

Curriculum Map (IQ-11)

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 1	3	I	I	I		I		I		I	I								
M-02	College Algebra 2	2	I	I	I		I		I		I	I								
M-03	Plane & Spherical Trigonometry	3	I		I	I					I	I								
M-04	Analytic Geometry	3	I	I	I		I		I		I	I								
M-05	Solid Mensuration	2	I		I		I				I	I		I						
M-06	Differential Calculus	4	E	E			E		E		E	E	E	E	E					
M-07	Integral Calculus	4	E		E	E				E										
M-08	Differential Equations	3	E	E	E		E		E		E	E								
M-09	Probability & Statistics	3	E	E			E						E							

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 Lecture	2	I	I	I		I		I		I	I								
L-01	General Chemistry Laboratory	1	I	D	I		I													
S-02	Physics 1 Lecture	4	I	I	I		I		I		I	I								
L-02	Physics 1 Laboratory	1	D	D	D									D						
S-03	Physics 2 Lecture	4	I	I	I		I		I		I	I								
L-03	Physics 2 Laboratory	1	D	D	D									D						

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	I	I	I	I	I	I	I	I	I	I	I	I						
E-02	Architectural Drawing	1	I	I	I		I		I		I	I								
E-03	Basic Computer-Aided Drawing	1	I	I	I		I		I		I	I								
E-04	and Applications	1	I	I	I		I		I		I	I								
E-05	Programming	2	I	I	I		I		I		I	I								
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	E		E									
E-09	Engineering Economy	3	E	E	E	E	E	E	E	E	E	E	E	E	E					
E-10	Environmental Engineering and Safety Management	3	E				E	E	E		E									
E-11	Engineering Management	3	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	Fundamentals of Materials Science and Engineering	3	I	E	E	E														
A-02	Discrete Mathematics	3	I	D	D	D	D													
A-03	Thermodynamics	3	I			D														

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	3	E				E		E											
P-02	Circuits 1 Lecture	3	E				E						E							
L-01	Circuits 1 Laboratory	1	D	D		D	D						D							
P-03	Circuits 2 Lecture	3	E				E						E							
L-02	Circuits 2 Laboratory	1	D	D		D	D						D							
P-04	Electronic Devices and Circuits Lecture	3	E	E	E		E				E		E							
L-03	Electronic Devices and Circuits Laboratory	1	D	D	D		D				D		D							
P-05	Electronics Circuits Analysis and Design Lecture	3	D	D	D		D				D		D							
L-04	Electronics Circuits Analysis and Design Laboratory	1	D	D	D		D				D		D							
P-06	Vector Analysis	3	E				E						E							
P-07	Electromagnetics	3	E				E						E							
P-08	Signals, Spectra and Signal Processing Lecture	3	E			E	E		E		E		E							
L-05	Signals, Spectra and Signal Processing Laboratory	1	D	D		D	D		D		E		D							
P-09	Industrial and Power Electronics	3	I		D	D	D													
L-06	Industrial and Power Electronics Labor	1	I	D	D	E	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

When and Where Last Published

I-04	Send to be Evangelizers	3											D						
I-05	Personality Development and Public Re	1								D									
	Information and Communications													E					
I-06	Technology 1	1	E				E												
	Information and Communications													E					
I-07	Technology 2	1	E				E												
	Information and Communications													E					
I-08	Technology 3	1	E				E												
I-09	Speical Topics and Issues in ECE	1	D	D			D		D		D	D	D						
I-11	Pulse Switching / Microelectronics Lec	3	D	D	D		D		D	D		D							
	Pulse Switching / Microelectronics													D					
I-12	Laboratory	1	D	D	D		D					D		D					
I-13	Navigational, Broadcasting and Acoustics Engineering	3		D	D														
I-14	Wired and Wireless Communication Networks, Analysis and Design	4		D	D	I	D	E		D		E			D				
I-15	Computer-Aided Circuit Analysis and D	1	E				E							E					