

Summer					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
Practicum	On-the-Job Training	3	240	2	4th Year Standing
Sub- Total		3	240	2	

Fourth Year First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ES 142	Materials Science and Engineering	3	0	3	CHEM 121; ES 261
EE 401	Electrical Standards and Practices	0	1	1	EE 305
EE 402	Electrical Systems and Illumination Engineering Design	3	2	5	EE 303
EE 481	Power Systems - Generation and Transmission	3	0	3	4 th year standing
EE 164	Management of Engineering Projects	2	0	2	ES 137
ES 140	Research Methods	0	1	1	Math 114; GE PurCom
EE 403	Instrumentation and Control	2	1	3	ECE 357
IC 105	EE REVIEW 1	2	0	2	4 th year standing
Sub- Total		15	5	20	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
EE 431	Power Systems Analysis	3	1	4	EE 401
EE 432	Fundamentals of Power Plant Engineering Design	0	1	1	Co-requisite: EE 431
EE 433	Distribution Systems and Substation Design	2	1	3	Co-requisite: EE 431
EE 482	Power Systems - Distribution System and Supply	3	0	3	EE 481
EE 422	Research Project or Capstone Design Project for EE	0	1	1	ES 142
ES 484	Seminars/Colloquia & Field Trips	0	1	1	4 th year standing
IC 106	EE REVIEW 2	2	0	2	4 th year standing
GE Hist	Readings in Philippine History	3	0	3	NONE
Sub- Total		13	5	18	
Grand Total		165	264	188	

SUMMARY	Units
I. Technical Courses	
A. Mathematics	16
B. Natural/Physical Sciences	8
C. Basic Engineering Sciences	11
D. Allied Courses	39
E. Professional Courses	52
F. Electives	6
Sub-Total	132
II. Non-Technical Courses	
A. GE Core Courses	24
B. Electives	9
C. Mandated Courses	3
D. Physical Education	8
E. NSTP	6
Sub-Total	50
III. Institutional Courses	
A. Introduction to Electrical Engineering	2
B. EE Review 1	2
C. EE Review 2	2
Sub-Total	6
Grand Total	188

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BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING (BSEE)

CMO No. 87, S. of 2017
Effective A.Y 2020-2021

First Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
MATH 111	Calculus 1	5	0	5	None
ES 133	Computer-aided Drafting	0	2	2	None
GE Math	Mathematics in the Modern World	5	0	5	None
GE USelf	Understanding the Self	3	1	4	None
CHEM 121	Chemistry for Engineers	3	0	3	None
IC 102	Introduction to Electrical Engineering	3	0	3	None
PE 1	Physical Fitness & Health	2	0	2	None
NSTP 1	National Service Training Program 1	3	0	3	None
Sub- Total		24	3	27	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
Math 112	Calculus 2	5	0	5	Math 111
Phys 122	Physics for Engineers	3	1	4	Math 111; Co-requisite Math 112
GE Entrep	The Entrepreneurial Mind	3	0	3	None
GE IT	Living in the IT Era	3	0	3	None
CPE 143	Computer Programming	0	1	1	None
GE Rizal	Life and Works of Rizal	3	0	3	None
GE PurCom	Purposive Communication	3	0	3	None
PE 2	Rhythmic Activities	2	0	2	None
NSTP 2	National Service Training Program 2	3	0	3	NSTP 1
Sub- Total		25	2	27	

Second Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
Math 113	Differential Equations	3	0	3	Math 112
EE 201	Electrical Circuits 1	3	1	4	Phys 122; Math 112
ES 255	Engineering Mechanics	3	0	3	Phys 122
Math 114	Engineering Data Analysis	3	0	3	Math 111
ES 302	Fluid Mechanics	2	0	2	Phys 122
GE ArtApp	Art Appreciation	3	0	3	None
GE EnviSci	Environmental Science	3	0	3	None
PE 3	PE 3	2	0	2	None
Sub- Total		22	1	23	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
Math 161	Engineering Mathematics for EE	3	0	3	Math 113
EE 202	Electrical Circuits 2	3	1	4	EE 201
ECE 201	Electronic Circuits: Devices and Analysis	3	1	4	EE 201
ES 262	Basic Thermodynamics	2	0	2	Phys 122
ES 137	Engineering Economics	3	0	3	Math 114
ECE 252	Electromagnetics	4	0	4	Phys 122; Math 113
GE Eth	Ethics	3	0	3	None
PE 4	PE 4	2	0	2	None
Sub- Total		23	2	25	

