

COURSE FEE

FACULTY OF SCIENCE

Advanced Certificate in Information Technology

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE/CP	FEE	
1	1	CPT105	Computer Concepts and PC Applications	Nil	15	3	83	1,245	
		ENG055	English for Further Studies and Study Skills 1	Nil	12	2	58	696	
		CPT023	Fundamentals of Programming	Nil	15	3	83	1,245	
		MAT033	Mathematics	Nil	15	3	83	1,245	
	Semester Total								4,431
	2	BIS101	Information Systems	CPT105	15	3	83	1,245	
		CPT113	Multimedia Technology	Nil	15	3	83	1,245	
		CPT103	Applications Development	CPT105	15	3	83	1,245	
		MGT013	Introduction to Management	Nil	15	4	88	1,320	
	Semester Total								5,055
Total number of credits					117	Course Total		9,486	

Bachelor of Computer Science

Yr	Sem	Subject Code	Subject name	Pre-requisites	Credit Points	Fee Band	Fee /CP	FEE	
1	1	DHI113	Dhivehi for Professionals	Nil	15	3	83	1,245	
		CPT111	Introduction to Programming	Nil	15	3	83	1,245	
		MAT129	Pure Mathematics	Nil	15	3	83	1,245	
		PHY101	Physics: Mechanics, waves and electrodynamics	Nil	15	3	83	1,245	
	Semester Total								4,980
	2	CPT147	Database Management System	Nil	15	3	83	1,245	
		MAT103	Discrete Mathematics	Nil	15	3	83	1,245	
		CPT149	Introduction to Networking	Nil	15	3	83	1,245	
		MAT133	Probability and Statistics	Nil	15	3	83	1,245	
	Semester Total								4,980
2	3	CPT203	Data Structures and Algorithms	MAT103	15	3	83	1,245	
		CPT205	Object Oriented Programming	CPT111	15	3	83	1,245	
		CPT239	Operating Systems	CPT111	15	3	83	1,245	
		PHY205	Digital Circuits	Nil	15	3	83	1,245	
	Semester Total								4,980
	4	CPT241	Advanced Data Structures & Algorithm Analysis	CPT203	15	3	83	1,245	
		CPT229	Advanced Networking	CPT149	15	3	83	1,245	
		CPT243	Computer Organization & Architecture	CPT111	15	3	83	1,245	
		CPT245	Software Engineering	CPT111	15	3	83	1,245	
	Semester Total								4,980
		CPT313	Advanced Database Management System	CPT147	15	3	83	1,245	

3	5	CPT303	Multimedia Technology and Applications	Nil	15	3	83	1,245
		CPT315	Web Technology	CPT111	15	3	83	1,245
		CPT311	Applied IT Project	Completion of 120 credits	15	3	83	1,245
		Semester Total						
	6	CPT317	Artificial Intelligence	CPT241	15	3	83	1,245
		CPT311	Applied IT Project (continue)	Nil	15	3	83	1,245
			Electives	Nil	15	3	83	1,245
			Electives	Nil	15	3	83	1,245
	Semester Total							4,980
	Total number of credits					360	Course Total	

List of Electives (Choose 2 from the list below)

#	Subject Code	Subject name	Pre-requisites	Credit Points	Fee Band	Fee/CP	FEE
1	CPT319	Mobile Applications	CPT11	15	3	83	1,245
2	CPT321	Sensor Networking & Applications	CPT229	15	3	83	1,245
3	CPT323	Programming Language	CPT111, CPT203, CPT241	15	3	83	1,245
4	CPT325	Software Testing	CPT111	15	3	83	1,245
5	CPT327	Human Computer Interaction	Nil	15	3	83	1,245
6	CPT329	Image Processing	CPT111	15	3	83	1,245
7	CPT331	Automata Theory	CPT111, CPT203, CPT241	15	3	83	1,245
8	CPT333	Cryptography & Networking Security	MAT129	15	3	83	1,245
9	CPT335	Distributed Computing	MAT103, CPT229	15	3	83	1,245
10	ENV215	Geographic Information System (GIS)	Nil	15	3	83	1,245

Bachelor in Information Technology

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE/CP	FEE
1	1	MAT103	Discrete Mathematics	Nil	15	3	83	1,245
		CPT111	Introduction to Programming	Nil	15	3	83	1,245
		CPT223	System Analysis and Design	Nil	15	3	83	1,245
		CPT211	Database Systems	Nil	15	3	83	1,245
	Semester Total							4,980
	2	CPT129	ICT for Development	Nil	15	3	83	1,245
		CPT107	Data Communications and Networking	Nil	15	3	83	1,245
		CPT117	Visual Basic Programming	CPT111	15	3	83	1,245
		CPT221	Information Technology Project	CPT211, CPT223	15	3	83	1,245
	Semester Total							4,980
3	CPT203	Data Structures and Algorithms	CPT111, MAT103	15	3	83	1,245	
	BUS103	Business Communications	Nil	15	4	88	1,320	
	CPT227	Introduction to Operating Systems	Nil	15	3	83	1,245	
	Options (Choose one subject from the list)							
	STA117	Business Mathematics	Nil	15	3	83	1,245	

2	MGT115	Management and Organizations	Nil	15	4	88	1,320	
	Semester Total						5,055-5,130	
4	CPT205	Object Oriented Programming	CPT111	15	3	83	1,245	
	CPT229	Advanced Networking and Telecommunications	CPT107	15	3	83	1,245	
	CPT231	Helpdesk and Service Provision	Nil	15	3	83	1,245	
	MGT215	Project Management	Nil	15	4	88	1,320	
	Semester Total						5,055	
3	CPT301	Internet technology	Nil	15	3	83	1,245	
	CPT305	Data and Process Modelling	CPT205	15	3	83	1,245	
	CPT307	Logical Database Design	CPT211	15	3	83	1,245	
	MGT307	IT Management	Nil	15	4	88	1,320	
	Semester Total						5,055	
	6	CPT303	Multimedia Technology and Applications	Nil	15	3	83	1,245
		CPT309	Physical Database Design	CPT211	15	3	83	1,245
		CPT311	Applied IT Project	Nil	30	3	83	2,490
		Semester Total						4,980
	Total number of credits				375	Course Total		30,105-30,180

