Bachelor of Science in Computer Engineering

Curriculum Map

Code	Mathematics	Units	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
M-01	College Algebra	3	I						I											
M-02	Advanced Algebra	2	I						I											
M-03	Plane & Spherical Trigonometry	3	I						I											
M-04	Analytic Geometry	3	I						I											
M-05	Plane and Solid Mensuration	2	I						I											
M-06	Differential Calculus w/ Eng'g. App.	4	I						I											
M-07	Integral Calculus w/ Eng'g. App.	4	I						I											
M-08	Differential Equations w/ Eng'g. App.	3	E						I											
M-09	Engineering Probability & Statistics	3	E						I											

Code	Natural/Physical Sciences	Units	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
S-01	General Chemistry	3	I	I					I											
L-01	General Chemistry Lab	1	I	I					I											
S-02	Engineering Physics 1	3	I	I					I											
L-02	Engineering Physics 1 Lab	1	I	I					I											
S-03	Engineering Physics 2	3	I	I					I											
L-03	Engineering Physics 2 Lab	1	I	I					I											

Code	Basic Engineering Sciences	Units	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
E-01	Engineering Drawing 1	1	I						I											
E-02	Computer Fund. & Programming 1 Lab	2	I						I											
E-03	Computer-Aided Drafting and Design	1	I						I											
E-04	Statics of Rigid Bodies	3	I						I											
E-05	Dynamics of Rigid Bodies	2	I						I											
E-06	Mechanics of Deformable Bodies	3	I						I											
E-07	Engineering Economy	3	E				E		I	E		E	E							
E-08	Engineering Management	3	E			E	E	D	E			E	E							
E-09	Environmental Engineering	3	E			E	E	D	E	E										
E-10	Safety Management	1	E		E	E	E	D	E	E										

Code	Allied Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
A-01	Circuit Analysis 1	3	E						E			E	E		E					
L-04	Circuit Analysis 1 Lab	1													D					
A-03	Circuit Analysis 2	3	D						D			D	D		D					
L-05	Circuit Analysis 2 Lab	1													D					
A-05	Electronics Devices and Circuits	3	D						D			D	D		D					
L-06	Electronics Devices and Circuits Lab	1													D					
A-07	Electronics Circuits Analysis and Design	3	I						I						D					
L-07	Electronics Circuits Analysis and Design Lab	1													D					
A-09	Entrepreneurship Principles and Practices	3	I	I	I				I											

Map Legend

Code	Course Classification
M-XX	Mathematics
S-XX	Natural or Physical Science
L-XX	Laboratory Course
E-XX	Engineering Science
A-XX	Allied
P-XX	Professional
N-XX	Non-Technical
I-XX	Institutional
Note:	Please delete any extra outcome column

Code	Descriptor
I	Introductory Course to an Outcome
E	Enabling Course to an Outcome
D	Demonstrative Course to an Outcome

Code	Definition
I	A formative course to an outcome
E	A course strengthening further an outcome
D	A course demonstrating an outcome