Third Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
EE 301	Numerical Methods and Analysis	2	1	3	Math 161
ECE 371	Logic Circuits and Switching Theory	3	1	4	ECE 201
ES 246	Environmental Science and Engineering	3	0	3	None
GE STS	Science, Technology and Society	3	0	3	None
EE 311	Industrial Electronics	3	1	4	ECE 201
EE 312	Fundamentals of Electronic Communications	3	0	3	ECE 201
EE 302	Electrical Machines 1	2	0	2	ECE 252; EE 202
ES 261	Fundamentals of Deformable Bodies	2	0	2	ES 255
Sub- Total		21	3	24	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CpE 371	Microprocessor Systems	3	1	4	ECE 371
EE 304	Electrical Apparatus and Devices	2	1	3	EE 202
EE 303	Electrical Machines 2	3	1	4	EE 302
ES 301	Basic Occupational Safety and Health	3	0	3	3rd year standing
ES 138	Technopreneurship	3	0	3	4 th year standing
EE 305	EE Law, Codes, and Professional Ethics	2	0	2	GE Eth
ECE 357	Feedback and Control Systems	3	0	3	Math 161; ECE 201
GE ConWorld	Contemporary World	3	0	3	None
Sub- Total		22	3	25	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CE 361	Principles of Steel Design	2	1	3	CE 360
CE 362	Principles of Reinforced/Prestressed Concrete	3	1	4	CE 360
CE 370	Hydrology	2	0	2	Math 112
CE 371	Hydraulics	4	1	5	ES 135 & ES 136
CE 452	CE Law, Ethics and Contracts	3	0	3	4th Year Standing
ES 138	Technopreneurship	3	0	3	3rd Year Standing
GE Usef	Understanding the Self	3	0	3	None
Sub- Total		20	3	23	

Summer					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CE Practicum	On-the-Job Training	2	240	3	4th Year Standing
Sub- Total		2	240	3	

Fourth Year First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CE 498	CE Project 1	1	1	2	ES 140 & 4th Year Standing
CE 480	Geotechnical Engineering 1 (Soil Mechanics)	3	1	4	Geol 123, ES 136 & 4th Year
CE 347	Principles of Transportation Engineering	3	0	3	CE 346
CE 456	Construction Cost Engineering	3	0	3	4th Year Standing
CE 457	Project Construction and Management	3	0	3	4th Year Standing
CE 455	Quantity Surveying	1	1	2	CE 354
GE ArtApp	Art Appreciation	3	0	3	None
GE LITE	Living in the IT Era	3	0	3	None
Sub- Total		20	3	23	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CE 499	CE Project 2	1	1	2	CE 498
CE 453	Construction Methods and Project Management	3	0	3	4th Year Standing
CE 458	Construction Occupational Safety and Health	3	0	3	4th Year Standing
CE 459	Data Management in Construction	3	0	3	4th Year Standing
CE 460	Advanced Construction Methods & Equipment	3	0	3	4th Year Standing
CE 491	CE Engineering Correlation Course	3	0	3	4th Year Standing
CE 493	CE Special Topics, Seminars and Field Trips	0	1	1	4th Year Standing
Sub- Total		16	2	18	
Grand Total		164	259	184	

SUMMARY	Units
I. Technical Courses	
A. Mathematics	19
B. Natural / Physical Science	10
C. Basic Engineering Sciences	27
D. Allied Courses	6
E. Professional Courses - Common	54
E. Professional Courses	15
G. On the Job Training (240 hrs)	3
Sub-Total	134
II. Non-Technical Courses	
A. General Education Courses	24
B. GEC Electives / Mandated Courses	12
C. Physical Education	8
D. NSTP	6
Sub-Total	50
Grand Total	184

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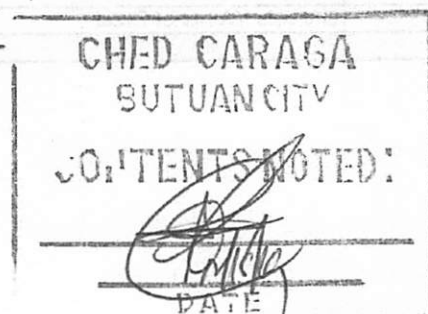
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BACHELOR OF SCIENCE IN CIVIL ENGINEERING (BSCE)
(Specialized in Construction Engineering and Management)
CMO No. 92, S. 2017
Effective A. Y. 2020-2021

First Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
MATH 111	Calculus	5	0	5	None
ES 130	Civil Engineering Orientation	2	0	2	None
CHEM 121	Chemistry for Engineers	3	1	4	None
GE STS	Science, Technology and Society	3	0	3	None
GE Math	Mathematics in Modern World	3	0	3	None
PE 1	Physical Fitness & Health	2	0	2	None
NSTP 1	National Service Training Program1	3	0	3	None
Sub- Total		21	1	22	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
Math 112	Calculus 2	5	0	5	Math 111
Phys 122	Physics for Engineers	3	1	4	Math 111; Co-requisite Math 112
ES 131	Engineering Drawing and Plans	0	1	1	None
GEOL 123	Geology for Civil Engineers	2	0	2	Chem 121
GE ConWorld	Contemporary World	3	0	3	None
GE PurComm	Purposive Communication	3	0	3	None
GE Eth	Ethics	3	0	3	None
PE 2	Rhythmic Activities	2	0	2	None
NSTP 2	National Service Training Program 2	3	0	3	NSTP 2
Sub- Total		24	2	26	

Second Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ES 134	Statics of Rigid Bodies	3	0	3	Math 112 & Phys 122
CE 245	Fundamentals of Surveying	3	1	4	ES 131
ES 137	Engineering Economics	3	0	3	2nd Year Standing
ES 141	Engineering Utilities 1 (Basic EE)	3	0	3	P6 122
ES 142	Engineering Utilities 2 (Basic ME)	3	0	3	P6 122
MATH 113	Differential Equations	3	0	3	Math 112
GE EnviSci	Environmental Science	3	0	3	None
PE 3	Individual & Dual Sports	2	0	2	None
Sub- Total		23	1	24	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ES 135	Dynamics of Rigid Bodies	2	0	2	ES 134
ES 136	Mechanics of Deformable Bodies	4	0	4	ES 134
MATH 114	Engineering Data Analysis	3	0	3	Math 111
ES 132	Computer Fundamentals and Programming	0	2	2	2nd Year Standing
ES 139	Engineering Management	3	0	3	2nd Year Standing
GE Entrep	The Entrepreneurial Mind	3	0	3	None
GE Hist	Readings in Philippine History	3	0	3	None
PE 4	Team Sports	2	0	2	None
Sub- Total		20	2	22	

Third Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CE 360	Structural Theory	3	1	4	ES 136
CE 351	Construction Materials & Testing	2	1	3	ES 136
CE 346	Highway and Railroad Engineering	3	0	3	CE 245
MATH 115	Numerical Solutions to CE Problems	2	1	3	ES 113
ES 133	Computer-Aided Drafting	0	1	1	3rd Year Standing
CE 354	Building Systems Design	2	1	3	ES 131
ES 140	Research Methods	3	0	3	Math 114 & GE PurComm
GE Rizal	Life and Works of Rizal	3	0	3	None
Sub- Total		18	5	23	

Summer						
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite	
OJT	On-the-Job Training	3	240	3	ECE 356, ECE 363, ECE 372, ECE 357, IC 103	
Sub- Total		3	240	3		

Fourth Year						
First Semester						
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite	
ECE 482	Capstone Project 1	0	1	1	ECE 356, ES 237, ECE 372, ECE	
ECE 465	Transmission Media and Antenna System & Design	3	1	4	ECE 363	
ECE 464	Data Communications	3	1	4	ECE 363	
ECE 497	Elective 1: Advance Instrumentation and Control	3	1	4	ECE 357	
ECE 498	Elective 2: Robotics Technology	3	1	4	ECE 357	
ECE 453	ECE Laws, Contracts, Ethics, Standard & Safety	3	0	3	None	
IC 104	ECE Review 2	0	1	1	IC 103	
Sub- Total		15	6	21		

Second Semester						
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite	
ES 484	Seminars/ Colloquium	0	1	1	4 th Year Standing	
ECE 483	Capstone Project 2	0	1	1	ECE 482	
ECE 495	Elective 3: Digital IC Design	3	1	4	ECE 356, ECE 372	
ECE 496	Elective 4: Advance Communication System and	3	1	4	ECE 465	
ES 438	Technopreneurship 101	3	0	3	4 th Year Standing	
GE Rizal	Life and Works of Rizal	3	0	3	None	
GE Hist	Readings in Philippine History	3	0	3	None	
Sub- Total		15	4	19		
Grand Total		160	327	189		

SUMMARY		Units
I. Technical Courses		
A. Mathematics		16
B. Natural / Physical Science		8
C. Basic Engineering Sciences		11
D. Allied Courses		20
E. Professional Courses		61
F. Cognates / Electives		16
G. On the Job Training (240 hrs)		3
	Sub-Total	135
II. Non-Technical Courses		
A. General Education Courses		24
B. GEC Elevtives / Mandated Courses		12
C. Physical Education		8
D. NSTP		6
	Sub-Total	50
II. Institutional Courses		
A. Introduction to Electronics Engineering		2
B. ECE Review 1		1
C. ECE Review 2		1
	Sub-Total	4
	Grand Total	189