Bachelor of Science (Biology)

Year	Smstr	Subject Code	Subject name	Pre-requisites	Credit Points	Fee Band	Fee/CP	FEE
1	1	SCI107	Scientific and Analytical Skills	NIL	15	3	83	1,245
		MAT131	Mathematics for Scientists	NIL	15	3	83	1,245
		BIO121	Biology of Cell and Organism	NIL	15	3	83	1,245
		PHY113	Principles of Physics	NIL	15	3	83	1,245
	Semester Total						4,980	
	2	CHE109	Inorganic and Physical Chemistry I	NIL	15	3	83	1,245
		CHE111	Organic Chemistry I	NIL	15	3	83	1,245
		BIO123	Life on Earth	NIL	15	3	83	1,245
		BIO115	Thermodynamics and Modern Physics	NIL	15	3	83	1,245
	Semester Total						4,980	
Exit with a Diploma in Science					120			9,960
2	3	SCI205	Research Methods and Experimental Design	NIL	15	3	83	1,245
		CHE207	Instrumental Analysis	SCI107	15	3	83	1,245
		BIO219	Biochemistry & Molecular Biology	BIO121	15	3	83	1,245
		PHY221	Human Anatomy, Physiology & Pharmacology	BIO121	15	3	83	1,245
	Semester Total						4,980	
	4	ENV219	Ecology and Environmental Systems	NIL	15	3	83	1,245
		BIO223	Marine Biology	NIL	15	3	83	1,245
		BIO225	Microbiology	NIL	15	3	83	1,245
		BIO2XX	Human Health & Disease	BIO121	15	3	83	1,245
	Semester Total						4,980	
Exit with an Advanced Diploma in Science					240			19,920
3	5	SCI319	Science Communication	Nil	15	3	83	1,245
		SCI321	Research Project	SCI205	15	3	83	1,245
			Choose from list below		15	3	83	1,245
			Choose from list below		15	3	83	1,245
	Semester Total						4,980	
	3	SCI323	Science and Society	Nil	15	3	83	1,245
		SC!321	Research Project (continuing)		15	3	83	1,245

6	Choose from list below	15	3	83	1,245
	Choose from list below	15	3	83	1,245
Semester Total					4,980
Total number of credits		480	Course Total		29,880

LIST OF ELECTIVES

Select 4 electives, maximum 2 subjects of 200 level can be selected

#	Subject Code	Subject name	Pre-requisite	Credit Points	Fee Band	Fee/CP	FEE
1	BIO219	Biochemistry and Molecular Biology	BIO121	15	3	83	1,245
2	BIO221	Human Anatomy, Physiology and Pharmacology	BIO121	15	3	83	1,245
3	ENV219	Ecology and Environmental Systems	Nil	15	3	83	1,245
4	BIO223	Marine Biology	Nil	15	3	83	1,245
5	BIO225	Microbiology	Nil	15	3	83	1,245
6	BIO2XX	Human Health and Disease	BIO121	15	3	83	1,245
7	BIO303	Concepts of Forensic Biology	BIO121	15	3	83	1,245
8	BIO305	Applied Ecology	Nil	15	3	83	1,245
9	BIO307	Marine Ecosystems	Nil	15	3	83	1,245
10	BIO309	Biodiversity and Conservation	Nil	15	3	83	1,245
11	BIO3XX	Resource Security and Sustainability	Nil	15	3	83	1,245
12	BIO311	Food and Environmental Microbiology	BIO225	15	3	83	1,245
13	BIO313	Applied Molecular Biology and Bioinformatics	BIO219	15	3	83	1,245
14	BIO3XX	Infectious Disease Control	BIO225	15	3	83	1,245
15	BIO3XX	Health Promotion and Public Health	Nil	15	3	83	1,245
16	BIO3XX	Concepts in Forensic Biology	BIO121	15	3	83	1,245
17	BIO315	Blood and Tissue Science	BIO221	15	3	83	1,245
18	BIO317	Pharmacology and Toxicology	BIO221	15	3	83	1,245
19	CHE207	Instrumental Analysis	SCI107	15	3	83	1,245
20	CHE209	Organic Chemistry II	CHE111	15	3	83	1,245
21	CHE211	Environmental Chemistry	Nil	15	3	83	1,245
22	CHE213	Fundamentals of Analytical Chemistry	Nil	15	3	83	1,245
23	CHE219	Material Science	Nil	15	3	83	1,245
24	CHE215	Medicinal Chemistry	CHE111	15	3	83	1,245
25	CHE217	Inorganic and Physical Chemistry II	CHE109	15	3	83	1,245
26	CHE301	Plant and Soil Science	Nil	15	3	83	1,245
27	CHE303	Forensic Chemistry	CHE207	15	3	83	1,245
28	CHE305	Food Chemistry and Analysis		15	3	83	1,245
29	CHE307	Analytical Chemistry		15	3	83	1,245
30	PHY2XX	Green Buildings and Sustainability	Nil	15	3	83	1,245
31	PHY2XX	Earth System Science	Nil	15	3	83	1,245
32	PHY2XX	Electrical Technology	PHY113	15	3	83	1,245
33	PHY2XX	Electronics and Electrical Principals	Nil	15	3	83	1,245
34	PHY2XX	Power Generation	Nil	15	3	83	1,245
35	PHY207	Quantum Physics	PHY115	15	3	83	1,245
36	PHY301	Simulations	Nil	15	3	83	1,245
37	PHY303	Atmosphere and Oceans	PHY2XX	15	3	83	1,245
38	PHY305	Medical Physics	PHY113	15	3	83	1,245

