

**Study Plans for
Future university Programs
2025/2026**

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Faculty of Oral & Dental Medicine

Oral and Dental Surgery Program (BDS)

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Human Dentition	DHST 111	3	1	4	5	
General Histology	MEDS 111	3	2	2	4	
Biochemistry	MEDS 121	3	2	2	4	
General Anatomy	MEDS 131	3	2	2	4	
Human Physiology	MEDS 141	3	2	2	4	
Univ Requirement		2	2	0	2	
Univ Requirement		2	2	0	2	
Total		19	13	12	25	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Human Dentition	DHST 112	3	1	4	5	DHST 111
Basic Dental Biomaterials	DBM 111	3	2	2	4	
Biochemistry	MEDS 122	3	2	2	4	MEDS 121
General Anatomy	MEDS 132	3	2	2	4	MEDS 131
Human Physiology	MEDS 142	3	2	2	4	MEDS 141
Univ Requirement		2	2	0	2	
Total		17	17	12	23	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Applied Dental Biomaterials	DBM 212	3	2	2	4	DBM 111
Oral Histology	DHST 221	3	2	2	4	DHST 112
Pharmacology	MEDS 251	3	2	2	4	MEDS 122
General Microbiology	MEDS 261	2	1	2	3	-----
General pathology	MEDS 271	3	2	2	4	MEDS 132
Univ Requirement		2	2	0	2	
Univ Requirement		2	2	0	2	
Total		18	13	10	23	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Applied Dental Biomaterials	DBM 213	3	2	2	4	DBM 212
Oral Histology	DHST 222	3	2	2	4	DHST 221
Pharmacology	MEDS 252	3	2	2	4	MEDS 251
Genetics and Immunology	MEDS 262	2	1	2	3	MEDS 261
General pathology	MEDS 272	3	2	2	4	MEDS 271
Dental Ethics	PEDP 211	2	2	-	2	
Univ Requirement		2	2	0	2	
Total		18	13	10	23	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Restorative and Esthetic Dentistry Technology	RESTE 311	3	1	4	5	DBM 213
Fixed Prosthodontics Technology	FPROS 311	3	1	4	5	DBM 213
Removable Prosthodontics Technology	RPROS311	3	1	4	5	DBM 213
Oral and Maxillofacial Pathology	OMFP 311	3	2	2	4	DHST 222
Basics of Oral and Maxillofacial Radiology	OMFR 311	2	1	2	3	DBM 212
General Medicine, Skin and Venereal	MEDS 381	2	1	2	3	MEDS 252,272
General Surgery, ENT, and Ophthalmology	MEDS 391	2	1	2	3	MEDS 272
Total		18	8	20	28	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Restorative and Esthetic Dentistry Technology	RESTE 312	3	1	4	5	RESTE 311
Fixed Prosthodontics Technology	FPROS 312	3	1	4	5	FPROS 311
Removable Prosthodontics Technology	RPROS312	3	1	4	5	RPROS 311
Oral and Maxillofacial Pathology	OMFP 312	3	2	2	4	OMFP 311
Basics of Oral and Maxillofacial Radiology	OMFR 312	2	1	2	3	OMFR 311
General Medicine, Skin and Venereal	MEDS 382	2	1	2	3	MEDS 381
General Surgery, ENT, and Ophthalmology	MEDS 392	2	1	2	3	MEDS 391
Total		18	8	20	28	

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Clinical Restorative and Esthetic Dentistry	RESTE 413	2	1	2	3	RESTE 312
Endodontics Technology	ENDO 411	2	1	2	3	REST 312
Clinical Fixed Prosthodontics	FPROS 413	2	1	2	3	FPROS 312
Clinical Removable Prosthodontics	RPROS 413	2	1	2	3	RPROS 312
Diagnosis	MPD 411	3	2	2	4	OMFP 312, OMFR 312, MEDS 382
Applied Oral and Maxillofacial Radiology	OMFR 413	2	1	2	3	OMFR 312
Dental Public Health	PEDP 421	1	1	-	1	PEDP 211
Oral and Maxillofacial Surgery	OMFS 411	3	2	2	4	OMFP 312, OMFR 312, MEDS 392
Orthodontics	ORTH 411	2	1	2	3	DBM 213, OMFR 312
Total		19	11	16	27	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Clinical Restorative and Esthetic Dentistry	RESTE 414	2	1	2	3	RESTE 413
Endodontics Technology	ENDO 412	2	1	2	3	ENDO 411
Clinical Fixed Prosthodontics	FPROS 414	2	1	2	3	FPROS 413
Clinical Removable Prosthodontics	RPROS 414	2	1	2	3	RPROS 413
Periodontology	MPD 421	3	2	2	4	MPD 411
Oral Medicine	MPDR 431	3	2	2	4	MPD 411
Dental Public Health	PEDP 422	1	1	-	1	PEDP 421
Oral and Maxillofacial Surgery	OMFS 412	3	2	2	4	OMFS 411
Orthodontics	ORTH 412	2	1	2	3	ORTH 411
Total		20	12	16	28	

Level 5 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Clinical Endodontics	ENDO 513	2	1	2	3	ENDO 412
Clinical Restorative and Esthetic Dentistry	RESTE 515	3	1	4	5	RESTE 414
Clinical Fixed Prosthodontics	FPROS 515	3	1	4	5	FPROS 414
Clinical Removable Prosthodontics	RPROS515	3	1	4	5	RPROS 414
Oral and Maxillofacial Surgery	OMFS 513	3	2	2	4	OMFS 412
Periodontology	MPD 522	3	2	2	4	MPD 421
Pedodontics	PEDP 531	2	1	2	3	PEDP 422
Total		19	9	20	29	

Level 5 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Clinical Endodontics	ENDO 514	2	1	2	3	ENDO 513
Clinical Restorative and Esthetic Dentistry	RESTE 516	3	1	4	5	RESTE 515
Clinical Fixed Prosthodontics	FPROS 516	3	1	4	5	FPROS 515
Clinical Removable Prosthodontics	RPROS516	3	1	4	5	RPROS 515
Oral and Maxillofacial Surgery	OMFS 514	3	2	2	4	OMFS 513
Oral Medicine	MPD 532	3	2	2	4	MPDR 431
Pedodontics	PEDP 532	2	1	2	3	PEDP 531
Total		19	9	20	29	