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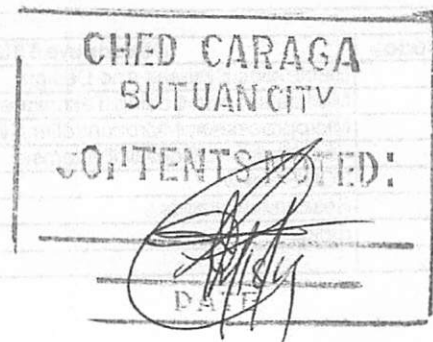
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BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING (BSECE)

CMO No. 101, S. 2017
Effective A.Y 2020-2021

First Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
GE Math	Mathematics in the Modern World	3	0	3	None
MATH 111	Calculus 1	5	0	5	None
IC 101	Introduction to Electronics Engineering	2	0	2	None
CHEM 121	Chemistry for Engineers	3	1	4	None
GE USelf	Understanding the Self	3	0	3	None
GE STS	Science, Technology and Society	3	0	3	None
PE 1	Physical Fitness and Health	2	0	2	None
NSTP 1	National Service Training Program 1	3	0	3	None
Sub- Total		24	1	25	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
Math 112	Calculus 2	5	0	5	Math 111
Phys 122	Physics for Engineers	3	1	4	Math 111; Co-requisite Math 112
ES 133	Computer Aided Drafting	1	1	2	None
GE ConWorld	The Contemporary World	3	0	3	None
GE PurComm	Purposive Communication	3	0	3	None
GE Entrep	The Entrepreneurial Mind	3	0	3	None
GE LITE	Living in the IT Era	3	0	3	None
PE 2	Rhythmic Activities	2	0	2	None
NSTP 2	National Service Training Program 2	3	0	3	NSTP 1
Sub- Total		26	2	28	

Second Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
MATH 113	Differential Equations	3	0	3	Math 112
PHYS 141	Physics 2	3	1	4	Phys 122
CpE 164	Computer Programming (Object Oriented)	0	2	2	None
ES 242	Materials Science and Engineering	3	0	3	Chem 121
ES 246	Environmental Science and Engineering	3	0	3	Chem 121
Math 114	Engineering and Data Analysis	3	0	3	Math 112
GE EnviSci	Environmental Science	3	0	3	None
GE ArtApp	Art Appreciation	3	0	3	None
PE 3	Individual and Dual Sports	2	0	2	None
Sub- Total		23	3	26	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CpE 252	Numerical Methods	3	1	4	Math 113
CpE 265	Software Design	3	1	4	CpE 263
ECE 242	Fundamentals of Electronic Circuits	3	1	4	ECE 241
GE Rizal	Life and Works of Rizal	3	0	3	None
GE PurComm	Purposive Communication	3	0	3	None
GE ConWorld	The Contemporary World	4	0	4	None
PE 4	Team Sports	2	0	2	None
Sub- Total		21	3	24	

Third Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
EE 202	Circuits 2	3	1	4	EE 201
ECE 355	Electronic Circuit Analysis and Design	3	1	4	ECE 254
ECE 371	Logic Circuits and Switching Theory	3	1	4	ECE 254
ECE 361	Signals, Spectra, Signal Processing	3	1	4	Math 151
ECE 362	Principles of Communication Systems	3	1	4	Co-req ECE 355
Sub- Total		15	5	20	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ECE 356	Electronics Systems and Design	3	1	4	ECE 355
ECE 363	Modulation and Coding Techniques	3	1	4	ECE 362
ECE 372	Microprocessor, Microcontroller Systems & Design	3	1	4	ECE 371
ECE 357	Feedback and Control Systems	3	1	4	Math 151
IC 103	ECE Review	0	1	1	EE 202, ECE 355, ECE 371, ECE
ES 140	Research Methods	3	0	3	GE PurComm, MATH 114
GE Eth	Ethics	3	0	3	None
Sub- Total		18	5	23	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CpE 343	Basic Occupational Health and Safety	3	0	3	3rd Year Standing
CpE 344	CpE Laws and Professional Practice	3	0	3	3rd Year Standing
CpE 371	Microprocessors	3	1	4	CpE 372
CpE 376	Computer Networks and Security	3	1	4	CpE 375
CpE 394	System and Network Administration 1	3	1	4	Co-requisite: CpE 376
ES 138	Technopreneurship	3	0	3	3rd Year Standing
ES 143	Research Methods	3	0	3	Math 114, GEPurComm & CpE 372
Sub- Total		21	3	24	

Summer					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
OJT	On-the-Job Training	3	240	3	4th Year Standing
Sub- Total		3	240	3	

