

BS CE 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			I		I	I	I									
M-02	Advance Algebra	3	I	I			I		I	I	I		I							
M-03	Plane and Spherical Trigonometry	3	I	I			I		I	I	I		I							
M-04	Analytic Geometry	4	I	I			I		I	I	I		I							
M-05	Solid Mensuration	2	I	I			I		I	I	I		I							
M-06	Differential Calculus	5	E	I	I		I		I	I	I		I							
M-07	Integral Calculus	5	E	I	I		I		I	I	I		I							
M-08	Differential Equations	3	E	I	I		I		I	I	I		I							
M-09	Probability and Statistics	3	E	E	I		I		I	I	I		I	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 and Inorganic Chemistry 1	3	I				I		I	I			I							
L-01	General and Inorganic Chemistry 1-Lab	1	I	I		I	I		I	I			I							
S-02	General and Inorganic Chemistry 2	3	I	I			I		I	I			I							
S-03	Engineering Physics 1	3	I				I		I	I	I									
L-03	Engineering Physics-Lab	1	I	I		I	I		I	I	I									
S-04	Engineering Physics 2	3	I				I		I	I	I									
L-04	Engineering Physics-Lab	1	I	I		I	I		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	I						I		I							
E-02	Engineering Drawing 2	1	I	I	I						I		I							
E-03	Computer Fundamentals (two)	1	I	I			I				I		I	I						
E-04	Advanced Computer Programming	1	I	I			I				I		I							
E-05	Computer Aided Drafting and Design	1	I		I					I	I	I		E						
E-06	Advanced Computer Aided Drafting and Design for CE	1	I		I					I	I	I		E						
E-07	Engg Mechanics 1 - Statics of Rigid Bodies	3	E	I	I		E		I	I	I		I							
E-08	Engg Mechanics 2 - Dynamics of Rigid Bodies	2	E	I	I		E		I	I	I		I							
E-09	Strength of Materials	5	E	I	I		E		I	I	I		I							
E-10	Engineering Economy	3	E	E	I		E		I	I	I			I						
E-11	Engineering Management	3			I		I	I	I	I	I		I							
E-12	Environmental Engineering	3	I		I		I	I	I	I	I		I	I						
E-13	Safety Engineering	1			I		I	I	I	I	I		I	I						

Code	Allied Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
A-01	Thermodynamics	3	I	I	I		E		I	I	I		I	I						
A-02	Electrical Circuits	3	I	I	I		E		I	I	I		I	I						

Code	Professional Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
P-01	Surveying 1 (Elem. & Higher Surveying)/Lab	4	E	E	I	E	I	I	E	E	I	I	E	I						
P-02	Surveying 2 (Engineering Surveys)/Lab	4	E	E	I	E	I	I	E	E	I	I	E	E						
P-03	CE Project Study	3	D	D	D	E	D	E	D	E	E	E	E	E						
P-04	Building Design 1/Lab	2	I	I	E				E	I	I		I	I						
P-05	Building Design 2/Lab	2	I	I	E				E	I	I		I	I						
P-06	Advanced Engineering Math for CE	3	E	I	I		I				I			E						
P-07	Soil and Rock Mechanics 1/Lab	4	E	E	I	E	E	I	E	E	I	I	E	E						
P-08	Soil Mechanics 2/Lab	4	E	E	I	E	E	I	E	E	I	I	E	I						
P-09	Geotechnical and Foundation Engineering/Lab	4	D	E	I	E	E	I	E	E	I	I	E	I						
P-10	Theory of Structures 1/Lab	4	E	E	I	I	E	I	I	I	I		I	E	I					
P-11	Structural Theory 2/Lab	4	E	E	I	I	E	I	I	I	I		I	E	I					
P-12	Structural Design 1 (RC1)/Lab	4	E	E	I	I	E	I	I	I	I		I	E	I					
P-13	Structural Design 2 (RC2)/Lab	4	D	E	I	I	E	I	I	I	I		I	E	I					
P-14	Steel and Timber Design/Lab	5	E	E	I	I	E	I	I	I	I		E	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
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