Faculty of Pharmacy

PharmD Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Pharmaceutical Analytical Chemistry I	PC 101	3	2	2	0	0	4	
Pharmaceutical Organic Chemistry I	PC 102	3	2	2	0	0	4	
Pharmacy Orientation	PT 101	1	1	0	0	0	1	
Medicinal plants	PG 101	3	2	2	0	0	4	
Anatomy & Histology	MD 101	3	2	0	1	0	3	
Information Technology	PD 101	2	1	1	0	0	2	
Mathematics	MS 101	1	1	0	0	0	1	
English KET	ENG KET	2	2	0	0	0	2	
Total		18	13	7	1	0	21	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Pharmaceutical Analytical Chemistry II	PC 203	3	2	2	0	0	4	
Pharmaceutical Organic Chemistry II	PC 204	3	2	2	0	2	6	PC 102
Physical Pharmacy	PT 202	3	2	2	0	0	4	PT 101
Pharmacognosy I	PG 202	3	2	2	0	0	4	PG 101
Medical Terminology	MD 202	1	1	0	0	0	1	
Psychology	MD 203	2	2	0	0	0	2	
Human Rights and Fighting Corruption	PD 202	1	1	0	0	0	1	
English PET	ENG PET	2	2	0	0	0	2	ENG KET
Total		18	14	8	0	2	24	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
General Microbiology and Immunology	PM 401	3	2	2	0	0	4	MD 202
Pharmaceutical Organic Chemistry III	PC 306	3	2	2	0	0	4	PC 204
Pharmacognosy II	PG 303	2	1	2	0	0	3	PG 202
Biochemistry I	PB 301	3	2	2	0	0	4	MD 101
Physiology	MD 304	2	2	0	0	0	2	
Pharmaceutics I	PT 303	3	2	2	0	2	6	PT 202
University Elective*		2	2	0	0	0	2	
Total		18	13	10	0	2	25	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Biochemistry II	PB 402	4	3	2	0	0	5	PB 301
Instrumental Analysis	PC 305	3	2	2	0	0	4	PC 203
Phytochemistry I	PG 404	3	2	2	0	0	4	PG 303
Pathology and Pathophysiology	MD 405	3	2	2	0	0	4	MD 101 MD 304
Pharmaceutics II	PT 404	3	2	2	0	2	6	PT 202
Biostatistics	PO 401	1	1	0	0	0	1	MD 202
Scientific Writing & Communication skills	PD 403	2	1	0	1	0	2	
Total		19	13	10	1	2	26	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Pharmaceutical Microbiology	PM 502	3	2	2	0	0	4	PM 401
Parasitology and Virology	PM 503	3	2	2	0	0	4	PM 401
Phytochemistry II	PG 505	3	2	2	0	0	4	PG 404
Pharmaceutics III	PT 505	3	2	2	0	0	4	PT 202
Medicinal Chemistry I	PC 507	3	2	2	0	2	6	PC 306
Pharmacology I	PO 502	3	2	2	0	0	4	MD 304
Total		18	12	12	0	2	26	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect .	Pract.	Tut.	Cl. Cork	Total	
Community Pharmacy Practice	PP 601	3	2	2	0	0	4	PO 502
Medical Microbiology	PM 604	3	2	2	0	2	6	PM 401
Pharmaceutics IV	PT 606	3	2	2	0	2	6	PT 202
Pharmacology II	PO 603	4	3	2	0	0	5	PO 502
Medicinal Chemistry II	PC 608	4	3	2	0	0	5	PC 306
Total		17	12	10	0	4	26	

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Biopharmaceutics and Pharmacokinetics	PT 707	3	2	2	0	0	4	PT 505
Pharmacology III	PO 704	3	2	2	0	2	6	PO 502
Drug Design	PC 709	2	1	2	0	0	3	PC 507
Clinical Biochemistry	PB 703	4	3	2	0	0	5	PB 402
Pharmaceutical Technology	PT 708	4	3	2	0	0	5	PT 606
Pharmacy Legislations and Regulatory Affairs	PD 704	1	1	0	0	0	1	
Elective course	(1+1)	2	1	2/1		0	2/3	
Total		19	13	10/12	0/1	2	26/27	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Hospital Pharmacy Practice	PP 802	3	2	2	0	0	4	PT 505
Clinical Pharmacokinetics	PP 803	3	2	2	0	0	4	PT 707
Public Health & Preventive Medicine	PM 805	2	2	0	0	0	2	PM 604
Fundamental & Clinical Toxicology	PO 805	4	3	2	0	0	5	PO 704
Pharmacotherapeutics I	PP 804	4	3	2	0	2	7	PO 603
Elective course	(1+1)	2	1	2/1		0	2/3	
Total		18	13	8/10	0/1	2	24/25	

Level 5 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Biotechnology	PM 906	2	2	0	0	0	2	PM 502
Drug Information	PP 905	2	1	2	0	0	3	PO 704
Alternative & Complementary Medicine	PG 906	2	2	0	0	0	2	PG 505 PO 704
Pharmacotherapeutics II	PP 906	4	3	2	0	0	5	PO 704
Advanced Drug Delivery Systems	PT 909	2	2	0	0	2	4	PT 202
Drug Marketing & Pharmacoeconomics	PD 905	3	2	0	1	0	3	PP 601
First Aid	MD 906	2	1	2	0	0	3	MD 405
Elective course	(1+1)	2	1	2/1		0	2/3	
Total		19	14	6/8	1/2	2	24/25	

Level 5 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Quality Control of Pharmaceuticals	PT 010	3	2	2	0	0	4	PC 305 PT 606
Clinical pharmacy Practice and Ethics	PP 007	4	3	2	0	0	5	PP 802
Pharmacotherapeutics III	PP 008	4	3	2	0	0	5	PO 704
Entrepreneurship	PD 006	1	1	0	0	0	1	PD 704
Clinical Research, Pharmacovigilance and Pharmacoepidemiology	PP 009	3	2	2	0	2	6	PP 804
Elective course	(1+1)	2	1	2/1		0	2/3	
Total		17	12	8/10	0/1	2	23/24	

PharmD-Clinical Pharmacy Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Pharmaceutical Analytical Chemistry I	PC 101	3	2	2	0	0	4	
Pharmaceutical Organic Chemistry I	PC 102	3	2	2	0	0	4	
Pharmacy Orientation	PT 101	1	1	0	0	0	1	
Medicinal plants	PG 101	3	2	2	0	0	4	
Anatomy & Histology	MD 101	3	2	0	1	0	3	
Information Technology	PD 101	2	1	1	0	0	2	
Mathematics	MS 101	1	1	0	0	0	1	
English KET	ENG KET	2	2	0	0	0	2	
Total		18	13	7	1	0	21	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Pharmaceutical Analytical Chemistry II	PC 203	3	2	2	0	0	4	
Pharmaceutical Organic Chemistry II	PC 204	3	2	2	0	2	6	PC 102
Physical Pharmacy	PT 202	3	2	2	0	0	4	PT 101
Pharmacognosy I	PG 202	3	2	2	0	0	4	PG 101
Medical Terminology	MD 202	1	1	0	0	0	1	
Psychology	MD 203	2	2	0	0	0	2	
Human Rights and Fighting Corruption	PD 202	1	1	0	0	0	1	
English PET	ENG PET	2	2	0	0	0	2	ENG KET
Total		18	14	8	0	2	24	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Biochemistry I	PB 301	3	2	2	0	0	4	
General Microbiology and Immunology	PM 301	3	2	2	0	0	4	
Pharmacognosy II	PG 303	2	1	2	0	0	3	PG 202
Pharmaceutical dosage forms I	PT 303	3	2	2	0	2	6	PT 202
Physiology	MD 304	2	2	0	0	0	2	
Scientific writing and Communication skills	PD 303	2	1	0	1	0	2	
Pharmaceutical Legislations and practice ethics	PP 301	1	1	0	0	0	1	
University Elective *		2	2	0	0	0	2	
Total		18	13	8	1	2	24	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Pharmacology –I	PO 401	3	2	2	0	0	4	MD 304
Phytochemistry I	PG 404	2	1	2	0	0	3	PG 303
Parasitology & Virology	PM 402	3	2	2	0	0	4	PM 301
Pathology and pathophysiology	MD 405	3	2	2	0	0	4	MD 304
Pharmaceutical Dosage Forms-II	PT 404	3	2	2	0	2	6	PT 202
Biochemistry II	PB 402	3	2	2	0	0	4	PB 301
Total		17	11	12	0	2	25	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Pharmacology-III	PO 603	3	2	2	0	0	4	PO 401
Pharmaceutical Microbiology	PM 503	3	2	2	0	0	4	PM 301
Medicinal Chemistry-I	PC 505	3	2	2	0	2	6	PC 204
Phytochemistry II	PG 505	2	1	2	0	0	3	PG 303
Pharmaceutical Dosage Forms-III	PT 505	3	2	2	0	0	4	PT 303
Community Pharmacy Practice	PP 502	3	2	2	0	0	4	PO 401
First Aid and Basic Life Support (BLS)	MD 506	2	1	2	0	0	3	MD 304
Total		19	12	14	0	2	28	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Pharmacology-II	PO 502	3	2	2	0	0	4	MD 304
Medicinal Chemistry-II	PC 606	3	2	2	0	0	4	PC 505
Pharmaceutical Dosage Forms-IV	PT 606	2	2	0	0	2	4	PT 404
Hospital Pharmacy Practice	PP 603	3	2	2	0	0	4	PT 404
Pharmaceutical Technology	PT 607	3	2	2	0	0	4	PT 505
Clinical Pharmacy Practice	PP 604	3	2	2	0	0	4	PT 404
Pharmacotherapy: Infectious disease II	PP 706	2	1	0	1	0	2	PO 603
Total		19	13	10	1	2	26	