Fourth Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CpE 445	Emerging Technologies in CpE	3	0	3	4th Year Standing
CpE 453	Digital Signal Processing	3	1	4	CpE 378
CpE 474	Computer Architecture and Organization	3	1	4	CpE 371
CpE 482	CpE Practice and Design 1	0	1	1	CpE 371 & ES 143
CpE 492	Embedded Systems 1	3	1	4	CpE 371
CpE 495	System and Network Administration 2	3	1	4	CpE 394
Sub- Total		15	5	20	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CpE 483	CpE Practice and Design 2	0	2	2	CpE 482
CpE 484	Seminars and Field Trips	0	1	1	4th Year Standing
CpE 493	Embedded Systems 2	3	1	4	CpE 492
CpE 496	System and Network Administration 3	3	1	4	CpE 495
GE Eth	Ethics	3	0	3	None
Sub- Total		9	5	14	
Grand Total		157	321	185	

SUMMARY	Units
I. Technical Courses	
A. Mathematics	16
B. Natural / Physical Science	8
C. Basic Engineering Sciences	11
D. Allied Courses	8
E. Professional Courses	76
F. Cognates / Electives	16
Sub-Total	135
II. Non-Technical Courses	
A. General Education Courses	24
B. GEC Electives / Mandated Courses	12
C. Physical Education	8
D. NSTP	6
Sub-Total	50
Grand Total	185

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BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (BSCpE)

CMO No. 87, S. 2017
Effective A.Y. 2020-2021

First Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CpE 141	Computer Engineering as a Discipline	2	0	2	None
CpE 162	Programming Logic and Design	0	2	2	None
Math 111	Calculus 1	5	0	5	None
CHEM 121	Chemistry for Engineers	3	1	4	None
GE STS	Science, Technology, and Society	3	0	3	None
GE Math	Mathematics in the Modern World	3	0	3	None
PE 1	Physical Fitness & Health	2	0	2	None
NSTP 1	National Service Training Program 1	3	0	3	None
Sub- Total		21	3	24	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
Math 112	Calculus 2	5	0	5	Math 111
Phys 122	Physics for Engineers	3	1	4	Math 111; Co-requisite Math 112
CpE 164	Object Oriented Programming	0	2	2	CPE 162
GE LITE	Living in the IT Era	3	0	3	None
GE Usef	Understanding the Self	3	0	3	None
GE Entrep	The Entrepreneurial Mind	3	0	3	None
GE Hist	Readings in Philippine History	3	0	3	None
PE 2	Rhythmic Activities	2	0	2	None
NSTP 2	National Service Training Program 2	3	0	3	NSTP 1
Sub- Total		25	3	28	

Second Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
Math 113	Differential Equations	3	0	3	Math 112
CpE 263	Data Structures and Algorithms	0	2	2	CpE 164
Math 114	Engineering Data Analysis	3	0	3	Math 111
CpE 251	Discrete Mathematics	3	0	3	Math 111
ECE 241	Fundamentals of Electrical Circuits	3	1	4	Phys 122
ES 133	Computer-Aided Drafting	1	1	2	2nd Year Standing
ES 137	Engineering Economics	3	0	3	2nd Year Standing
GE ArtApp	Art Appreciation	3	0	3	None
GE EnviSci	Environmental Science	3	0	3	None
PE 3	Individual & Dual Sports	2	0	2	None
Sub- Total		24	4	28	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CpE 252	Numerical Methods	3	0	3	Math 113
CpE 265	Software Design	3	1	4	CpE 263
ECE 242	Fundamentals of Electronic Circuits	3	1	4	ECE 241
GE Rizal	Life and Works of Rizal	3	0	3	None
GE PurComm	Purposive Communication	3	0	3	None
GE ConWorld	The Contemporary World	3	0	3	None
PE 4	Team Sports	2	0	2	None
Sub- Total		20	2	22	

Third Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CpE 372	Logic Circuits and Design	3	1	4	ECE 242
CpE 361	Computer Engineering Drafting and Design	0	1	1	ECE 242
CpE 366	Introduction to HDL	1	1	2	CpE 162 & ECE 242
CpE 373	Operating Systems	3	0	3	CpE 263
CpE 375	Data and Digital Communications	3	0	3	ECE 242
CpE 378	Feedback and Control Systems	3	0	3	CpE 252 & ECE 241
CpE 379	Fundamentals of Mixed Signals and Sensors	3	0	3	ECE 242
ES 139	Engineering Management	3	0	3	3rd Year Standing
Sub- Total		19	3	22	

Fourth Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CS 411	Thesis Writing 2	3	0	3	CS 322
CS 412	Social Issues and Professional Practice	3	0	3	CS 323
CS 413	Networks and Communications	2	3	3	ITE 121
CS 414	Geographical Information Systems	2	3	3	CS 325
GE ArtApp	Art Appreciation	3	0	3	None
GE Rizal	Life and Works of Rizal	3	0	3	None
Sub- Total		16	6	18	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CS 421	Practicum/On-Job Training (500 hrs)	0	6	6	Complete Academic
Sub- Total		0	6	6	
Grand Total		120	66	146	

