Computer Engineering Curriculum Map

Code	Mathematics	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
M-01	College Algebra 1	3	I				I								
M-02	College Algebra 2	2	I				I								
M-03	Plane & Spherical Trigonometry	3	I				I								
M-04	Analytic Geometry	3	I				I								
M-05	Solid Mensuration	2	I				I								
M-06	Differential Calculus	4	I				I								
M-07	Integral Calculus	4	I				I								
M-08	Differential Equations	3	I				I								
M-09	Probability & Statistics	3	I				I								

Code	Natural/Physical Sciences	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
S-01	General Chemistry Lecture	3	I				I								
L-01	General Chemistry Laboratory	1	I	D		E	I								
S-02	Physics 1 Lecture	4	I				I								
L-02	Physics 1 Laboratory	1	I	D		E	I								
S-03	Physics 2 Lecture	4	I				I								
L-03	Physics 2 Laboratory	1	I	D		E	I								

Code	Basic Engineering Sciences	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
E-01	Engineering Drawing	1	E				E								
E-02	Programming 1	1	E				E								
E-03	Programming 2	1	E				E								
E-04	Basic Computer-Aided Drafting	1	E				E								
E-05	and Applications	1	E				E								
E-06	Statics of Rigid Bodies	3	E				E								
E-07	Dynamics of Rigid Bodies	2	E				E								
E-08	Mechanics of Deformable Bodies	3	E				E								
E-09	Engineering Economy	3	E				E			E					
E-10	Engineering Management	3	E				E			E					
E-11	Management	3	E				E			E					

Code	Allied Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
A-01	Circuits 1 Lecture	3	E				E						E		
L-04	Circuits 1 Laboratory	1	E	E			E						E		
A-02	Circuits 2 Lecture	3	E				E						E		
L-05	Circuits 2 Laboratory	1	E	E			E						E		
A-03	Electronic Devices and Circuits Lecture	3	E				E						E		
L-06	Laboratory	1	E	E			E						E		
A-04	Design Lecture	3	E				E						E		
L-07	Design Laboratory	1	E	E			E						E		
A-05	Entrepreneurship	3	E				E						E		

Code	Professional Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
P-01	with Numerical Methods	4	E	D			E								
P-02	Discrete Mathematics	3	E				E								
P-03	Design	1	E	D			E						D		
P-04	Feedback and Control Systems	3	E				E								
L-08	Feedback and Control Systems Laboratory	1	E	D			E						D		
P-05	Computer Systems Architecture	3	E				E								
L-09	Computer Systems Architecture Laboratory	1	E	D			E						D		
P-06	Computer Systems Organization with Assembly Language	3	E				E								
L-10	Computer Systems Organization with Assembly Language Laboratory	1	E	D			E						D		
P-07	Principles of Communication	3	E				E								
P-08	Data Communications	3	E				E								
P-09	Computer Networks	4	E	D	D		E						D		
P-10	Data Structures and Algorithms Analysis	3	E				E								
L-11	Data Structures and Algorithms Analysis Laboratory	1	E	D			E						D		
P-11	Operating Systems	3	E				E								
L-12	Operating Systems Laboratory	1	E	D			E						D		
P-12	Systems Analysis and Design	3	E		D		E						D	D	
P-13	Engineering Ethics and Computer Laws	2	E						D		D	D			
P-14	Computer Hardware Fundamentals	1	E	D			E						D		
P-15	Advanced Logic Circuits Design	3	E				E								
L-13	Advanced Logic Circuits Design Laboratory	1	E	D	D		E						D		
P-16	Logic Circuits and Switching Theory	3	E				E								
L-14	Logic Circuits and Switching Theory Laboratory	1	E	D	D		E						D		
P-17	Digital Signal Processing	3	E				E								
L-15	Digital Signal Processing Laboratory	1	E	D	D		E						D		
P-18	Object-Oriented Programming	3	E				E								
L-16	Object-Oriented Programming Laboratory	1	E	D	D		E						D		
P-19	Microprocessor Systems	3	E				E								
L-17	Microprocessor Systems Laboratory	1	E	D	D		E						D		
P-20	Design Project 1	2	E	D	D	D	E	E	D		D	D	D	D	
P-21	Design Project 2	2	E	D	D	D	E	E	D		D	D	D	D	
P-22	Software Engineering	3	E				E	E			D	D	D	D	
P-23	CpE Seminars and Field Trips	1	E			D	E	D			D	D	D	D	
P-24	Computer Engineering On-The-Job Training	3	E			D	E	E	D		D	D	D	D	D
P-25	Database Management System	3	E	D	D	D	E		D			D	D	D	
P-26	Emerging Technology	3	E				E								
P-27	Online Techhnology	3	E	D			E				D		D		
P-28	Technology	3	E	D	D		E								
P-29	Embedded Systems	3	E				E								
P-30	IC Fabrication	3	E				E								
P-31	Instrumentation and Controls	3	E				E								
P-32	Microelectronics	3	E				E								
P-33	Project Management	3	E				E							D	
P-34	Management	3	E				E							D	
P-35	Management Information Systems	3	E			E	E								

Code	Non-Technical Courses		a	b	c	d	e	f	g	h	i	j	k	l	m

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
E	Enabling Course
D	Demonstrative Course
Code	**Definition**
I	An introductory course to an outcome
E	A course that strengthens the outcome
D	A course demonstrating an outcome

N-01	Reading and Writing	3							D						
N-02	Philippine History	3							E						
N-03	PE 1: Self-Testing Activities	2													
N-04	Speech and Oral Communication	3							D						
N-05	Logic	3													
N-06	Art Appreciation	3													
N-07	Activities	2													
N-08	General Psychology	3													
N-09	Technical Communication	3							D						
N-10	Filipino	3							D						
N-11	Sports	2													
N-12	Life and Works of Rizal	3								E					
N-13	Constitution	3								E	E				
N-14	Pananaliksik	3							D						
N-15	PE 4: Team Sports	2													
N-16	and Land Reform	3								E					
N-17	Philosopy of Man	3													
N-18	Relations	1							D						

Code	Institutional Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
I-01	Sowing Seeds of Faith	3													
I-02	Step to Conversion	3													
I-03	Set to Uphold the Church's Conviction	3													
I-04	Send to be Evangelizers	3													
I-05	Computer Programming 1	1	E	D									D		
I-06	Computer Programming 2	1	E	D									D		
I-07	Civic Welfare Training Services 1	3													D
I-08	Civic Welfare Training Services 2	3													D
I-09	Information and Communications Technology 1	1	E	D									D		
I-10	Information and Communications Technology 2	1	E	D									D		
I-11	Information and Communications Technology 3	1	E	D									D		