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Medical Microbiology	PM 704	3	2	2	0	2	6	PM 301
Biopharmaceutics and Pharmacokinetics	PT 708	3	2	2	0	0	4	PT 606
Pharmacotherapy: Infectious disease I	PP 605	2	1	0	1	0	2	PO 502
Clinical Nutrition	PB 904	2	1	2	0	0	3	PB 402
Quality Control of Pharmaceuticals	PT 709	3	2	2	0	0	4	PT 606 PC 203
Pharmacology-IV	PO 704	3	2	2	0	0	4	PO 401
Elective course		2	1	2/1		0	2/3	--
Total		18	11	10/12	1/2	2	25/26	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Biostatistics	PO 805	2	1	0	1	0	2	MD 202
Pharmacotherapy: Endocrine and Renal Diseases	PP 808	3	2	2	0	0	4	PO 704
Pharmacotherapy: Oncological Diseases and Radiopharmacy	PP 809	3	2	2	0	2	6	PO 603
Clinical Pharmacokinetics	PP 810	3	2	2	0	0	4	PT 708
Clinical Biochemistry	PB 803	3	2	2	0	0	4	PB 402
Public Health and Preventive Medicine	PM 805	2	2	0	0	0	2	PM 704
Elective Course		2	1	2/1		0	2/3	--
Total		18	12	8/10	1/2	2	24/25	

Level 5 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Fundamental & clinical Toxicology	PO 906	3	2	2	0	0	4	PO 704
Pharmacotherapy: Neuropsychiatric Diseases	PP 911	3	2	2	0	2	6	PO 502
Drug Information	PP 707	2	1	2	0	0	3	PO 603
Pharmacotherapy: Respiratory Diseases	PP 018	2	1	0	1	0	2	PO 401
Pharmacotherapy: Cardiovascular Diseases	PP 912	3	2	2	0	0	4	PO 603
Pharmacotherapy: Gastrointestinal Diseases	PP 017	2	1	0	1	0	2	PO 502
Entrepreneurship	PD 905	1	1	0	0	0	1	PP 502
Elective Course		2	1	2/1		0	2/3	
Total		18	11	8/10	2/3	2	24/25	

Level 5 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours					Prerequisite
			Lect.	Pract.	Tut.	Cl. Cork	Total	
Family Planning and Women's Health	PP 013	2	2	0	0	0	2	PO 704
Pharmacotherapy: Critical Care Patients	PP 014	2	1	2	0	0	3	PO 603
Pharmacotherapy: Pediatric and Geriatric Diseases	PP 015	3	2	2	0	0	4	PO 603
Pharmacotherapy: Dermatological, Venereal and Musculoskeletal Diseases	PP 016	3	2	2	0	0	4	PO 704
Drug Marketing & Pharmacoeconomics	PD 904	2	1	0	1	0	2	PP 502
Alternative and Complementary Medicine	PG 905	2	2	0	0	0	2	PO 603 PG 404
Clinical Research, Pharmacovigilance & Pharmacoepidemiology	PP 019	2	1	2	0	2	5	PP 706
Elective		2	1	2/1		0	2/3	
Total		18	12	8/10	1/2	2	24/25	

Faculty of Engineering & Technology

Mechatronics Engineering Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Calculus I	EMP113	3	2	2	0	4	-
Physics I	EMP123	3	2	2	1	5	-
Engineering Mechanics	EMP131	3	2	2	0	4	-
Engineering Drawing	EMP141	2	1	3	0	4	-
General Chemistry	EMP151	3	2	1	2	5	-
English KET	ENG KET	2	2	0	0	2	-
University Elective 1	UNV E1	2	2	0	0	2	-
Total		18	13	10	3	26	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Computer Programming	EED161	3	2	1	2	5	-
Calculus II	EMP114	3	2	2	0	4	EMP113
Probability & Statistics	EMP115	3	2	2	0	4	EMP113
Physics II	EMP124	3	2	2	1	5	-
English PET	ENG PET	2	2	0	0	2	ENG KET
Production Technology	MEC151	2	1	0	3	4	-
University Elective 2	UNV E2	2	2	0	0	2	-
Total		18	13	7	6	26	

Level 2 - 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electrical circuits	EED218	3	2	2	0	4	EMP124
Differential Equations	EMP213	3	2	2	0	4	EMP114
Linear Algebra & Geometry	EMP217	3	2	2	0	4	-
Materials Science	EMP226	2	1	3	0	4	-
Solid Mechanics	MEC211	3	2	2	0	4	EMP131
Thermodynamics	MEC231	3	2	2	1	5	EMP123
Total		17	11	13	1	25	

Level 2 - 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electronics	EED219	3	2	2	1	5	EMP124
Transformations & Complex Analysis	EMP214	3	2	2	0	4	EMP213
Fundamentals of Fluid Science	MEC232	3	2	2	1	5	EMP123
Manufacturing Processes	MEC252	3	2	2	0	4	MEC151
Mechanical Engineering Drawing	MEC253	2	1	0	3	4	EMP141
Engineering Dynamics	MEC261	2	1	3	0	4	EMP217
Human Rights	PSC 110	2	2	0	0	2	-
Total		18	12	11	5	28	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN211	Practical Training 1	75 Contact Hours (3 Weeks × 25 hrs/Week)	0	Completion of 54 CH

Level 3 - 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Digital Systems	EED329	3	2	2	1	5	-
Electrical Machines	EEDx59	3	2	2	0	4	EMP124
Sensors and Instrumentation	MEC313	3	2	2	1	5	EMP123
System Dynamics and Modelling	MEC331	3	2	2	1	5	EMP214
Mechanical Design 1	MEC352	3	2	3	0	5	MEC211 MEC253
Theory of Machines	MEC356	3	2	2	0	4	MEC261
Total		18	12	13	2	28	

Level 3 - 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Faculty Elective 1	FAC E1	2	2	0	0	2	-
Mechatronics System Design	MEC312	3	2	2	1	5	MEC331
Automatic Control	MEC322	3	2	3	0	5	MEC331
Programmable Logic Controllers (PLCs)	MEC326	3	2	0	3	5	EED329
Fundamentals of Heat Transfer	MEC344	3	2	2	0	4	MEC232
Mechanical Design 2	MEC353	3	2	3	0	5	MEC352
University Elective 3	UNV E3	2	2	0	0	2	-
Total		19	14	10	4	28	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN311	Practical Training 2	75 Contact Hours (3 Weeks × 25 hrs/Week)	0	Completion of 90 CH