SUMMARY	Units
General Education	36
Common Courses	18
Professional Courses	54
Professional Electives	9
Additional Math Requirements	6
PE	8
NSTP	6
Institutional Courses	9
Grand Total	146

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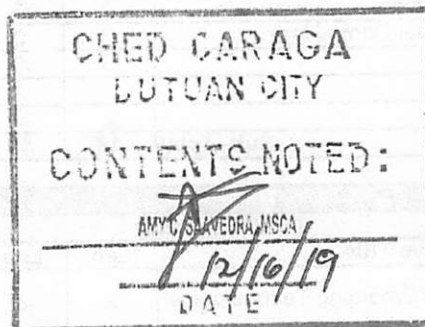
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BACHELOR OF SCIENCE IN COMPUTER SCIENCE

CMO No. 25 Series of 2015

Effective A.Y. 2020-2021

First Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ITE 111	Introduction to Computing	2	3	3	None
ITE 112	Fundamentals of Programming	2	3	3	None
Math Plus	Pre-Calculus	3	0	3	None
GE Math	Mathematics in the Modern World	3	0	3	None
GE USelf	Understanding the Self	3	0	3	None
GE LiTE	Living in the IT Era	3	0	3	None
PE 1	Physical Fitness and Health	2	0	2	None
NSTP 1	National Service Training Program 1	3	0	3	None
Sub- Total		21	6	23	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ITE 121	Intermediate Programming	2	3	3	ITE 112
CS 121	Discrete Structures 1	3	0	3	GE Math, Math Plus
Math 121	Basic Calculus	3	0	3	Math Plus
GE PurComm	Purposive Communication	3	0	3	None
GE Hist	Readings in Philippine History	3	0	3	None
GE Entrep	The Entrepreneurial Mind	3	0	3	None
PE 2	Rhythmic Activities	2	0	2	None
NSTP 2	National Service Training Program 2	3	0	3	NSTP 1
Sub- Total		22	3	23	

Second Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ITE 211	Data Structures and Algorithms	2	3	3	ITE 121
CS 211	Discrete Structures 2	3	0	3	CS 121
CS 212	Object-Oriented Programming	2	3	3	ITE 121
CS 213	Human Computer Interaction	2	3	3	ITE 121
GE EnviSci	Environmental Science	3	0	3	None
GE STS	Science, Technology and Society	3	0	3	None
PE 3	Individual and Dual Sports	2	0	2	None
Sub- Total		17	9	20	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ITE 221	Information Management	2	3	3	ITE 211, CS 212
CS 221	Algorithms and Complexity	2	3	3	ITE 211, CS 121
CS 222	Architecture and Organization	2	3	3	ITE 211, CS 211
CS 223	Elective 1 (Graphics & Visual Computing)	2	3	3	CS 213
CS 224	Operating Systems	3	0	3	ITE 211
GE ConWorld	The Contemporary World	3	0	3	None
PE 4	Team Sports	2	0	2	None
Sub- Total		16	12	20	

Third Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CS 311	Application Development & Emerging Technologies	2	3	3	ITE 221
CS 312	Automata Theory and Formal Languages	3	0	3	CS 221
CS 313	Information Assurance and Security	3	0	3	ITE 221
CS 314	Software Engineering 1	2	3	3	ITE 221, CS 212
CS 315	Elective 2 (Intelligent System)	2	3	3	CS 223, CS 212
CS 316	Quantitative Methods (inclgd. Modeling & Simulation)	2	3	3	CS 221
Sub- Total		14	12	18	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
CS 321	Programming Languages	2	3	3	ITE 211, CS 212
CS 322	Thesis Writing 1	3	0	3	CS 311, CS 314, CS 315, CS
CS 323	Software Engineering 2	2	3	3	CS 314
CS 324	Elective 3 (Parallel & Distributed Computing)	2	3	3	CS 315, CS 222
CS 325	Data Mining	2	3	3	CS 316, CS 212
GE Eth	Ethics	3	0	3	None
Sub- Total		14	12	18	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
IT 321	Capstone Project 1	3	0	3	IT 311, IT 314
IT 322	Information Assurance and Security 1	2	3	3	IT 312
IT 323	System Integration and Architecture 2	2	3	3	IT 313
IT 324	Social Issues and Professional Practices	3	0	3	3rd Year Standing
ITE 325	Application Development and Emerging Technologies	2	3	3	IT 314
GE Rizal	Life and Works of Rizal	3	0	3	None
Sub- Total		15	9	18	

