	CCS	3
<i>Organization and Management Concepts</i>					ORGMGNT	CCS	3
<i>Applied Data Structures and Algorithm</i>					DASTRAP	CCS	3
<i>Introduction to Accounting for BS-ICTM</i>					INFIMAC	CCS	3
<i>Organization and Business Processes</i>					BISPROC	CCS	3

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FREE ELECTIVES (9 units)								9
<i>Special Elective 1</i>	SPELEC1	SPELEC1	SPELEC1	SPELEC1	SPELEC1	CCS	3	
<i>Special Elective 2</i>	SPELEC2	SPELEC2	SPELEC2	SPELEC2	SPELEC2	CCS	3	
<i>Special Elective 3</i>	SPELEC3	SPELEC3	SPELEC3	SPELEC3	SPELEC3	CCS	3	

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ITE ELECTIVES							12
CSE Elective 1	CSELEC1					CCS	3
CSE Elective 2	CSELEC2					CCS	3
CSE Elective 3	CSELEC3					CCS	3
CSE Elective 4	CSELEC4					CCS	3
IST Elective 1		ISELEC1				CCS	3
IST Elective 2		ISELEC2				CCS	3
IST Elective 3		ISELEC3				CCS	3
IST Elective 4		ISELEC4				CCS	3
Networking Basic			NTCOR01			CCS	3
Networking Basic Laboratory			LBYNT01			CCS	1
Router Configuration			NTCOR02			CCS	3
Router Configuration Laboratory			LBYNT02			CCS	1
Switch and WLAN Configuration			NTCOR03			CCS	3
Switch and WLAN Configuration Laboratory			LBYNT03			CCS	1
ST Elective 1				STELEC1		CCS	3
ST Elective 2				STELEC2		CCS	3
ST Elective 3				STELEC3		CCS	3
ST Elective 4				STELEC4		CCS	3
Professional Elective 1					PROFEL1	CCS	3
Professional Elective 2					PROFEL2	CCS	3
Professional Elective 3					PROFEL3	CCS	3
Professional Elective 4					PROFEL4	CCS	3
ITE PROFESSIONAL							
Computer Programming in Assembly Language	COMPASM		COMPASM			CCS	3
AC/DC Network Analysis	NTANALY					CCS	3
Laboratory for AC/DC Network Analysis	LBYNTAN					CCS	1
Theory of Computation and Algorithm Analysis	COMALGO	COMALGO	COMALGO			CCS	3
Basic Electronic Circuit	BASELEC					CCS	3
Laboratory for Basic Electronics	LBYBELC					CCS	1
Digital Electronics	DIGITAL					CCS	3
Laboratory for Digital Electronics	LBYDIGT					CCS	1
Fundamentals of Computer Organization and Architecture	COMPORG	formerly COMORGA	COMPORG	formerly COMORGA		CCS	3
Mathematics for CSE/NE	CT-MATH					CCS	3
Basic Electronic Communication System	ELECOMM					CCS	3
Lab for Electronic Communication	LBYELCM					CCS	1
Linear Circuits and Applications	LINCIRC					CCS	3
Laboratory for Linear Circuits	LBYLINC					CCS	1
Network Fundamentals	NTCORE1					CCS	3
Microprocessor Interfacing 1	MICPRC1					CCS	3
Lab for Microprocessor/Microcontroller 1	LBYMCP1					CCS	1
Computer Architecture	COMPARC		COMPARC			CCS	3
Intro to Operating Systems	INTROOS		INTROOS			CCS	3
Intro to Databases	INTRODB	INTRODB	INTRODB	INTRODB		CCS	3
Microprocessor/Microcontroller Tech 2	MICPRC2					CCS	3
Lab for Microprocessor/Microcontroller 2	LBYMCP2					CCS	1
Object-Oriented Programming	OBJECTP	OBJECTP	OBJECTP	OBJECTP		CCS	3
Intro to Data Structures & Algorithms	DASALGO	DASALGO	DASALGO	DASALGO		CCS	3
Introduction to Feedback Control Systems	FBKCTRL					CCS	3
Digital Design	formerly CTRLSYS	DIGIDES		DIGIDES		CCS	3
Foundation of Education 1		EDUMGNT				CCS	3
Introduction to IST		INTRIST				CCS	3