Level 4 - 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Elective 1	MEC E1	3	2	2	0	4	-
Elective 2	MEC E2	3	2	2	0	4	-
Microprocessors and Embedded Systems	MEC421	3	2	2	1	5	EED329
Engineering Economics	MEC461	2	2	0	0	2	-
Power electronics and drive systems	MEC465	2	1	2	0	3	EED219
Robotics	MEC471	3	2	2	0	4	MEC356
Graduation Project 1	MEC498	2	1	0	3	4	Approval
Total		18	12	10	4	26	

Level 4 - 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Elective 3	MEC E3	3	2	2	0	4	-
4Elective	MEC E4	3	2	2	0	4	-
5Elective	MEC E5	3	2	2	0	4	-
Digital Control	MEC423	3	2	2	0	4	MEC322
Fluid Power Control	MEC431	3	2	2	0	4	MEC232
Graduation Project 2	MEC499	3	1	0	6	7	MEC498
Total		18	11	10	6	27	

Sustainable Energy Engineering Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Calculus I	EMP113	3	2	2	0	4	-
Physics I	EMP123	3	2	2	1	5	-
Engineering Mechanics	EMP131	3	2	2	0	4	-
Engineering Drawing	EMP141	2	1	3	0	4	-
General Chemistry	EMP151	3	2	1	2	5	-
English KET	ENG KET	2	2	0	0	2	-
University Elective 1	UNV E1	2	2	0	0	2	-
Total		18	13	10	3	26	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Computer Programming	EED161	3	2	1	2	5	-
Calculus II	EMP114	3	2	2	0	4	EMP113
Probability & Statistics	EMP115	3	2	2	0	4	EMP113
Physics II	EMP124	3	2	2	1	5	-
English PET	ENG PET	2	2	0	0	2	ENG KET
Production Technology	MEC151	2	1	0	3	4	-
University Elective 2	UNV E2	2	2	0	0	2	-
Total		18	13	7	6	26	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electrical Machines	EEDx59	3	2	2	0	4	EMP124
Differential Equations	EMP213	3	2	2	0	4	EMP114
Linear Algebra & Geometry	EMP217	3	2	2	0	4	-
Materials Science	EMP226	2	1	3	0	4	-
Solid Mechanics	MEC211	3	2	2	0	4	EMP131
Thermodynamics	MEC231	3	2	2	1	5	EMP123
Total		17	11	13	1	25	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Transformations & Complex Analysis	EMP214	3	2	2	0	4	EMP213
Fundamentals of Fluid Science	MEC232	3	2	2	0	4	EMP123
Applied Thermodynamics	MEC244	3	2	2	0	4	MEC231
Manufacturing Processes	MEC252	3	2	2	0	4	MEC151
Mechanical Engineering Drawing	MEC253	2	1	0	3	4	EMP141
Engineering Dynamics	MEC261	2	1	3	0	4	EMP217
Human Rights	PSC 110	2	2	0	0	2	-
Total		18	12	11	3	26	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN211	Practical Training 1	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 54 CH

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Sensors and Instrumentation	MEC313	3	2	2	0	4	EMP123
System Dynamics and Modelling	MEC331	3	2	3	0	5	EMP214
Fundamentals of Heat Transfer	MEC344	3	2	2	1	5	MEC232
Sustainable and Renewable Energy Sources	MEC349	3	2	3	0	5	MEC231
Mechanical Design 1	MEC352	3	2	3	0	5	MEC211 MEC253
Theory of Machines	MEC356	3	2	2	0	4	MEC261
Total		18	12	15	1	28	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Faculty Elective 1	FAC E1	2	2	0	0	2	0
Automatic Control	MEC322	3	2	3	0	5	MEC331
Turbomachinery	MEC334	3	2	2	1	5	MEC232 MEC244
Solar Thermal Energy	MEC342	3	2	3	0	5	MEC349
Wind Energy Systems	MEC343	3	2	2	0	4	MEC349
Mechanical Design 2	MEC353	3	2	3	0	5	MEC352
University Elective 3	UNV E3	2	2	0	0	2	0
Total		19	14	13	1	28	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN311	Practical Training 2	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 90 CH

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Elective 1	MEC E1	3	2	2	0	4	-
Elective 2	MEC E2	3	2	2	0	4	-
Water Desalination Systems	MEC433	2	1	2	0	3	MEC344
Internal Combustion Engines	MEC435	3	2	2	0	4	MEC244
Power Plant Technology	MEC436	3	2	2	0	4	MEC244
Engineering Economics	MEC461	2	2	0	0	2	-
Graduation Project 1	MEC498	2	1	0	3	4	Approval
Total		18	12	10	3	25	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Elective 3	MEC E3	3	2	2	0	4	-
Elective 4	MEC E4	3	2	2	0	4	-
Elective 5	MEC E5	3	2	2	0	4	-
Energy Storage Systems	MEC425	3	2	2	0	4	MEC244
Photovoltaic Systems	MEC441	3	2	3	0	5	MEC349
Graduation Project 2	MEC499	3	1	0	6	7	MEC498
Total		18	11	11	6	28	

Computer Engineering and Intelligent Systems Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Calculus I	EMP113	3	2	2	0	4	-
Physics I	EMP123	3	2	2	1	5	-
Engineering Mechanics	EMP131	3	2	2	0	4	-
Engineering Drawing	EMP141	2	1	3	0	4	-
General Chemistry	EMP151	3	2	1	2	5	-
English KET	ENG KET	2	2	0	0	2	-
University Elective 1	UNV E1	2	2	0	0	2	-
Total		18	13	10	3	26	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Computer Programming	EED161	3	2	1	2	5	-
Calculus II	EMP114	3	2	2	0	4	EMP113
Probability & Statistics	EMP115	3	2	2	0	4	EMP113
Physics II	EMP124	3	2	2	1	5	-
English PET	ENG PET	2	2	0	0	2	ENG KET
Production Technology	MEC151	2	1	0	3	4	-
University Elective 2	UNV E2	2	2	0	0	2	-
Total		18	13	7	6	26	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electrical Circuits 1	EED211	3	2	2	1	5	EMP124
Logic Design	EED222	3	2	2	1	5	-
Differential Equations	EMP213	3	2	2	0	4	EMP114
Solid State Physics	EMP227	3	2	2	1	5	EMP124
Faculty Elective	FAC E1	2	2	0	0	2	-
Human Rights	PSC 110	2	2	0	0	2	-
University Elective 3	UNV E3	2	2	0	0	2	-
Total		18	14	8	3	25	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electrical Circuits 2	EED212	3	2	2	1	5	EED211
Electronics	EED213	3	2	2	1	5	EMP227
Computer Organization	EED223	3	2	2	1	5	EED222
Advanced Computer Programming	EED261	3	2	0	3	5	EED161
Transformations and Complex Analysis	EMP214	3	2	2	0	4	EMP213
Discrete Math and Numerical Methods	EMP216	3	2	2	0	4	EMP213
Total		18	12	10	6	28	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN211	Practical Training 1	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 54 CH