39	PHY3XX	Electronics	PHY2XX	15	3	83	1,245
40	PHY3XX	Mechatronics	PHY113	15	3	83	1,245
41	PHY3XX	Telecommunication Systems	PHY113	15	3	83	1,245
42	PHY307	Renewable Energy	Nil	15	3	83	1,245
43	PHY3XX	Digital Circuits	Nil	15	3	83	1,245
44	ENV319	Earth System Science	Nil	15	3	83	1,245
45	ENV321	Fisheries Management and Agriculture	Nil	15	3	83	1,245
46	ENV323	Pollution Prevention and Control	Nil	15	3	83	1,245
47	ENV325	Meteorology	Nil	15	3	83	1,245
48	ENV221	Geographic Information System (GIS) and Remote Sensing	Nil	15	3	83	1,245

Bachelor of Science (Chemistry)

Yr	Sem	Subject Code	Subject name	Pre-requisites	Credit Points	Fee Band	Fee/CP	FEE
1	1	SCI107	Scientific and Analytical Skills	NIL	15	3	83	1,245
		MAT131	Mathematics for Scientists	NIL	15	3	83	1,245
		BIO121	Biology of Cell and Organism	NIL	15	3	83	1,245
		PHY113	Principles of Physics	NIL	15	3	83	1,245
	Semester Total							4,980
	2	CHE109	Inorganic and Physical Chemistry I	NIL	15	3	83	1,245
		CHE111	Organic Chemistry I	NIL	15	3	83	1,245
		BIO123	Life on Earth	NIL	15	3	83	1,245
		BIO115	Thermodynamics and Modern Physics	NIL	15	3	83	1,245
	Semester Total							4,980
Exit with a Diploma in Science					120			9,960
2	3	SCI205	Research Methods and Experimental Design	NIL	15	3	83	1,245
		CHE207	Instrumental Analysis	SCI107	15	3	83	1,245
		CHE209	Organic Chemistry II	CHE111	15	3	83	1,245
		CHE211	Environmental Chemistry	NIL	15	3	83	1,245
	Semester Total							4,980
	4	CHE213	Fundamentals of Analytic Chemistry	NIL	15	3	83	1,245
		CHE219	Material Science	NIL	15	3	83	1,245
		CHE215	Medicinal Chemistry	CHE209	15	3	83	1,245
		CHE217	Inorganic and Physical Chemistry II	CHE109	15	3	83	1,245
	Semester Total							4,980
Exit with an Advanced Diploma in Science					240			19,920
3	5	SCI319	Science Communication	Nil	15	3	83	1,245
		SCI321	Research Project	SCI205	15	3	83	1,245
			Choose from list below	Nil	15	3	83	1,245
			Choose from list below	Nil	15	3	83	1,245
	Semester Total							4,980
	6	SCI323	Science and Society	Nil	15	3	83	1,245
		SCI321	Research Project (continuing)	Nil	15	3	83	1,245
			Choose from list below	Nil	15	3	83	1,245
			Choose from list below	Nil	15	3	83	1,245
	Semester Total							4,980
Total number of credits					480	Course Total		29,880

LIST OF ELECTIVES

Select 4 electives, maximum 2 subjects of 200 level can be selected

#	Subject Code	Subject name	Pre-requisite	Credit Points	Fee Band	Fee/CP	FEE
1	BIO219	Biochemistry and Molecular Biology	BIO121	15	3	83	1,245
2	BIO221	Human Anatomy, Physiology and Pharmacology	BIO121	15	3	83	1,245
3	ENV219	Ecology and Environmental Systems	Nil	15	3	83	1,245
4	BIO223	Marine Biology	Nil	15	3	83	1,245
5	BIO225	Microbiology	Nil	15	3	83	1,245
6	BIO2XX	Human Health and Disease	BIO121	15	3	83	1,245
7	BIO303	Concepts of Forensic Biology	BIO121	15	3	83	1,245
8	BIO305	Applied Ecology	Nil	15	3	83	1,245
9	BIO307	Marine Ecosystems	Nil	15	3	83	1,245
10	BIO309	Biodiversity and Conservation	Nil	15	3	83	1,245
11	BIO3XX	Resource Security and Sustainability	Nil	15	3	83	1,245
12	BIO311	Food and Environmental Microbiology	BIO225	15	3	83	1,245
13	BIO313	Applied Molecular Biology and Bioinformatics	BIO219	15	3	83	1,245
14	BIO3XX	Infectious Disease Control	BIO225	15	3	83	1,245
15	BIO3XX	Health Promotion and Public Health	Nil	15	3	83	1,245
16	BIO3XX	Concepts in Forensic Biology	BIO121	15	3	83	1,245
17	BIO315	Blood and Tissue Science	BIO221	15	3	83	1,245
18	BIO317	Pharmacology and Toxicology	BIO221	15	3	83	1,245
19	CHE207	Instrumental Analysis	SCI107	15	3	83	1,245
20	CHE209	Organic Chemistry II	CHE111	15	3	83	1,245
21	CHE211	Environmental Chemistry	Nil	15	3	83	1,245
22	CHE213	Fundamentals of Analytical Chemistry	Nil	15	3	83	1,245
23	CHE219	Material Science	Nil	15	3	83	1,245
24	CHE215	Medicinal Chemistry	CHE111	15	3	83	1,245
25	CHE217	Inorganic and Physical Chemistry II	CHE109	15	3	83	1,245
26	CHE301	Plant and Soil Science	NIL	15	3	83	1,245
27	CHE303	Forensic Chemistry	CHE207	15	3	83	1,245
28	CHE305	Food Chemistry and Analysis		15	3	83	1,245
29	CHE307	Analytical Chemistry		15	3	83	1,245
30	PHY2XX	Green Buildings and Sustainability	Nil	15	3	83	1,245
31	PHY2XX	Earth System Science	Nil	15	3	83	1,245
32	PHY2XX	Electrical Technology	PHY113	15	3	83	1,245
33	PHY2XX	Electronics and Electrical Principals	Nil	15	3	83	1,245
34	PHY2XX	Power Generation	Nil	15	3	83	1,245
35	PHY207	Quantum Physics	PHY115	15	3	83	1,245
36	PHY301	Simulations	Nil	15	3	83	1,245
37	PHY303	Atmosphere and Oceans	PHY2XX	15	3	83	1,245
38	PHY305	Medical Physics	PHY113	15	3	83	1,245
39	PHY3XX	Electronics	PHY2XX	15	3	83	1,245
40	PHY3XX	Mechatronics	PHY113	15	3	83	1,245
41	PHY3XX	Telecommunication Systems	PHY113	15	3	83	1,245
42	PHY307	Renewable Energy	Nil	15	3	83	1,245
43	PHY3XX	Digital Circuits	Nil	15	3	83	1,245
44	ENV319	Earth System Science	Nil	15	3	83	1,245