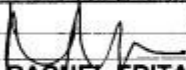
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COURSE TITLE	CS-CSE	CS-IST	CS-NE	CS-ST	BSINSYS	COLLEGE-IN-CHARGE	UNITS
Instructional Multimedia		INMEDIA				CCS	3
Intructional Systems Design		INDESGN				CCS	3
Courseware Development		CRSWARE	← formerly CRS-DEV			CCS	3
Mobile Application Development		M-APDEV				CCS	3
Learning Theories and Models		LTMODEL				CCS	3
Design of Mobile Learning Systems		M-LEARN				CCS	3
Photography for IST		ISPHOTO				CCS	3
Computer Architecture and Organization		ARCHORG		ARCHORG		CCS	3
Teacher and Classroom Observation		TCH-OBS				CCS	3
Teaching Tools Development		TCHWARE				CCS	3
Education TV Production		EDUC-TV				CCS	3
Operating Systems		OPERSYS		OPERSYS		CCS	3
Network		NETWORK		NETWORK		CCS	3
Assessment of Student Learning 1		ASESLE1				CCS	3
Digital Logic			DIGILOG			CCS	3
Ethical Hacking Lecture			HCK-LCT			CCS	3
Ethical Hacking Laboratory			LBY-HCK			CCS	1
Storage Technology			STORAGE			CCS	3
Computer Forensic			FORENSC			CCS	3
Computer Forensic Laboratory			LBYFORE			CCS	1
WAN Solutions			NTCOR04			CCS	3
WAN Solutions Laboratory			LBYNT04			CCS	1
Secure Programming			SECPROG			CCS	3
Secure Programming Laboratory			LBYSPRG			CCS	1
Systems Administration			SYSADMN			CCS	3
Security Administration			SECADMN			CCS	3
Information and Security Principles			INFOSCU			CCS	3
Network Engineering Elective 1			NEELEC1			CCS	3
Network Engineering Elective 2			NEELEC2			CCS	3
Introduction to Artificial Intelligence				INTESYS		CCS	3
Automata Theory, Formal Languages and Cifional				THEOCOM		CCS	3
Compiler Theory				COMPILE		CCS	3
Algorithm Complexity				ALGOCOM		CCS	3
Advanced Software Engineering				ADVANSE		CCS	3
Advanced Discrete Structures				ADVDISC		CCS	3
Technology and Innovation Management				INOVATE		CCS	3
Design Patterns				DESIPAT		CCS	3
Advanced Statistics and Probability				ADVSTAT		CCS	3
Professional Software Development				PROFSWD		CCS	3
Secure Web Development				SECUDEV		CCS	3
Advanced Technologies				STADTEC		CCS	3
Network and Communication					NETCOMM	CCS	3
Systems Analysis and Design for BS-ICTM					SAN-DES	CCS	3
Systems Analysis and Design Project					AN-MODE	CCS	1
Strategic Management					STRAMGT	CCS	3
Database Systems					DAT-BAS	CCS	3
Development of Web Applications					DEV-WEB	CCS	3
Development of Business Applications					DEVAPPS	CCS	3
Advanced Programming					ADVPROG	CCS	3
Implementing Information Systems					SYSDEVE	CCS	3
Information Systems Project Management					PRJTMAN	CCS	3
Development of Mobile Applications					MOBIDEV	CCS	3