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Signals & Systems	EED231	3	2	2	1	5	EMP213
Electronic Circuits	EED311	4	3	2	1	6	EED213
Microprocessors and Microcontrollers	EED323	3	2	2	1	5	EED223
Electromagnetic Fields	EED331	3	2	2	0	4	EMP214
Control Systems	EED355	3	2	2	0	4	EMP214
Artificial Intelligence	EED371	3	2	1	1	4	EED261, EMP216
Total		19	13	11	4	28	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Measurements & Instrumentation	EED314	3	2	1	2	5	EED213
Digital Image Processing	EED337	3	2	1	1	4	EED231
Data Structures and Algorithms	EED362	3	2	1	2	5	EED161
Operating Systems	EED363	3	2	1	1	4	EMP223
Machine Learning	EED372	3	2	1	2	5	EMP115
Data Communication	EED381	3	2	1	2	5	EED231
Total		18	12	6	10	28	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN311	Practical Training 2	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 90 CH

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Technical Elective 1	EED E1	3	2	1	1	4	-
Technical Elective 2	EED E2	3	2	1	1	4	-
Database Management Systems	EED364	3	2	2	1	5	EED362
Fundamentals of Deep Learning	EED475	3	2	2	1	5	EED372
Computer Networks	EED488	3	2	2	1	5	EED381
Graduation Project 1	EED498	2	1	0	3	4	Completion of 100 CH
Total		17	11	8	8	27	

Level 4- 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Technical Elective 3	EED E3	3	2	1	1	4	-
Technical Elective 4	EED E4	3	2	1	1	4	-
Technical Elective 5	EED E5	3	2	1	1	4	-
Electrical Power Engineering	EED344	3	2	2	0	4	EED212
Introduction to Data Security	EED483	3	2	2	1	5	EED261, EED381
Graduation Project 2	EED499	3	1	0	6	7	EED498
Total		18	11	7	10	28	

Communications and Electronics Engineering Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Calculus I	EMP113	3	2	2	0	4	-
Physics I	EMP123	3	2	2	1	5	-
Engineering Mechanics	EMP131	3	2	2	0	4	-
Engineering Drawing	EMP141	2	1	3	0	4	-
General Chemistry	EMP151	3	2	1	2	5	-
English KET	ENG KET	2	2	0	0	2	-
University Elective 1	UNV E1	2	2	0	0	2	-
Total		18	13	10	3	26	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Computer Programming	EED161	3	2	1	2	5	-
Calculus II	EMP114	3	2	2	0	4	EMP113
Probability & Statistics	EMP115	3	2	2	0	4	EMP113
Physics II	EMP124	3	2	2	1	5	-
English PET	ENG PET	2	2	0	0	2	ENG KET
Production Technology	MEC151	2	1	0	3	4	-
University Elective 2	UNV E2	2	2	0	0	2	-
Total		18	13	7	6	26	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electrical Circuits 1	EED211	3	2	2	1	5	EMP124
Logic Design	EED222	3	2	2	1	5	-
Differential Equations	EMP213	3	2	2	0	4	EMP114
Solid State Physics	EMP227	3	2	2	1	5	EMP124
Faculty Elective	FAC E1	2	2	0	0	2	-
Human Rights	PSC 110	2	2	0	0	2	-
University Elective 3	UNV E3	2	2	0	0	2	-
Total		18	14	8	3	25	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electrical Circuits 2	EED212	3	2	2	1	5	EED211
Electronics	EED213	3	2	2	1	5	EMP227
Computer Organization	EED223	3	2	2	1	5	EED222
Signals & Systems	EED231	3	2	2	1	5	EMP213
Transformations and Complex Analysis	EMP214	3	2	2	0	4	EMP213
Discrete Math and Numerical Methods	EMP216	3	2	2	0	4	EMP213
Total		18	12	12	4	28	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN211	Practical Training 1	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 54 CH

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electronic Circuits	EED311	4	3	2	1	6	EED213
Microprocessors and Microcontrollers	EED323	3	2	2	1	5	EED223
Electromagnetic Fields	EED331	3	2	2	0	4	EMP214
Analog Communication Systems	EED335	3	2	2	1	5	EED231
Electrical Power Engineering	EED344	3	2	2	0	4	EED212
Control Systems	EED355	3	2	2	0	4	EMP214
Total		19	13	12	3	28	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Integrated Circuits Devices	EED312	3	2	2	1	5	EMP227
Digital Integrated-Circuits	EED313	3	2	2	1	5	EED213
Measurements & Instrumentation	EED314	3	2	1	2	5	EED213
Digital Signal Processing	EED332	3	2	1	1	4	EED231
Electromagnetic Waves	EED333	3	2	2	0	4	EED331
Digital Communication Systems	EED336	3	2	2	1	5	EED335
Total		18	12	10	6	28	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN311	Practical Training 2	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 90 CH

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Technical Elective A1	EED A1	3	2	1	1	4	-
Electronic-Circuits for Communication	EED411	3	2	2	1	5	EED311
Analog Integrated Circuits	EED412	3	2	2	1	5	EED311
Real-time Embedded Systems	EED422	3	2	0	3	5	EED323
Microwave Engineering	EED434	3	2	2	1	5	EED333
Graduation Project 1	EED498	2	1	0	3	4	Completion of 100 CH
Total		17	11	7	10	28	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Technical Elective A2	EED A2	3	2	1	1	4	-
Technical Elective B1	EED B1	3	2	1	1	4	-
Technical Elective B2	EED B2	3	2	1	1	4	-
Technical Elective B3	EED B3	3	2	1	1	4	-
Antenna and Propagation	EED435	3	2	2	1	5	EED333
Graduation Project 2	EED499	3	1	0	6	7	EED498
Total		18	11	6	11	28	

Electrical Power Engineering Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Calculus I	EMP113	3	2	2	0	4	-
Physics I	EMP123	3	2	2	1	5	-
Engineering Mechanics	EMP131	3	2	2	0	4	-
Engineering Drawing	EMP141	2	1	3	0	4	-
General Chemistry	EMP151	3	2	1	2	5	-
English KET	ENG KET	2	2	0	0	2	-
University Elective 1	UNV E1	2	2	0	0	2	-
Total		18	13	10	3	26	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Computer Programming	EED161	3	2	1	2	5	-
Calculus II	EMP114	3	2	2	0	4	EMP113
Probability & Statistics	EMP115	3	2	2	0	4	EMP113
Physics II	EMP124	3	2	2	1	5	-
English PET	ENG PET	2	2	0	0	2	ENG KET
Production Technology	MEC151	2	1	0	3	4	-
University Elective 2	UNV E2	2	2	0	0	2	-
Total		18	13	7	6	26	

Level 2 - 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electrical Circuits 1	EED211	3	2	2	1	5	EMP124
Logic Design	EED222	3	2	2	1	5	-
Differential Equations	EMP213	3	2	2	0	4	EMP114
Solid State Physics	EMP227	3	2	2	1	5	EMP124
Faculty Elective	FAC E1	2	2	0	0	2	-
Human Rights	PSC 110	2	2	0	0	2	-
University Elective 3	UNV E3	2	2	0	0	2	-
Total		18	14	8	3	25	

Level 2 - 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electrical Circuits 2	EED212	3	2	2	1	5	EED211
Electronics	EED213	3	2	2	1	5	EMP227
Computer Organization	EED223	3	2	2	1	5	EED222
Signals & Systems	EED231	3	2	2	1	5	EMP213
Transformations and Complex Analysis	EMP214	3	2	2	0	4	EMP213
Discrete Math and Numerical Methods	EMP216	3	2	2	0	4	EMP213
Total		18	12	12	4	28	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN211	Practical Training 1	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 54 CH