45	ENV321	Fisheries Management and Agriculture	Nil	15	3	83	1,245
46	ENV323	Pollution Prevention and Control	Nil	15	3	83	1,245
47	ENV325	Meteorology	Nil	15	3	83	1,245
48	ENV221	Geographic Information System (GIS) and Remote Sensing	Nil	15	3	83	1,245

Bachelor of Science (Physics)

Yr	Smstr	Subject Code	Subject Name	Pre-requisites	Credit Points	Fee Band	Fee/CP	FEE
1	1	SCI107	Scientific and Analytical Skills	Nil	15	3	83	1,245
		MAT131	Mathematics for Scientists	Nil	15	3	83	1,245
		CHE121	Organic chemistry I	Nil	15	3	83	1,245
		BIO113	Diversity of Life	Nil	15	3	83	1,245
	Semester Total							4,980
	2	CHE109	Inorganic and Physical Chemistry I	Nil	15	3	83	1,245
		BIO111	Human Physiology and Biochemistry	Nil	15	3	83	1,245
		PHY123	Fundamentals of physics	Nil	15	3	83	1,245
		PHY115	Thermodynamics and Modern Physics	Nil	15	3	83	1,245
	Semester Total							4,980
Exit with a Diploma in Science					120			9,960
2	3	SCI205	Research Methods and Experimental Design	Nil	15	3	83	1,245
		MAT213	Mathematics for Physicist	MAT131	15	3	83	1,245
		ENV219	Green Buildings and Sustainability	Nil	15	3	83	1,245
		ENV221	Earth System Science	Nil	15	3	83	1,245
	Semester Total							4,980
	4	PHY2XX	Electrical Technology	PHY113	15	3	83	1,245
		PHY2XX	Electronics and Electrical Principles	Nil	15	3	83	1,245
		PHY2XX	Power Generation	Nil	15	3	83	1,245
		PHY207	Quantum Physics	PHY115	15	3	83	1,245
	Semester Total							4,980
Exit with an Advanced Diploma in Science					240			19,920
3	5	SCI319	Science Communication	Nil	15	3	83	1,245
		SCI321	Research Project	SCI205	15	3	83	1,245
			Choose from list below	Nil	15	3	83	1,245
			Choose from list below	Nil	15	3	83	1,245
	Semester Total							4,980
	6	SCI323	Science and Society	Nil	15	3	83	1,245
		SC!321	Research Project (continuing)	Nil	15	3	83	1,245
			Choose from list below	Nil	15	3	83	1,245
			Choose from list below	Nil	15	3	83	1,245
	Semester Total							4,980
Total number of credits					480	Course Total		29,880

LIST OF ELECTIVES

Select 4 electives, maximum 2 subjects of 200 level can be selected

#	Subject Code	Subject name	Pre-requisite	Credit Points	Fee Band	Fee/CP	FEE
1	BIO219	Biochemistry and Molecular Biology	BIO121	15	3	83	1,245
2	BIO221	Human Anatomy, Physiology and Pharmacology	BIO121	15	3	83	1,245

