

BSECE 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	3	I				I													
M-03	Plane & Spherical Trigonometry	3	I				I													
M-04	Analytic Geometry	4	I				I													
M-05	Solid Mensuration	2	I				I													
M-06	Differential Calculus	5	I				I													
M-07	Integral Calculus	5	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	n	o	p	q	r
S-01	General Inorganic Chemistry 1	3	I				I													
L-01	General Inorganic Chemistry 1 Laboratory	1	I	E		I	I													
S-02	General Inorganic Chemistry 2	3	I				I													
S-03	Engineering Physics 1	3	I				I													
L-03	Engineering Physics 1 Laboratory	1	I	E		I	I													
S-04	Engineering Physics 2	3	I				I													
L-04	Engineering Physics 2 Laboratory	1	I	E		I	E													

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	I				I													
E-02	Computer Fundamentals	1	I		I		I													
E-03	Computer-Aided Drafting	1	I		I		I				I		I							
E-04	Statics of Rigid Bodies	3	I				E													
E-05	Dynamics of Rigid Bodies	2	I				E													
E-06	Mechanics of Deformable Bodies	3	I				E													
E-07	Engineering Economy	3	I				E													
E-08	Engineering Management	3	I				E													
E-09	Environmental Engineering	2	I				E					E								
E-10	Safety Management	1	I				E			E		E								
E-11	Assembly Programming	1	I		I		I				I		I							
E-12	C-Language	1	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	Discrete Mathematics	3	E				E													
A-02	Thermodynamics	3	E				E													
A-03	Fundamentals of Materials Science and Engineering	3	E				E					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	Advanced Engineering Mathematics for ECE	3	E				E													
P-02	Numerical Methods	4	E				E													
P-03	ECE Laws Contract and Ethics	3						E			E	E								
P-04	Circuits 1	4		E			E													
P-05	Circuits 2	4		E			E													
P-06	Electronic Devices and Circuits	4		E			E													
P-07	Electronic Circuit Analysis and Design	4		E			E													
P-08	Electronics 3	4		E			E													
P-09	Industrial Electronics	4			D		E													
P-10	Electromagnetics	3	E				E													
P-11	Signals, Spectra, and Signal Processing	4		E			E				E									
P-12	Principles of Communications	4		E	E		E													
P-13	Energy Conversion	4		E			E													
P-14	Digital Communications	4		E			E													
P-15	Logic Circuits and Switching Theory	4		E	E						E									
P-16	Electronics 4	3		E	E						E		E							
P-17	Medical and Biomedical Electronics	2					E				E	E	E							
P-18	Microprocessor Systems	4			D		E				E		E							

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