Comments by Evaluator

Code	Professional Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
P-01	Advanced Engineering Mathematics for CpE	3	I						I				I							
P-02	Discrete Mathematics	3	E		E				E				E							
P-03	Numerical Methods	3	I						I				I							
L-08	Numerical Methods Lab	1													D					
L-09	Computer Engineering Drafting and Design Lab	1	D		D				D				D		D					
P-04	Feedback and Control Systems	3	E	E			E		E				E		E					
L-10	Feedback and Control Systems Lab	1																		
P-05	Computer System Architecture	3	D	D	D		D		D	D	D	D	D		D					
L-11	Computer System Architecture Lab	1																		
P-06	Computer System Organization with Assembly Language	3	D	D	D		D		D	D	D	D	D		D					
L-12	Computer System Organization with Assembly Language Lab	1	D	D	D		D		D	D	D	D	D		D					
P-07	Principles of Communications	3	D		D		D		D		D	D	D		D					
L-13	Principles of Communications Lab	1																		
P-08	Data Communications	3	D		D		D		D	D	D	D	D		D					
L-14	Data Communications Lab	1																		
P-09	Computer Networks	3	D		D	D	D		D	D	D	D	D		D					
L-15	Computer Networks Lab	1	D		D	D	D		D	D	D	D	D		D					
P-10	Data Structures and Algorithms Analysis	3	D		D	D	D	D	D	D	D	D	D		D					
L-16	Data Structures and Algorithms Analysis Lab.	1																		
P-11	Operating Systems	3	D		D	D	D	D	D	D	D	D	D		D					
L-17	Operating Systems Lab.	1	D		D	D	D	D	D	D	D	D	D		D					
P-12	Systems Analysis and Design	2	D		D	D	D	D	D	D	D	D	D		D					
L-18	Systems Analysis and Design Lab	1																		
P-13	Engineering Ethics & Computer Laws	2	D		D	D	D	D	D	D	D	D	D		D					
L-19	Computer Hardware Fundamentals Lab	1	D	D	D	D	D		D	D	D	D	D		D					
P-14	Advanced Logic Circuit Design	3	D	D	D	D	D		D	D	D	D	D		D					
L-20	Advanced Logic Circuit Design Lab	1	D	D	D	D	D		D	D	D	D	D		D					
P-15	Logic Circuits and Switching Theory	3	D	D	D	D	D	D	D	D	D	D	D		D					
L-21	Logic Circuits and Switching Theory Lab	1													D					
P-16	Signals Spectra and Signal Processing	3	D		D	D	D	D	D	D	D	D	D		D					
L-22	Signals Spectra and Signal Processing Lab	1													D					
P-17	Object Oriented Programming	2	D	D	D	D	D	D	D	D	D	D	D		D					
L-23	Object Oriented Programming Lab	1													D					
P-18	Microprocessor Systems	3	D	D	D	D	D	D	D	D	D	D	D		D					
L-24	Microprocessor Systems Lab	1													D					
P-19	Design Project 1 (Methods of Research)	3	D	D	D	D	D	D	D	D	D	D	D	D	D					
P-20	Design Project 2 (Project Implementation)	2	D	D	D	D	D	D	D	D	D	D	D	D	D					
P-21	Software Engineering	3	D	D	D	D	D	D	D	D	D	D	D		D					
P-22	CPE Seminars and Field Trips	1	D	D	D	D	D	D	D	D	D	D	D		D					
P-23	Industry Practice (at least 240hrs.)	1								E	E	E	E	E						

Code	Elective Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
	Track 1: Embedded Systems																			
P-24	Embedded Systems	3	D	D	D		D		D	D	D	D	D		D					
P-25	Microelectronics	3	D	D			D		D	D	D	D	D		D					
P-26	Instrumentation and Control	3	D	D	D		D		D	D	D	D	D		D					
	Track 2: Microelectronics																			
P-27	IC Fabrication	3	D		D	D	D		D		D	D	D		D					
P-28	Microelectronics	3	D			D	D		D	D	D	D	D		D					
P-29	Test and Quality Assurance	3	D				D		D		D	D	D		D					
	Track 3: Information Technology																			
P-30	Online Technology	3	D		D	D	D		D	D	D	D	D		D					
P-31	Management and Information System	3	D		D		D		D		D	D	D		D					
P-32	Emerging Technology	3	D		D	D			D	D	D	D	D		D					
	Track 4: Software Development																			
P-33	Database Management System	3	D	D	D	D	D		D	D	D	D	D		D					
P-34	Management and Information System	3	D				D		D		D	D	D		D					
P-35	Project Management	3	D			D			D	D	D	D	D		D					

Code	Non Technical Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
N-01	Kasaysayan at Kultura ng Pilipinas	3				I		I	I											
N-02	Philippine Government with Constitution of the Philippines	3				I		I	I											
N-03	Economic with LRT	3				I		I	I											
N-04	General Psychology	3				I		I	I											
N-05	Art Appreciation	3				I		I	I											
N-06	Society and Culture with Family Planning & HIV/AIDS Education	3				I		I	I											
N-07	Logic	3				I		I	I											
N-08	Communication Arts and Skills 1	3							I											
N-09	Speech and Oral Communication	3							I											
N-10	Technical Writing	3							I											
N-11	Komunikasyon sa Akademikong Filipino	3				I														
N-12	Panitikang Pilipino	3				I														
N-13	Kursong Rizal	3						I	I											
N-14	PE 1 Physical Fitness & Self-Testing Activities	2							I											
N-15	PE 2 Individual/Dual Sports	2							I											
N-16	PE 3 Swimming	2							I											
N-17	PE 4 Team Sports	2							I											
N-18	NSTP1	3							I											
N-19	NSTP2	3							I											

Code	Institutional Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
I-01	Foundations of Christian Faith	3						I	I											
I-02	Discipleship in the Christian Community	3						I	I											
I-03	Living Our Christian Commitment	3						I	I											
I-04	Spirituality of Social Transformation	3						I	I											
I-05	Intensive English	2							I											
I-06	Introduction to DLSU-D	0							I											
I-07	Career Pathing	0							I											