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electronic Circuits	EED311	4	3	2	1	6	EED213
Microprocessors and Microcontrollers	EED323	3	2	2	1	5	EED223
Electromagnetic Fields	EED331	3	2	2	0	4	EMP214
Electrical Power Engineering	EED344	3	2	2	0	4	EED212
DC & Synchronous Machines	EED352	3	2	2	1	5	EED212
Control Systems	EED355	3	2	2	0	4	EMP214
Total		19	13	12	3	28	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Technical Elective 1	EED E1	3	2	2	0	4	-
Measurements & Instrumentation	EED314	3	2	1	2	5	EED213
Electrical Power Transmission & Distribution	EED345	3	2	2	0	4	EED212
High Voltage Engineering	EED346	3	2	2	0	4	EED212
Power Electronics 1	EED351	3	2	2	1	5	EED213
Transformers & Induction Machines	EED353	3	2	2	1	5	EED212
Total		18	12	11	4	27	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN311	Practical Training 2	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 90 CH

Level 4 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Technical Elective 2	EED E2	3	2	2	0	4	-
Technical Elective 3	EED E3	3	2	2	0	4	-
Power System Protection	EED443	3	2	2	1	5	EED344
Power System Analysis 1	EED446	3	2	2	0	4	EED344
Power Electronics 2	EED451	3	2	2	1	5	EED351
Graduation Project 1	EED498	2	1	0	3	4	Completion of 100 CH
Total		17	13	12	3	28	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Technical Elective 4	EED E4	3	2	2	0	4	-
Technical Elective 5	EED E5	3	2	2	0	4	-
Renewable Energy	EED441	3	2	2	1	5	EED212
Power System Analysis 2	EED447	3	2	2	0	4	EED344
Electric Motor Drives	EED454	3	2	2	0	4	EED451
Graduation Project 2	EED499	3	1	0	6	7	EED498
Total		18	11	10	7	28	

Biomedical Engineering Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Calculus I	EMP113	3	2	2	0	4	-
Physics I	EMP123	3	2	2	1	5	-
Engineering Mechanics	EMP131	3	2	2	0	4	-
Engineering Drawing	EMP141	2	1	3	0	4	-
General Chemistry	EMP151	3	2	1	2	5	-
English KET	ENG KET	2	2	0	0	2	-
University Elective 1	UNV E1	2	2	0	0	2	-
Total		17	13	11	1	25	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Computer Programming	EED161	3	2	1	2	5	-
Calculus II	EMP114	3	2	2	0	4	EMP113
Probability & Statistics	EMP115	3	2	2	0	4	EMP113
Physics II	EMP124	3	2	2	1	5	-
English PET	ENG PET	2	2	0	0	2	ENG KET
Production Technology	MEC151	2	1	0	3	4	-
University Elective 2	UNV E2	2	2	0	0	2	-
Total		18	13	7	6	26	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Biology	BME231	3	2	2	0	4	-
Electrical Circuits 1	EED211	3	2	2	1	5	EMP124
Logic Design	EED222	3	2	2	1	5	-
Differential Equations	EMP213	3	2	2	0	4	EMP114
Solid State Physics	EMP227	3	2	2	1	5	EMP124
Human Rights	PSC 110	2	2	0	0	2	-
University Elective 3	UNV E3	2	2	0	0	2	-
Total		19	14	10	3	27	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electrical Circuits 2	EED212	3	2	2	1	5	EED211
Electronics	EED213	3	2	2	1	5	EMP227
Computer Organization	EED223	3	2	2	1	5	EED222
Signals & Systems	EED231	3	2	2	1	5	EMP213
Transformations and Complex Analysis	EMP214	3	2	2	0	4	EMP213
Discrete Math and Numerical methods	EMP216	3	2	2	0	4	EMP213
Total		18	12	12	4	28	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN211	Practical Training 1	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 54 CH

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Anatomy and Physiology	BME331	3	2	1	1	4	-
Electronic Circuits	EED311	4	3	2	1	6	EED213
Measurements & Instrumentation	EED314	3	2	1	2	5	EED213
Microprocessors and Microcontrollers	EED323	3	2	2	1	5	EED223
Electromagnetic Fields	EED331	3	2	2	0	4	EMP214
Control Systems	EED355	3	2	2	0	4	EMP214
Total		19	13	10	5	28	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Technical Elective 1	BME E1	3	2	2	0	4	-
Biomedical Instrumentation	BME311	3	2	2	1	5	EED314
Medical Electronics	BME312	3	2	2	1	5	EED311
Biomaterials	BME321	3	2	2	0	4	BME331
Medical Signal Processing	BME341	3	2	2	1	5	EED231
Medical Image Processing	BME342	3	2	2	1	5	EED231
Total		18	12	12	4	28	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN311	Practical Training 2	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 90 CH

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Technical Elective 2	BME E2	3	2	2	0	4	-
Technical Elective 3	BME E3	3	2	2	0	4	-
Biomedical Equipment	BME411	3	2	2	0	4	BME331
Stress Analysis	BME421	3	2	2	0	4	BME331
Graduation Project 1	BME498	2	1	3	0	4	Completion of 100 CH
Electrical Power Engineering	EED344	3	2	2	0	4	EED212
Total		17	11	10	3	24	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Technical Elective 4	BME E4	3	2	2	0	4	-
Technical Elective 5	BME E5	3	2	2	0	4	-
Biomechanics	BME422	3	2	2	1	5	BME421
Clinical Engineering	BME451	3	2	2	1	5	BME411
Graduation Project 2	BME499	3	1	0	6	7	BME498
Faculty Elective	FAC E1	2	2	0	0	2	-
Total		17	11	8	8	27	

Architecture Engineering program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Calculus I	EMP113	3	2	2	0	4	
Physics I	EMP123	3	2	2	1	5	
Engineering Mechanics	EMP131	3	2	2	0	4	
Engineering Drawing	EMP141	2	1	3	0	4	
General Chemistry	EMP151	3	2	1	2	5	
English KET	ENG KET	2	2	0	0	2	
Human Rights	PSC 110	2	2	0	0	2	
Total		18	13	10	3	26	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
History & Theories of Architecture (1)	ARC121	2	2	0	0	2	-
Graphics & Visual Skills	ARC131	2	1	3	0	4	-
Computer Programming	EED161	3	2	1	2	5	-
Calculus II	EMP114	3	2	2	0	4	EMP113
Probability & Statistics	EMP115	3	2	2	0	4	EMP113
Physics II	EMP124	3	2	2	1	5	-
Production Technology	MEC151	2	1	0	34	4	-
Total		18	12	10	6	28	

Level 2 - 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Architectural Design (1)	ARC213	4	1	6	0	7	ARC121
History & Theories of Architecture (2)	ARC221	2	2	0	0	2	-
Computer-Aided Drafting	ARC231	2	1	0	2	3	-
Building Construction & Materials (1)	ARC243	3	1	5	0	6	-
Building' Laws & Regulations	ARC281	2	1	2	0	3	-
Steel Structure for Architects	SCM218	2	1	2	0	3	-
University Elective 1	UNV E1	2	2	0	0	2	-
Total		17	9	15	2	26	

Level 2 - 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Architectural Design (2)	ARC214	4	1	6	0	7	ARC213
Building Construction & Materials (2)	ARC244	3	1	4	0	5	ARC243
Landscape Architecture	ARC253	3	2	3	0	5	-
Building Information Modeling (BIM)	ARC271	2	1	2	0	3	-
English PET	ENG PET	2	2	0	0	2	-
Properties & Strength of Materials	SCM219	2	1	2	0	3	-
University Elective 2	UNV E2	2	2	0	0	2	-
Total		18	10	15	2	27	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN211	Practical Training 1	75 Contact Hours (3 Weeks × 25 hrs/Week)	0	Completion of 54 CH