Fourth Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
IT 411	Capstone Project 2	3	0	3	IT 321
IT 412	System Administration and Maintenance	2	3	3	IT 322
IT 413	Web System and Technologies	2	3	3	IT 325
IT 414	Information Assurance and Security 2	2	3	3	IT 322
ITE 415	Computer Aided Design (CAD)	2	3	3	4th Year Standing
GE Eth	Ethics	3	0	3	None
Sub- Total		14	12	18	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
IT 421	Practicum/On-Job Training (500 hrs)	0	6	6	4th Year Standing
Sub- Total		0	6	6	
Grand Total		124	81	155	

SUMMARY	Units
General Education	36
Common Courses	18
Professional Courses	48
Professional Electives	18
Additional Math Requirements	6
PE	8
NSTP	6
Institutional Courses	15
Grand Total	155

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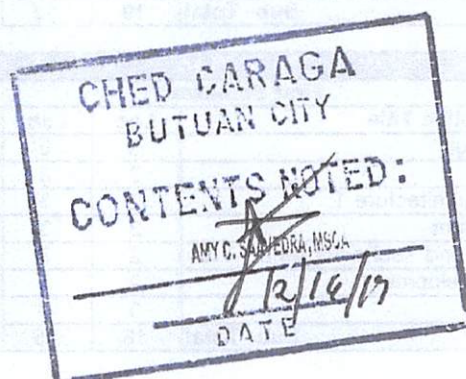
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BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

CMO No. 25 Series of 2015

Effective A.Y. 2020-2021

First Year						
First Semester						
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite	
ITE 111	Introduction to Computing	2	3	3	None	
ITE 112	Fundamentals of Programming	2	3	3	None	
Math Plus	Pre-Calculus	3	0	3	None	
GE Math	Mathematics in the Modern World	3	0	3	None	
GE USelf	Understanding the Self	3	0	3	None	
GE LITE	Living in the IT Era	3	0	3	None	
PE 1	Physical Fitness and Health	2	0	2	None	
NSTP 1	National Service Training Program 1	3	0	3	None	
Sub- Total		21	6	23		

Second Semester						
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite	
ITE 121	Intermediate Programming	2	3	3	ITE 112	
IT 122	Introduction to Human Computer Interaction	2	3	3	ITE 112	
IT 123	Discrete Mathematics	3	0	3	GE Math, Math Plus	
Math 121	Basic Calculus	3	0	3	Math Plus	
GE PurComm	Purposive Communication	3	0	3	None	
GE Entrep	The Entrepreneurial Mind	3	0	3	None	
PE 2	Rhythmic Activities	2	0	2	None	
NSTP 2	National Service Training Program 2	3	0	3	NSTP 1	
Sub- Total		21	6	23		

Second Year						
First Semester						
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite	
ITE 211	Data Structures and Algorithm	2	3	3	ITE 121	
IT 212	Object-Oriented Programming	2	3	3	ITE 121	
IT 213	Platform Technologies	2	3	3	ITE 121	
IT 214	Human Computer Interaction 2	2	3	3	ITE 122	
ITE 215	Installation of Hardware and Software	2	3	3	ITE 111	
GE EnviSci	Environmental Science	3	0	3	None	
GE STS	Science, Technology and Society	3	0	3	None	
PE 3	Individual and Dual Sports	2	0	2	None	
Sub- Total		18	15	23		

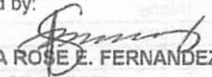
Second Semester						
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite	
ITE 221	Information Management	2	3	3	IT 211	
IT 222	Networking 1	2	3	3	IT 213	
IT 223	Integrative Programming and Technologies 1	2	3	3	IT 212, IT 213	
IT 224	Quantitative Methods (including Modeling and Simulation)	3	0	3	IT 123	
ITE 225	Multimedia Development	2	3	3	ITE 111, IT 214	
GE ConWorld	The Contemporary World	3	0	3	None	
GE Hist	Readings in the Philippine History	3	0	3	None	
PE 4	Team Sports	2	0	2	None	
Sub- Total		19	12	23		

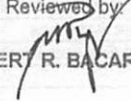
Third Year						
First Semester						
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite	
ITE 311	Systems Analysis & Design	3	0	3	ITE 221	
IT 312	Networking 2	2	3	3	IT 213	
IT 313	System Integration and Architecture 1	2	3	3	IT 223	
IT 314	Advanced Database System	2	3	3	IT 221	
IT 315	Integrative Programming and Technologies 2	2	3	3	IT 223	
ITE 316	Animation and Game Development	2	3	3	IT 214, ITE 225	
GE ArtApp	Arts Appreciation	3	0	3	None	
Sub- Total		16	15	21		

