University of St. La Salle
BACOLOD

COMPUTER ENGINEERING

CURRICULUM MAP

OUTCOMES BASED (OBE) SYSTEM

COMPUTER ENGINEERING

CURRICULUM MAP | OUTCOMES BASED (OBE) SYSTEM

Code	Mathematics	Units	a	b	c	d	e	f	g	h	i	j	k	l
M-01	Algebra and Trigonometry	3	I											
M-02	Calculus 1	4	I											
M-03	Calculus 2	4	I											
M-04	Differential Equation	3	I											
M-05	Engineering Data Analysis	2	I	I										
		16												

Code	Natural/Physical Sciences	Units	a	b	c	d	e	f	g	h	i	j	k	l
S-01	Chemistry for Engineers (Lec)	4	I											
L-01	Chemistry for Engineers (Lab)	1	I	I										
S-02	Physics for Engineers (Lec)	4	I											
L-02	Physics for Engineers (Lab)	1	I	I										
		10												

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M-XX	Mathematics
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Code	Basic Engineering Sciences	Units	a	b	c	d	e	f	g	h	i	j	k	l
E-01	Computer Aided Drafting	1	I										I	
E-02	Engineering Drawing	1	I											
E-03	Engineering Economics	3					I							E
E-04	Engineering Management	2				I		I	I	I		I	I	
E-05	Technopreneurship 101	3		I										I
		10												

	Allied Courses	Units	a	b	c	d	e	f	g	h	i	j	k
A-01	Fundamentals of Electrical Circuits for CpE (Lec)	3	E				E						
L-03	Fundamentals of Electrical Circuits for CpE (Lab)	1	E	E			E						
A-02	Fundamentals of Electronic Circuits for CpE (Lec)	3	E										
L-04	Fundamentals of Electronic Circuits for CpE (Lab)	1	E	E									
L-05	Practical Electronics	1	E	E			E						E
		9											

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P-01	Basic Occupational Health and Safety	3						E		E		I		
P-02	Computer Architecture and Organization (Lec)	3			E									
L-06	Computer Architecture and Organization (Lab)	1		E	E									
P-03	Computer Engineering as Discipline	1										I		
P-04	Computer Engineering Drafting and Design	1											E	
P-05	Computer Hardware Fundamentals for CpE	1											E	
P-06	Computer Networks and Security (Lec)	3	E		E		E		E	E		E	E	
L-07	Computer Networks and Security (Lab)	1	E	E	E		E			E			E	
P-07	CpE Laws and Professional Practice	2						E	E	E	E	E	E	
P-08	CpE Practice and Design 1	1					D	D	D	D		D		
P-09	CpE Practice and Design 2	2	D	D	D	D	D	D	D	D	D	D	D	D
P-10	Data and Digital Communications	3	E											
P-11	Data Structures and Algorithms	2		E	E		E			E				
P-12	Digital Signal Processing (Lec)	3	E											
L-08	Digital Signal Processing (Lab)	1	E	E										
P-13	Discrete Mathematics	3	I											

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P-14	Embedded Systems (Lec)	3	E	E	E		E	E		E			E	
L-09	Embedded Systems (Lab)	1		E	E									
P-15	Emerging Technologies in CpE	3										E	E	
P-16	Feedback and Control Systems	3	E											
P-17	Fundamentals of Mixed Signals and Sensors	3	E											
P-18	Introduction to HDL	1			E								E	E
P-19	Logic Circuits and Design (Lec)	3	E											
L-10	Logic Circuits and Design (Lab)	1		E										
P-20	Methods of Research	2		E		E	E		E		E			
P-21	Microprocessors (Lec)	3			E								E	
L-11	Microprocessors (Lab)	1		E	E								E	
P-22	Mobile Programming	1			I		I			I			I	
P-23	Numerical Methods	3	E										I	E
P-24	Object Oriented Programming	2		E	E		E						I	
P-25	On the Job Training	3			D	D	D	D			D		D	D
P-26	Operating Systems	3											E	

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P-27	Python Programming	1			I		I			I			I	
P-28	Programming Logic and Design	2			I		I			I				
P-29	Seminars and Field trips	3						D	D	D	D	D		D
P-30	Software Design	3			E									
		74												

Code	Technical Elective Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l
T-01	Software Development 1	3		E			E			E				E
T-02	Software Development 2	3			E								E	
T-03	Software Development 3	3		E	E		E			E			E	
		9												

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N-01	Art Appreciation	3				I				I				
N-02	Ethics	3								I		I		
N-03	Gender and Society	3												
N-04	Great Books	3												
N-05	Life and Works of Rizal	3								I		I		
N-06	Logic	3												
N-07	Mathematics for Modern World	3	I				I							
N-08	National Service Training Program 1	3				I						I		
N-09	National Service Training Program 2	3				I						I		
N-10	Physical Education 1	2				I								
N-11	Physical Education 2	2				I								
N-12	Physical Education 3	2				I								
N-13	Physical Education 4	2				I								
N-14	Public Speaking	3												
N-15	Purposive Communication	3						I		I				
N-16	Readings in Philippine History	3						I				I		

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N-17	Science, Technology and Society	3								I		I		
N-18	The Contemporary World	3									I	I		
N-19	Understanding the Self	3							I		I	I		
		56												

Code	Institutional Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l
I-01	Group Guidance 1	1.5												
I-02	La Sallian Spirituality	3												
I-03	Christian Morality	3												
I-04	Spirituality in the Workplace	3												
		10.5												

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