Level 3 - 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Architectural Design (3)	ARC315	4	1	6	0	7	ARC213 & ARC281
History & Theories of Architecture (3)	ARC326	2	2	0	0	2	-
Building Construction & Materials (3)	ARC347	4	1	6	0	7	ARC243
Urban Planning	ARC352	3	2	2	0	4	-
Environmental Control, Acoustics, lighting systems and Technical Installations	ARC362	3	1	4	0	5	-
Reinforced Concrete & Foundations for Architects	SCM317	2	1	2	0	3	-
Total		18	8	20	0	28	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Architectural Design (4)	ARC316	4	1	6	0	7	ARC213
Computer applications	ARC332	2	1	0	2	3	EED161
Urban Design & Housing	ARC355	4	2	4	0	6	-
Execution Design	ARC374	4	2	4	0	6	ARC243
Program Elective (B)	ARCxXX	2	1	2	0	3	-
Program Elective (B)	ARCxXX	2	1	2	0	3	-
Total		18	10	15	2	27	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN311	Practical Training 2	75 Contact Hours (3 Weeks × 25 hrs/Week)	0	Completion of 90 CH

Level 4 - 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Architectural Design (5)	ARC411	4	1	6	0	7	ARC213
Building Technology (1)	ARC472	3	2	2	0	4	ARC243
Graduation Project studies	ARC491	2	1	2	0	3	successfully completing 116 CH
Program Elective (A)	ARCxXX	3	1	4	0	5	-
Program Elective (A)	ARCxXX	3	1	4	0	5	-
Faculty Elective	FAC E1	2	2	0	0	2	-
University Elective 3	UNV E3	2	2	0	0	2	-
Total		19	10	18	0	28	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Building Technology (2)	ARC473	3	2	2	0	4	ARC374 or ARC472
Graduation Project	ARC492	5	1	7	0	8	ARC491
Program Elective (A)	ARCxXX	3	1	4	0	5	-
Program Elective (A)	ARCxXX	3	1	4	0	5	-
Program Elective (B)	ARCxXX	2	1	2	0	3	-
Program Elective (B)	ARCxXX	2	1	2	0	3	-
Total		18	7	21	0	28	

Interior Architecture Engineering Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Calculus I	EMP113	3	2	2	0	4	
Physics I	EMP123	3	2	2	1	5	
Engineering Mechanics	EMP131	3	2	2	0	4	
Engineering Drawing	EMP141	2	1	3	0	4	
General Chemistry	EMP151	3	2	1	2	5	
English KET	ENG KET	2	2	0	0	2	
Human Rights	PSC 110	2	2	0	0	2	
Total		18	13	10	3	26	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
History & Theories of Architecture (1)	ARC121	2	2	0	0	2	-
Graphics & Visual Skills	ARC131	2	1	3	0	4	-
Computer Programming	EED161	3	2	1	2	5	-
Calculus II	EMP114	3	2	2	0	4	EMP113
Probability & Statistics	EMP115	3	2	2	0	4	EMP113
Physics II	EMP124	3	2	2	1	5	-
Production Technology	MEC151	2	1	0	34	4	-
Total		18	12	10	6	28	

Level 2 - 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Architectural Design (1)	ARC213	4	1	6	0	7	ARC121
History & Theories of Architecture (2)	ARC221	2	2	0	0	2	-
Computer-Aided Drafting	ARC231	2	1	0	2	3	-
Building Construction & Materials (1)	ARC243	3	1	5	0	6	-
Building' Laws & Regulations	ARC281	2	1	2	0	3	-
Steel Structure for Architects	SCM218	2	1	2	0	3	-
University Elective 1	UNV E1	2	2	0	0	2	-
Total		17	9	15	2	26	

Level 2 - 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Architectural Design (2)	ARC214	4	1	6	0	7	ARC213
Building Construction & Materials (2)	ARC244	3	1	4	0	5	ARC243
Landscape Architecture	ARC253	3	2	3	0	5	-
Building Information Modeling (BIM)	ARC271	2	1	2	0	3	-
English PET	ENG PET	2	2	0	0	2	-
Properties & Strength of Materials	SCM219	2	1	2	0	3	-
University Elective 2	UNV E2	2	2	0	0	2	-
Total		18	10	15	2	27	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN211	Practical Training 1	75 Contact Hours (3 Weeks × 25 hrs/Week)	0	Completion of 54 CH

Level 3 - 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Architectural Design (3)	ARC315	4	1	6	0	7	ARC213 & ARC281
History & Theories of Interior Design	ARC322	2	2	0	0	2	-
Building Construction & Materials (3)	ARC347	4	1	6	0	7	ARC243
Interior Design with Light and Sound	ARC361	3	2	2	0	4	-
Environmental Control, Acoustics, lighting systems and Technical Installations	ARC362	3	1	4	0	5	-
Reinforced Concrete & Foundations for Architects	SCM317	2	1	2	0	3	-
Total		18	8	20	0	28	

Level 3 - 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Interior Design (1) Residential & Tourism	ARC312	4	1	5	0	6	ARC213
Computer applications	ARC332	2	1	0	2	3	EED161
Interior Design Execution (1)	ARC372	3	1	4	0	5	ARC243
Furniture Design	ARC375	3	1	4	0	5	-
Interior Design Styles and Trends	ARC376	2	1	2	0	3	-
Program Elective (B)	ARCxXX	2	1	2	0	3	-
Program Elective (B)	ARCxXX	2	1	2	0	3	-
Total		18	7	19	2	28	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN311	Practical Training 2	75 Contact Hours (3 Weeks × 25 hrs/Week)	0	Completion of 90 CH

Level 4 - 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Interior Design (2) - Business, Corporate & Retail	ARC413	4	1	5	0	6	ARC213
Interior Design Execution (2)	ARC474	4	2	4	0	6	ARC243
Graduation Project studies	ARC491	2	1	2	0	3	successfully completing 116 CH
Program Elective (A)	ARCxXX	3	1	4	0	5	-
Program Elective (A)	ARCxXX	3	1	4	0	5	-
Program Elective (B)	ARCxXX	2	1	2	0	3	-
Total		18	7	21	0	28	

Level 4 - 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Interior Specs & BOQs	ARC475	2	1	2	0	3	ARC372 or ARC474
Graduation Project	ARC492	5	1	7	0	8	ARC491
Program Elective (A)	ARCxXX	3	1	4	0	5	-
Program Elective (A)	ARCxXX	3	1	4	0	5	-
Program Elective (B)	ARCxXX	2	1	2	0	3	-
Faculty Elective	FAC E1	2	2	0	0	2	-
University Elective 3	UNV E3	2	2	0	0	2	
Total		19	9	19	0	28	