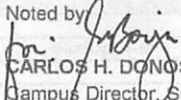
Fourth Year						
First Semester						
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite	
IS 411	Capstone Project 2	2	3	3	IS 321, IS 324, ITE 325	
IS 412	IS Strategy, Management & Acquisition	3	0	3	4th Year Standing	
IS 413	Business Intelligence	3	0	3	IS 322, IS 323, IS 324	
GE ArtApp	Arts Appreciation	3	0	3	None	
GE Eth	Ethics	3	0	3	None	
Sub- Total		14	3	15		

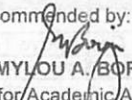
Second Semester						
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite	
IS 421	Practicum/On-Job Training (500 hrs)	0	6	6	4th Year Standing	
Sub- Total		0	6	6		
Grand Total		126	48	146		

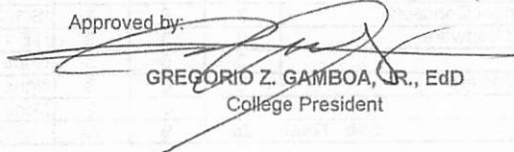
SUMMARY	Units
General Education	36
Common Courses	18
Professional Courses	48
Professional Electives	12
Additional Math Requirements	6
PE	8
NSTP	6
Institutional Courses	12
Grand Total	146

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CONTENTS NOTED:



12/16/15
 DATE



BACHELOR OF SCIENCE IN INFORMATION SYSTEM

CMO No. 25 Series of 2015
Effective AY 2020-2021

First Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ITE 111	Introduction to Computing	2	3	3	None
ITE 112	Fundamentals of Programming	2	3	3	None
Math Plus	Pre-Calculus	3	0	3	None
GE Math	Mathematics in the Modern World	3	0	3	None
GE USelf	Understanding the Self	3	0	3	None
GE LITE	Living in the IT Era	3	0	3	None
PE 1	Physical Fitness and Health	2	0	2	None
NSTP 1	National Service Training Program 1	3	0	3	None
Sub- Total		21	6	23	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ITE 121	Intermediate Programming	2	3	3	ITE 112
IS 122	Fundamentals of Information Systems	3	0	3	ITE 112
Math 121	Basic Calculus	3	0	3	GE Math, Math Plus
GE PurComm	Purposive Communication	3	0	3	None
GE Hist	Readings in the Philippine History	3	0	3	None
GE Entrep	The Entrepreneurial Mind	3	0	3	None
PE 2	Rhythmic Activities	2	0	2	None
NSTP 2	National Service Training Program 2	3	0	3	NSTP 1
Sub- Total		22	3	23	

Second Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ITE 211	Data Structures and Algorithm	2	3	3	ITE 121
IS 212	Professional Issues in Information Systems	3	0	3	IS 122
IS 213	IT Infrastructure & Network Technologies	2	3	3	IS122
IS 214	Organizational & Management Concepts	3	0	3	IS 122
ITE 215	Installation of Hardware and Software	2	3	3	ITE 111
GE EnviSci	Environmental Science	3	0	3	None
GE STS	Science, Technology and Society	3	0	3	None
PE 3	Individual and Dual Sports	2	0	2	None
Sub- Total		20	9	23	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ITE 221	Information Management	2	3	3	ITE 211
IS 222	Enterprise Architecture	2	3	3	IS 213
IS 223	Financial Management	3	0	3	IS 214
IS 224	IT Audit & Controls	3	0	3	IS 212, IS 214
ITE 225	Multimedia Development	2	3	3	ITE 111, ITE 121
GE ConWorld	The Contemporary World	3	0	3	None
GE Rizal	Life and Works of Rizal	3	0	3	None
PE 4	Team Sports	2	0	2	None
Sub- Total		20	9	23	

Third Year					
First Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
ITE 311	System Analysis & Design	2	3	3	ITE 221
IS 312	Business Process Management	3	0	3	IS 223
IS 313	Quantitative Methods	3	0	3	3rd year standing
IS 314	IS Innovations and New Technologies	3	0	3	IS 222
ITE 315	Web Based Programming and Applications	2	3	3	ITE 221, ITE 225
IS 316	Accounting	3	0	3	None
Sub- Total		16	6	18	

Second Semester					
Course Code	Descriptive Title	Lec	Lab	Units	Pre-requisite
IS 321	Capstone Project 1	3	0	3	ITE 311, ITE 315
IS 322	IS Project Management	3	0	3	ITE 311, IS 314
IS 323	Evaluation of Business Performance	3	0	3	IS 312
IS 324	Data Mining	2	3	3	ITE 311, IS 312
ITE 325	Application Development and Emerging Technologies	2	3	3	ITE 315, ITE 311
Sub- Total		13	6	15	