

BSESE 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																	
M-02	Advanced Algebra	3	I																	
M-03	Plane & Spherical Trigonometry	3	I																	
M-04	Analytic Geometry	4	I																	
M-05	Solid Mensuration	2	I																	
M-06	Differential Calculus	5	I																	
M-07	Integral Calculus	5	I																	
M-08	Differential Equations	3	I																	
M-09	Probability & Statistics	3	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																	
L-01	General Chemistry Lab	1		I																
S-02	Physics 1	3	I																	
L-02	Physics 1 Lab	1		I																
S-03	Physics 2	3	I																	
L-03	Physics 2 Lab	1		I																
S-04	General & Inorganic Chemistry 2	3	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	2																		
E-02	Computer Fundamentals	1																		
E-03	Computer-Aided Drafting	1																		
E-04	Statics of Rigid Bodies	3																		
E-05	Dynamics of Rigid Bodies	2																		
E-06	Strength of Materials	5																		
E-07	Engineering Economy	3																		
E-08	Engineering Management	3					E		E		E		I		I		E			
E-09	Environmental Engineering	3							E		E		I		I					
E-10	Safety Engineering	1							E		E		I		I					
L-04	Advanced Computer Programming	1																		

Code	Allied Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
A-01	Surveying 1 (Elem. & Higher Survey)	3						E												
L-001	Surveying 1 (Elem. & Higher Survey)	1		I																
A-02	Surveying 2 (Engineering Surveys)	3						E												
L-002	Surveying 2 (Engineering Surveys) Lab	1		I																
A-03	Soil and Rock Mechanics	3						E												
L-003	Soil and Rock Mechanics Lab	1			E															
A-04	Theory of Structures 1	3						E												
L-004	Theory of Structures 1 Lab	1			I															
A-05	Engineering Materials and Testing	3						E												
L-005	Engineering Materials and Testing Lab	1			E															
A-06	Construction Management 1	2					E	E						E		E				
L-006	Construction Management 1 Lab	1			E															
A-07	Engineering Geology 1	1						E												
L-008	Methods of Research	1							E			I								
A-09	Thermodynamics	3																		
A-10	Electrical Circuits	3																		

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 for SE	3	I																	
P-02	Public Health Engineering	3				E		E					E		E					
P-03	Sanitary Science Applied to Building	3				E		E					E		E					
P-04	Occupational Health	2				E		E					E		E					
P-05	Environmental Laws, Contracts and	3				E		E		D			E		E					
P-06	Environmental Pollution (Air and So	3				E		E					E		E					
P-07	Ecology & Environmental Impact As	3				E		E					E		E					
P-08	Solid Waste Management	2				E		E					E		E					
P-09	Sanitary Chemistry	2	E																	
L-09	Sanitary Chemistry Lab	1		E																
P-10	Water Supply Engineering	3				E		E					E		E					
P-11	Microbiology & Parasitology	3				E		E					E		E					
L-11	Microbiology & Parasitology Lab	1		D																
P-12	Advanced Water Purification Proce	3				E		E					E		E					
P-13	Industrial Waste Water Treatment	2				E		E					E		E					
P-14	Sewerage and Drainage Engineerin	3				E		E					E		E					
P-15	Planning and Design in Environmen	1				E		E					E		E					
L-15	Planning and Design in Environmen	1			E															
L-16	Sanitary Engineering OIT/Practicum	1					D													
P-17	Organic Chemistry	3																		
L-18	Environmental and Sanitary Engine	1		E	E			E					E		E					
P-19	Fluid Mechanics	3																		
L-19	Fluid Mechanics Lab	1		E																
P-20	Hydraulics	3																		
L-20	Hydraulics Lab	1		E																
P-21	Hydrology	3				E		E					E		E					
P-22	ESE Project Study	1						E				D		E						
L-22	ESE Project Study Lab	2				D							D					D		
P-23	Building Design 1	1						E					E							
L-23	Building Design 1 Lab	1			E															
P-24	Water Resource Planning	3				E		E					E		E					
P-25	Engineering Estimates & Building L	3				E		E					E		E					
P-26	Risk and Benefit Analysis in Environ	1				E		E					E		E					
P-27	Advanced Wastewater Treatment	2				E		E					E		E					
P-28	Computer Aided Drafting & Design	1				E		E		I			E		E		I			

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	Logic	3					I													
N-02	Values Education and Ethics	3																		
N-03	Philippine History, Government a	3																		
N-04	General Psychology	3																		
N-05	Society & Culture with Family Planr	3																		
N-06	Philippine Literature in English	3																		
N-07	Basic Economy with TAR	3																		
N-08	Communication Skills 1	3																		
N-09	Communication Skills 2	3																		
N-10	Technical Writing w/Introduction 1	3																		
N-11	Komunikasyon sa Akademikong Fili	3																		
N-12	Pagbasa at Pagsulat Tungo sa Pana	3																		
N-13	Life, Works and Writings of Rizal	3																		
N-14	P.E. Elective 1	2																		
N-15	P.E. Elective 2	2																		
N-16	P.E. Elective 3	2																		
N-17	P.E. Elective 4	2																		
N-18	National Service Training Program	3																		
N-19	National Service Training Program	3																		
N-20	Public Speaking	3																		

Code	Institutional Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
I-01	Social Orientation	1																		
I-02	Professional English	3																		
I-03	CE Laws, Contracts, Specifications &	3						E					E		E					
I-04	Correlation Course	1	D				D		D											

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