3	ENV219	Ecology and Environmental Systems	Nil	15	3	83	1,245
4	BIO223	Marine Biology	Nil	15	3	83	1,245
5	BIO225	Microbiology	Nil	15	3	83	1,245
6	BIO2XX	Human Health and Disease	BIO121	15	3	83	1,245
7	BIO303	Concepts of Forensic Biology	BIO121	15	3	83	1,245
8	BIO305	Applied Ecology	Nil	15	3	83	1,245
9	BIO307	Marine Ecosystems	Nil	15	3	83	1,245
10	BIO309	Biodiversity and Conservation	Nil	15	3	83	1,245
11	BIO3XX	Resource Security and Sustainability	Nil	15	3	83	1,245
12	BIO311	Food and Environmental Microbiology	BIO225	15	3	83	1,245
13	BIO313	Applied Molecular Biology and Bioinformatics	BIO219	15	3	83	1,245
14	BIO3XX	Infectious Disease Control	BIO225	15	3	83	1,245
15	BIO3XX	Health Promotion and Public Health	Nil	15	3	83	1,245
16	BIO3XX	Concepts in Forensic Biology	BIO121	15	3	83	1,245
17	BIO315	Blood and Tissue Science	BIO221	15	3	83	1,245
18	BIO317	Pharmacology and Toxicology	BIO221	15	3	83	1,245
19	CHE207	Instrumental Analysis	SCI107	15	3	83	1,245
20	CHE209	Organic Chemistry II	CHE111	15	3	83	1,245
21	CHE211	Environmental Chemistry	Nil	15	3	83	1,245
22	CHE213	Fundamentals of Analytical Chemistry	Nil	15	3	83	1,245
23	CHE219	Material Science	Nil	15	3	83	1,245
24	CHE215	Medicinal Chemistry	CHE111	15	3	83	1,245
25	CHE217	Inorganic and Physical Chemistry II	CHE109	15	3	83	1,245
26	CHE301	Plant and Soil Science	Nil	15	3	83	1,245
27	CHE303	Forensic Chemistry	CHE207	15	3	83	1,245
28	CHE305	Food Chemistry and Analysis	Nil	15	3	83	1,245
29	CHE307	Analytical Chemistry	Nil	15	3	83	1,245
30	PHY2XX	Green Buildings and Sustainability	Nil	15	3	83	1,245
31	PHY2XX	Earth System Science	Nil	15	3	83	1,245
32	PHY2XX	Electrical Technology	PHY113	15	3	83	1,245
33	PHY2XX	Electronics and Electrical Principals	Nil	15	3	83	1,245
34	PHY2XX	Power Generation	Nil	15	3	83	1,245
35	PHY207	Quantum Physics	PHY115	15	3	83	1,245
36	PHY301	Simulations	Nil	15	3	83	1,245
37	PHY303	Atmosphere and Oceans	PHY2XX	15	3	83	1,245
38	PHY305	Medical Physics	PHY113	15	3	83	1,245
39	PHY3XX	Electronics	PHY2XX	15	3	83	1,245
40	PHY3XX	Mechatronics	PHY113	15	3	83	1,245
41	PHY3XX	Telecommunication Systems	PHY113	15	3	83	1,245
42	PHY307	Renewable Energy	Nil	15	3	83	1,245
43	PHY3XX	Digital Circuits	Nil	15	3	83	1,245
44	ENV319	Earth System Science	Nil	15	3	83	1,245
45	ENV321	Fisheries Management and Agriculture	Nil	15	3	83	1,245
46	ENV323	Pollution Prevention and Control	Nil	15	3	83	1,245
47	ENV325	Meteorology	Nil	15	3	83	1,245
48	ENV221	Geographic Information System (GIS) and Remote Sensing	Nil	15	3	83	1,245

Certificate III in Water Quality Laboratory Procedures

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE/CP	FEE
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1	1	BES001	RWH Technology & Equipment Operations & Maintenance	Nil	6	3	83	498
		BES003	Desalination Technology & Equipment Operations & Maintenance	Nil	18	3	83	1,494
		BES005	Disinfection & Supoport Systems	Nil	6	3	83	498
		BES007	Power Generation Backup Power Operations & Maintenance	Nil	12	3	83	996
		BES009	Water Distribution System Operations & Maintenance	Nil	6	3	83	498
		SCI021	Basic Water Chemistry, Biology & Safety	Nil	12	3	83	996
Total number of credits					60	Course Total		4,980

Diploma in Information Technology (1 year)

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE/CP	FEE
1	1	MAT103	Discrete Mathematics	Nil	15	3	83	1,245
		CPT111	Introduction to Programming	Nil	15	3	83	1,245
		CPT223	System Analysis and Design	Nil	15	3	83	1,245
		CPT211	Database Systems	Nil	15	3	83	1,245
		Semester Total						
	2	CPT129	ICT for Development	Nil	15	3	83	1,245
		CPT107	Data Communications and Networking	Nil	15	3	83	1,245
		CPT117	Visual Basic Programming	CPT111	15	3	83	1,245
		CPT221	Information Technology Project	CPT211, CPT223	15	3	83	1,245
		Semester Total						
Total number of credits					120	Course Total		9,960

Diploma in Networking (Nov 2014)

Year	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE/CP	FEE
1	1	CPT023	Fundamentals of Programming	Nil	15	3	83	1,245
		CPT105	Computer Concepts and PC Applications	Nil	15	3	83	1,245
		ENG059	English for Further Studies	Nil	15	2	58	870
		MAT033	Mathematics	Nil	15	3	83	1,245
		Semester Total						
	2	BIS101	Information Systems	Nil	15	3	83	1,245
		CPT103	Applications Development	Nil	15	3	83	1,245
		CPT113	Multimedia Technology	Nil	15	3	83	1,245
		MGT013	Introduction to Management	Nil	15	4	88	1,320
		Semester Total						
2	3	CPT139	Network Fundamentals	Nil	15	3	83	1,245
		CPT141	Routing Protocols and concepts	Nil	15	3	83	1,245
		CPT211	Database Systems	Nil	15	3	83	1,245
		CPT223	System Analysis and Design	Nil	15	3	83	1,245
		Semester Total						
	4	CPT111	Introduction to Programming	Nil	15	3	83	1,245
		CPT143	LAN switching and Wireless Technologies	Nil	15	3	83	1,245
		CPT145	WAN Technologies	Nil	15	3	83	1,245
CPT221	Information Technology Project	Nil	15	3	83	1,245		

						Semester Total	4,980
Total number of credits				240	Course Total		19,620

Diploma in Mechanical Engineering

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE /CP	FEE
1	1	MAT005	Engineering Mathematics	Nil	10	3	83	830
		PHY003	Engineering Science	Nil	10	3	83	830
		MEC005	Engineering Drawing	Nil	12	3	83	996
		MEC033	Workshop Technology	Nil	12	3	83	996
		GEN003	Study Skills	Nil	6	2	58	348
		CPT001	Introduction to Computing	Nil	10	3	83	830
		Semester Total						
	2	MEC117	CAD Drawing	Nil	10	3	83	830
		MEC103	Engineering science-II	Nil	15	3	83	1,245
		PHY105	Statics	Nil	10	3	83	830
		MEC105	Mechanical systems	Nil	15	3	83	1,245
		MEC107	Workshop practices	Nil	10	3	83	830
		Semester Total						
	2	3	MEC109	Engineering materials	Nil	15	3	83
MEC111			Fluid mechanics	Nil	15	3	83	1,245
MEC119			Fluid power	Nil	15	3	83	1,245
ELE101			Electrical and Electronic fundamentals	Nil	15	3	83	1,245
Semester Total							4,980	
4		MEC113	Refrigeration	Nil	15	3	83	1,245
		ELE129	Power generation and Electric motors	Nil	12	3	83	996
		MEC115	Fluid machinery/pump selection/desalination water supply	Nil	12	3	83	996
		ELE115	Programmable Logic controllers	Nil	15	3	83	1,245
		BES115	Planning, Costing and Estimation	Nil	6	3	83	498
		Semester Total						
Total number of credits				240	Course Total		19,770	