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<i>Introduction to the IM Profession and Ethics</i>					ISETHIC	CCS	3
<i>Usability Engineering</i>					USAENGG	CCS	3
<i>Evaluation of Business Performance</i>					BUSPERF	CCS	3
<i>CSE Research Methods</i>	CTRESME					CCS	2
<i>IST Research Methods</i>		IST-MET				CCS	2
<i>NE Research Methods</i>			NERESEM			CCS	2
<i>ST Research Methods</i>				STRESME		CCS	2
<i>ICT Project Research Methods</i>					MET-RES	CCS	2
<i>CSE Practicum</i>	PRC-CSE					CCS	1
<i>IST Practicum</i>		PRCTIST				CCS	2
<i>NE Practicum</i>			PRCNE-1			CCS	1
<i>ST Practicum</i>				PRCSOFT		CCS	1
<i>ICT Immersion</i>					PRCICTM	CCS	3
<i>CSE Thesis 1</i>	THSCE-1					CCS	2
<i>CSE Thesis 2</i>	THSCE-2					CCS	2
<i>CSE Thesis 3</i>	THSCE-3					CCS	2
<i>Thesis Project Development 1</i>		THS-IS1				CCS	2
<i>Thesis Project Development 2</i>		THS-IS2				CCS	2
<i>Thesis Project Development 3</i>		THS-IS3				CCS	2
<i>Thesis for Network Engineering 1</i>			THSNE-1			CCS	2
<i>Thesis for Network Engineering 2</i>			THSNE-2			CCS	2
<i>Thesis for Network Engineering 3</i>			THSNE-3			CCS	2
<i>Thesis in Software Technology 1</i>				THSST-1		CCS	2
<i>Thesis in Software Technology 2</i>				THSST-2		CCS	2
<i>Thesis in Software Technology 3</i>				THSST-3		CCS	2
<i>ICT Capstone Project 1</i>					THSIS01	CCS	2
<i>ICT Capstone Project 2</i>					THSIS02	CCS	2

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LASALLIAN CORE CURRICULUM							18
<i>Humanity's Search for Life</i>	TREDONE	TREDONE	TREDONE	TREDONE	TREDONE	CLA	
<i>The Filipino Christian in a Changing World</i>	TREDTWO	TREDTWO	TREDTWO	TREDTWO	TREDTWO	CLA	
<i>The Christian and the World</i>	TREDTRI	TREDTRI	TREDTRI	TREDTRI	TREDTRI	CLA	
<i>The Christian Vocation of Life</i>	TREDFOR	TREDFOR	TREDFOR	TREDFOR	TREDFOR	CLA	
<i>Physical Fitness & Wellness in Individual/Dual Sports</i>	FWSPORT	FWSPORT	FWSPORT	FWSPORT	FWSPORT	CED	
<i>Physical Fitness & Wellness in Dance</i>	FWDANCE	FWDANCE	FWDANCE	FWDANCE	FWDANCE	CED	
<i>Fitness & Wellness in Team Sports</i>	FWTEAMS	FWTEAMS	FWTEAMS	FWTEAMS	FWTEAMS	CED	
NON-ACADEMICS (12.5 units)							12.5
<i>National Service Training Program Phase 1</i>	NSTP-01	NSTP-01	NSTP-01	NSTP-01	NSTP-01	SPS	(3.0)
<i>National Service Training Program Phase 2</i>	NSTP-02	NSTP-02	NSTP-02	NSTP-02	NSTP-02	SPS	(3.0)
<i>Personal Effectiveness 1</i>	PERSEF1	PERSEF1	PERSEF1	PERSEF1	PERSEF1	CED	(2.0)
<i>Personal Effectiveness 2</i>	PERSEF2	PERSEF2	PERSEF2	PERSEF2	PERSEF2	CED	(2.0)
<i>Personal Effectiveness 3</i>	PERSEF3	PERSEF3	PERSEF3	PERSEF3	PERSEF3	CED	(2.0)
<i>Formation and Development</i>	FORMDEV	FORMDEV	FORMDEV	FORMDEV	FORMDEV	CCS	(0.5)
<i>Lasallian Recollection 1</i>	LASARE1	LASARE1	LASARE1	LASARE1	LASARE1	SPS	(0)
<i>Lasallian Recollection 2</i>	LASARE2	LASARE2	LASARE2	LASARE2	LASARE2	SPS	(0)
<i>Lasallian Recollection 3</i>	LASARE3	LASARE3	LASARE3	LASARE3	LASARE3	SPS	(0)
TOTAL G.E. ACADEMIC UNITS							73.0
TOTAL G.E. NON-ACADEMIC UNITS							(12.5)
							
SUBMITTED BY: DR. RACHEL EDITA O. ROXAS, CCS Dean							