Diploma in Civil Engineering (1.5 Yrs)

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE /CP	FEE
1	1	IXP105	Industrial Experience	Nil	3	3	83	249
		PHY105	Statics	Nil	10	3	83	830
		MGT107	Management 1	Nil	10	4	88	880
		BES109	Drawing and Setting Out	Nil	15	3	83	1,245
		BES101	Building Materials	Nil	12	3	83	996
		BES105	Construction 1	Nil	12	3	83	996
		Semester Total						
	2	IXP107	Industrial Experience	Nil	3	3	83	249
		PHY109	Mechanics of Solids	Nil	10	3	83	830
		MGT207	Management 2	Nil	10	4	88	880
		BES107	Construction2	Nil	12	3	83	996
		BES215	Land Surveying 1	Nil	12	3	83	996
		MAT107	Mathematics	Nil	15	3	83	1,245
		Semester Total						
2	2	IXP207	Industrial Experience	Nil	3	3	83	249
		BES229	Structural Design 1	Nil	20	3	83	1,660
		BES227	Structural Analysis	Nil	12	3	83	996

		PHY101	Physics 1	Nil	15	3	83	1,245
		BES305	Land Surveying 2	Nil	12	3	83	996
		Semester Total						
Total number of credits					186	Course Total		15,538

Diploma in Civil Engineering (2 Yrs)

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE /CP	FEE	
1	1	MAT005	Mathematics I	Nil	10	3	83	830	
		PHY003	Engineering Science	Nil	10	3	83	830	
		MEC005	Engineering Drawing	Nil	12	3	83	996	
		MEC033	Workshop Technology	Nil	12	3	83	996	
		GEN003	Study Skills	Nil	6	2	58	348	
		CPT001	Introduction to Computing	Nil	10	3	83	830	
		Semester Total							4,830
	2	2	IXP105	Industrial Experience	Nil	3	3	83	249
			PHY105	Statics	Nil	10	3	83	830
			MGT107	Management 1	Nil	10	4	88	880
			BES109	Drawing and Setting Out	Nil	15	3	83	1,245
			BES101	Building Materials	Nil	12	3	83	996
			BES105	Construction 1	Nil	12	3	83	996
			Semester Total						
2	3	IXP107	Industrial Experience	Nil	3	3	83	249	
		PHY109	Mechanics of Solids	Nil	10	3	83	830	
		MGT207	Management 2	Nil	10	4	88	880	
		BES107	Construction2	Nil	12	3	83	996	
		BES215	Land Surveying 1	Nil	12	3	83	996	
		MAT107	Mathematics	Nil	15	3	83	1,245	
		Semester Total							5,196
	4	4	IXP207	Industrial Experience	Nil	3	3	83	249
			BES229	Structural Design 1	Nil	20	3	83	1,660
			BES227	Structural Analysis	Nil	12	3	83	996
			PHY101	Physics 1	Nil	15	3	83	1,245
			BES305	Land Surveying 2	Nil	12	3	83	996
			Semester Total						
	Total number of credits					246	Course Total		20,368

C3 Electrotechnical Technology

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE /CP	FEE
1	1	ELE049	Principles of Electrotechnology	Nil	15	3	83	1,245
		ELE051	Applications of Electrical Principles	Nil	15	3	83	1,245
		ELE053	Electrical Installation (Building Structures)	Nil	15	3	83	1,245
		ELE055	Basic Electrical Protection and Safety	Nil	15	3	83	1,245
Total number of credits					60	Course Total		4,980

C3 Welding and Sheet Metal (2013)

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE /CP	FEE
1	1	MEC003	Basic Workshop Technology	Nil	5	3	83	415
		MEC025	Sheet Metal Process	Nil	10	3	83	830
		MEC037	Oxy-acetylene Gas Welding	Nil	20	3	83	1,660
		MEC039	Shielded Metal Arc Welding Process	Nil	25	3	83	2,075
Total number of credits					60	Course Total		4,980

C3 in Engine Repair & Maintenance (2013)

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE /CP	FEE
1	1	MAT025	Basic Mathematics	Nil	5	3	83	415
		MEC001	Basic Engine Technology	Nil	30	3	83	2,490
		MEC003	Basic Workshop Technology	Nil	5	3	83	415
		MEC013	Engine Practice	Nil	15	3	83	1,245
		PHY005	Basic Material Science	Nil	5	3	83	415
Total number of credits					60	Course Total		4,980

Advanced Certificate in Engine Repair & Maintenance

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE /CP	FEE	
1	1	CPT001	Introduction to Computing	Nil	10	3	83	830	
		GEN003	Study Skills	Nil	6	2	58	348	
		MAT005	Engineering Mathematics	Nil	10	3	83	830	
		MEC005	Engineering Drawing	Nil	12	3	83	996	
		MEC033	Workshop Technology	Nil	12	3	83	996	
		PHY003	Engineering Science	Nil	10	3	83	830	
	Semester Total							4,830	
	2	2	CPT005	Computer Assisted Design A	Nil	10	3	83	830
			MEC041	Engineering Science II - Engine Repair	Nil	5	3	83	415
			MEC047	Material Science	Nil	5	3	83	415
			MEC079	Workshop Technology II- Welding, Machining & Fabrication	Nil	10	3	83	830
MEC059			Engine Technology I	Nil	30	3	83	2,490	
Semester Total							4,980		
2	3	CPT007	Computer Assisted Design B	Nil	10	3	83	830	
		MEC061	Engine Technology II	Nil	30	3	83	2,490	
		MEC077	Fluid Power	Nil	5	3	83	415	
		MEC007	Marine Auxiliary Machines	Nil	10	3	83	830	
		MEC073	Project - Engine Repair	Nil	5	3	83	415	
Semester Total							4,980		
Total number of credits					180	Course Total		14,790	

Diploma in Construction Management

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE /CP	FEE	
1	1	BES101	Building Materials	Nil	12	3	83	996	
		BES105	Construction I	Nil	12	3	83	996	
		BES109	Drawing and Setting Out	Nil	12	3	83	996	
		BES113	Technical Communications	Nil	10	3	83	830	
		IXP103	Industrial Experience I (Construction Management)	Nil	4	3	83	332	
		MGT107	Management I	Nil	10	4	88	880	
	Semester Total							5,030	
	2	2	BES107	Construction II	Nil	12	3	83	996
			BES201	Building Services I	Nil	10	3	83	830
			BES215	Land Surveying I	Nil	12	3	83	996
			BES231	Structures I	Nil	12	3	83	996
			IXP203	Industrial Experience II (Construction Management)	Nil	4	3	83	332
			MGT207	Management II	Nil	10	4	88	880
Semester Total							5,030		
1	3	BES301	Building Measurement I	Nil	12	3	83	996	
		BES303	Building Services II	Nil	10	3	83	830	
		BES305	Land Surveying II	Nil	12	3	83	996	

2	3	BES307	Structures II	Nil	12	3	83	996
		IXP301	Industrial Experience III (Construction Management)	Nil	4	3	83	332
		MGT301	Management III	Nil	10	4	88	880
	Semester Total							5,030
Total number of credits					180	Course Total		7,736

Advanced Certificate in Electrical & Electronics Engineering

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE /CP	FEE	
1	1	MAT005	Engineering Mathematics	Nil	10	4	88	880	
		PHY003	Engineering Science	Nil	10	3	83	830	
		MEC005	Engineering Drawing	Nil	12	3	83	996	
		MEC033	Workshop Technology	Nil	12	3	83	996	
		GEN033	Study Skills	Nil	6	2	58	348	
		CPT001	Introduction to Computing	Nil	10	3	83	830	
	Semester Total							4,880	
	2	2	CPT005	Computer Assisted Design A	Nil	15	3	83	1,245
			ELE001	Electrical Technology	Nil	15	3	83	1,245
			ELE003	Electrical Installation	Nil	15	3	83	1,245
			ELE005	Electronic Fundamentals	Nil	15	3	83	1,245
	Semester Total							4,980	
	2	3	ELE009	Electrical Machines	Nil	15	3	83	1,245
			ELE011	Electronic Circuits	Nil	15	3	83	1,245
ELE013			Consumer Electronics 1	Nil	15	3	83	1,245	
ELE015			Digital Electronics	Nil	15	3	83	1,245	
Semester Total							4,980		
Total number of credits					180	Course Total		15,670	

Diploma in Electronics Engineering

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE /CP	FEE	
1	1	MAT005	Engineering Mathematics	Nil	10	3	83	830	
		PHY003	Engineering Science	Nil	10	3	83	830	
		MEC005	Engineering Drawing	Nil	12	3	83	996	
		MEC033	Workshop Technology	Nil	12	3	83	996	
		GEN033	Study Skills	Nil	6	2	58	348	
		CPT001	Introduction to Computing	Nil	10	3	83	830	
	Semester Total							4,830	
	2	2	MGT113	Communication, Management & Business Skills **	Nil	15	4	88	1,320
			ELE111	Digital Electronics	Nil	15	3	83	1,245
			ELE101	Electrical and Electronic Fundamentals	Nil	15	3	83	1,245
			ELE103	Electrical Workshop & Equipment	Nil	12	3	83	996
	Semester Total							4,806	
	2	3	CPT111	Introduction to Programming***	Nil	15	3	83	1,245
			ELE105	Electronic Devices & Circuits	Nil	15	3	83	1,245
ELE109			PCB Design & Drafting	Nil	12	3	83	996	
ELE123			Electronic Signals & Systems	Nil	15	3	83	1,245	
Semester Total							4,731		
4		4	CPT107	Data Communications and Network***	Nil	15	3	83	1,245
			ELE201	Microprocessor Applications	Nil	15	3	83	1,245
			ELE117	Communication Fundamentals	Nil	15	3	83	1,245
			ELE107	Analysis and Design Project	Nil	15	3	83	1,245
Semester Total							4,980		
Total number of credits					234	Course Total		19,347	

Certificate III in Drinking Water System Operations and Maintenance

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE /CP	FEE
1	1	BIO013	Biological/ Bacteriological & Primary Nutrient Analysis	Nil	12	3	83	996
		SCI021	Basic Water Chemistry, Biology & Safety	Nil	12	3	83	996
		SCI023	Water Quality Sampling Methods	Nil	6	3	83	498
		SCI025	Physicochemical Analysis	Nil	12	3	83	996
		SCI027	Data Analysis & Interpretation	Nil	12	3	83	996
		SCI029	Laboratory Safety & Maintenance	Nil	6	3	83	498
Total number of credits					60	Course Total		22,086

BACHELOR OF ARTS IN INTERIOR DESIGN

Yr	Sem	Code	Title	Pre-requisite	Credit Point	FEE BAND	Fee/ CP	FEE	
1	1	ARC1XX	Interior Design 1	Nil	15	3	83	1,245	
		ARC101	Architectural Communication 1	Nil	12	3	83	996	
		ARC111	Environment & Culture 1	Nil	12	3	83	996	
		BES101	Building Materials	Nil	12	3	83	996	
		BES105	Construction 1	Nil	12	3	83	996	
		ENG013	English for Further Studies	Nil	12	3	83	996	
	Semester Total								6,225
	2	2	ARC1XY	Interior Design 2	ARC1XX	15	3	83	1,245
			ARC103	Architectural Communication 2	ARC101	12	3	83	996
			ARC113	Environment & Culture 2	ARC111	12	3	83	996
			BES1XX	Building Science 1	Nil	12	3	83	996
			BES107	Construction 2	BES105	12	3	83	996
DHII13			Dhivehi for Professionals	Nil	15	3	83	1,245	
Semester Total								6,474	
2	3	ARC2XX	Interior Design 3	ARC1XY	15	3	83	1,245	
		ARC203	Architectural Communication 3	ARC103	12	3	83	996	
		BES211	Environment & Culture 3	ARC113	12	3	83	996	
		BES221	Professional Practice 1	Nil	12	3	83	996	
		BES103	Building Services 1	Nil	12	3	83	996	
	Semester Total								5,229
	4	4	ARC2XY	Interior Design 4	ARC2XX	15	3	83	1,245
			ARC205	Architectural Communication 4	ARC203	12	3	83	996
			BES2XX	Building Science 2	BES1XX	12	3	83	996
			ARC1XX	Color theory	Nil	12	3	83	996
				Elective*	Nil	12	3	83	996
	Semester Total								5,229
3	5	ARC3XX	Interior Design 5	ARC2XY	15	3	83	1,245	
		ARC 303	Architectural Communication 5	ARC205	12	3	83	996	
		CAP3XX	Furniture Design workshop	Nil	12	3	83	996	
		XXX3XX	Research Methodology	Nil	12	3	83	996	
		BES3XX	Building Science 3	BES2XX	12	3	83	996	
	Semester Total								5,229
	6	6	ARC3XY	Interior Design 6	ARC3XX	20	3	83	1,660
			ARC3XZ	Directed Research	XXX3XX	20	3	83	1,660
			MGT231	Project Management	Nil	12	3	83	996
	Semester Total								4,316
Total number of credits					394	Course Total		32,702	

Bachelor of Arts in Architectural Design

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE/ CP	FEE	
1	1	ARC101	Architectural Communications I	Nil	12	3	83	996	
		ARC107	Architectural Design Project I	Nil	15	3	83	1,245	
		ARC111	Environment and Culture I	Nil	12	3	83	996	
		BES101	Building Materials	Nil	12	3	83	996	
		BES105	Construction I	Nil	12	3	83	996	
		ENG013	English for Further Study	Nil	15	2	58	870	
	Semester Total								6,099
	2	2	ARC103	Architectural Communications II	Nil	12	3	83	996
			ARC105	Architectural Technologies I	Nil	12	3	83	996
			ARC109	Architectural Design Project II	Nil	15	3	83	1,245
			ARC113	Environment and Culture II	Nil	12	3	83	996
			BES107	Construction II	Nil	12	3	83	996
Semester Total								5,229	
2	3	ARC201	Architectural Design Project III	Nil	15	3	83	1,245	
		ARC203	Architectural Communications III	Nil	12	3	83	996	
		BES103	Building Services I	Nil	12	3	83	996	
		BES211	Environment and Culture III	Nil	12	3	83	996	
		IXP123	Professional Industrial Experience I	Nil	0	0	0	-	
		BES221	Professional Practice I	Nil	12	3	83	996	
	Semester Total								5,229
	EXIT: Diploma in Architecture					204			16,557
	4	4	ARC205	Architectural Communications IV	Nil	12	3	83	996
			ARC207	Architectural Design Project IV	Nil	20	3	83	1,660
			BES203	Construction III	Nil	12	3	83	996
			BES243	Environment and Culture IV	Nil	12	3	83	996
Semester Total								4,648	
3	5	ARC115	Architectural Technologies II	Nil	12	3	83	996	
		ARC301	Architectural Design Project VI	Nil	15	3	83	1,245	
		ARC303	Architectural Communications V	Nil	12	3	83	996	
		ARC305	Environment and Culture V	Nil	12	3	83	996	
		BES245	Professional Practice II	Nil	12	3	83	996	
	Semester Total								5,229
	6	6	ARC209	Architectural Technologies III	Nil	12	3	83	996
				Architectural Elective 1	Nil	12	3	83	996
			ARC307	Architectural Design Project VI	Nil	20	3	83	1,660
			BES317	Professional Practice III	Nil	12	3	83	996
			IXP305	Professional Industrial Experience II	Nil	0	0	0	-
	Semester Total								4,648
Total number of credits					379	Course Total		31,082	

Advanced Certificate in Welding & Metal Fabrication

Yr	Sem	Subject Code	Subject Name	Credit Points	FEE BAND	FEE/ CP	FEE
1	1	MAT005	Engineering Mathematics	10	3	83	830
		PHY003	Engineering Science	10	3	83	830
		MEC005	Engineering Drawing	12	3	83	996
		MEC033	Workshop Technology	12	3	83	996
		GEN003	Study Skills	6	2	58	348
		CPT001	Introduction to Computing	10	3	83	830
		Semester Total					
		MEC065	SMA Welding process - 1	20	3	83	1,660

2	MEC049	Oxy-acetylene gas welding process - 1		10	3	83	830	
	MEC055	Sheet metal process		10	3	83	830	
	MEC047	Material Science		10	3	83	830	
	CPT005	CAD A		10	3	83	830	
	Semester Total						4,980	
2	3	MEC067	SMA Welding process - 2		20	3	83	1,660
		MEC071	Oxy-acetylene gas welding process - 2		10	3	83	830
		MEC063	Sheet metal productions		10	3	83	830
		MEC081	Project work		10	3	83	830
		CPT007	CAD B		10	3	83	830
	Semester Total						4,980	
Total number of credits				180	Course Total		14,790	