Structural Engineering and Construction Management Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Calculus I	EMP113	3	2	2	0	4	-
Physics I	EMP123	3	2	2	1	5	-
Engineering Mechanics	EMP131	3	2	2	0	4	-
Engineering Drawing	EMP141	2	1	3	0	4	-
General Chemistry	EMP151	3	2	1	2	5	-
English KET	ENG KET	2	2	0	0	2	-
University Elective 1	UNV E1	2	2	0	0	2	-
Total		18	13	10	3	26	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Computer Programming	EED161	3	2	1	2	5	-
Calculus II	EMP114	3	2	2	0	4	EMP113
Probability & Statistics	EMP115	3	2	2	0	4	EMP113
Physics II	EMP124	3	2	2	1	5	-
English PET	ENG PET	2	2	0	0	2	ENG KET
Production Technology	MEC151	2	1	0	3	4	-
University Elective 2	UNV E2	2	2	0	0	2	-
Total		18	13	7	6	26	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Differential Equations	EMP213	3	2	2	0	4	EMP114
Waves and Vibrations	EMP225	3	2	1	1	4	EMP123
Structural Analysis 1	SCM211	3	2	2	0	4	EMP131
Strength and Technology of Materials 1	SCM221	3	2	1	1	4	-
Planimetric Surveying	SCM231	3	2	1	1	4	-
Civil Engineering Drawing	SCM291	3	1	4	0	5	EMP141
Total		18	11	11	3	25	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Fundamentals of Fluid Science	MEC232	3	2	2	1	5	EMP123
Structural Mechanics 1	SCM213	3	2	2	0	4	SCM211
Strength and Technology of Materials 2	SCM222	3	2	2	1	5	SCM221
Construction Project Management	SCM282	4	3	3	0	6	-
Prog. Elective -1	SCME01	3	2	2	0	4	-
Human Rights	PSC110	2	2	0	0	2	-
Total		18	13	11	2	26	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN211	Practical Training 1	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 54 CH

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Geology	EMP371	3	2	2	1	5	-
Structural Analysis 2	SCM312	3	2	2	0	4	SCM211
Environmental & Sanitary Engineering	SCM341	3	2	2	0	4	MEC232
Fund. of Reinforced Concrete Design	SCM351	3	2	2	0	4	SCM213
Fund. of Metallic Structures Design	SCM361	3	2	2	0	4	SCM213
Prog. Elective -2	SCME02	3	2	2	0	4	-
Total		18	12	12	1	25	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Structural Mechanics 2	SCM314	3	2	2	0	4	SCM213
Reinforced Concrete Slabs	SCM352	3	2	2	0	4	SCM351
Soil Mechanics	SCM372	3	2	2	1	5	EMP371
Engineering Economics and Finance	SCM382	3	2	2	0	4	-
Construction Engineering Contracts	SCM383	3	2	2	0	4	SCM282
Prog. Elective -3	SCME03	3	2	2	0	4	-
Total		18	13	11	2	26	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN311	Practical Training 2	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 90 CH

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Faculty Elective 1	FAC E01	2	2	0	0	2	-
Transport Planning & Traffic Engineering	SCM433	3	2	3	0	5	-
Foundations	SCM473	3	2	2	0	4	SCM372
Introduction to BIM	SCM484	3	2	3	0	5	SCM282
Graduation Project-1	SCM491	2	1	0	3	4	As advised
Prog. Elective -4	SCME04	3	2	2	0	4	-
University Elective 3	UNV E3	2	2	0	0	2	-
Total		18	13	10	1	24	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Numerical Analysis	EMP411	3	2	2	0	4	EMP114
Highway and Airport Engineering	SCM434	3	2	2	0	4	SCM433
Health, Safety & Risk Management in Construction	SCM485	3	2	2	0	4	SCM282
Quantity Surveying and Cost Estimation	SCM486	3	2	2	0	4	-
Graduation Project-2	SCM492	3	1	0	6	7	SCM491
Prog. Elective -5	SCME05	3	2	2	0	4	-
Total		18	11	10	6	27	

Petroleum Engineering Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Calculus I	EMP113	3	2	2	0	4	-
Physics I	EMP123	3	2	2	1	5	-
Engineering Mechanics	EMP131	3	2	2	0	4	-
Engineering Drawing	EMP141	2	1	3	0	4	-
General Chemistry	EMP151	3	2	1	2	5	-
English KET	ENG KET	2	2	0	0	2	-
University Elective 1	UNV E1	2	2	0	0	2	-
Total		18	13	10	3	26	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Computer Programming	EED161	3	2	1	2	5	-
Calculus II	EMP114	3	2	2	0	4	EMP113
Probability & Statistics	EMP115	3	2	2	0	4	EMP113
Physics II	EMP124	3	2	2	1	5	-
English PET	ENG PET	2	2	0	0	2	ENG KET
Production Technology	MEC151	2	1	0	3	4	-
University Elective 2	UNV E2	2	2	0	0	2	-
Total		18	13	7	6	26	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Differential Equations	EMP213	3	2	2	0	4	-
Fundamentals of Fluid Science	MEC232	3	2	2	1	5	EMP123
Mechanical Eng. Drawing	MEC253	2	1	0	3	4	EMP141
Material Science and Stress Analysis	MEC254	3	2	2	0	4	-
Introduction to Petroleum Eng.	PET211	3	2	3	0	5	-
General Geology	PET241	2	2	0	0	2	-
Human Rights	PSC 110	2	2	0	0	2	-
Total		18	13	9	4	26	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Electrical Engineering	EED217	3	2	2	0	4	EMP124
Organic Chemistry	EMP251	3	2	1	2	5	EMP151
Faculty Elective	FAC E1	2	2	0	0	2	-
Thermodynamics	MEC231	3	2	2	1	5	EMP123
Drilling Engineering I	PET212	3	2	2	1	5	PET211
Structural Geology and Sedimentology	PET242	3	2	2	0	4	PET241
University Elective 3	UNV E3	2	2	0	0	2	-
Total		19	14	9	4	27	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN211	Practical Training 1	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 54 CH

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Fundamentals of Heat Transfer	MEC344	3	2	2	0	4	-
Drilling Engineering II	PET314	3	2	2	1	5	PET212
Production Optimization and Well Performance	PET321	3	2	2	0	4	PET211
Reservoir Rock and Fluids Properties	PET331	3	2	2	1	5	PET211
Petroleum Geology and Exploration	PET343	3	2	2	0	4	PET242
Petroleum Refining and Petrochemical Engineering	PET351	3	2	2	0	4	EMP251
Total		18	12	12	2	26	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Artificial Lift Technology	PET322	3	2	2	0	4	PET321
Well Completion and Workover	PET324	3	2	2	0	4	PET314
Petroleum Reservoir Engineering	PET332	3	2	2	0	4	PET331
Formation Evaluation with Well Logging	PET333	3	2	2	1	5	PET331
Natural Gas Engineering and Processing	PET352	3	2	2	0	4	-
Economics and Agreements	PET361	3	2	2	0	4	-
Total		18	12	12	1	25	

Summer Training

No	Course		Contact Hours	CH	Prerequisite Courses
	Code	Title			
1	GEN311	Practical Training 2	75 Training Hours (3 Weeks × 25 hrs/Week)	0	Completion of 90 CH

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Sustainable and Renewable Energy Sources	MEC349	3	2	2	0	4	-
Dept. Elective A1	PET A1	3	2	2	0	4	-
Dept. Elective B1	PET B1	3	2	2	0	4	-
Well Testing Analysis	PET433	3	2	2	0	4	PET332
Reservoir Simulation	PET434	3	2	2	1	5	PET332
Graduation Project 1	PET498	2	1	0	3	4	Approval
Total		17	11	10	4	25	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours				Prerequisite
			Lect.	Tut	Lab	Total	
Machine Learning and Pattern Recognition	EED372	3	2	1	2	5	EMP115
Dept. Elective A2	PET A2	3	2	2	0	4	PET314
Dept. Elective B2	PET B2	3	2	2	0	4	-
Dept. Elective C1	PET C1	3	2	2	0	4	-
Enhanced Oil Recovery	PET435	3	2	2	0	4	-
Graduation Project 2	PET499	3	1	0	6	7	PET498
Total		18	11	9	8	28	

Faculty of Computers & Information Technology

Artificial intelligence program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
English - 1	ENG101	2	2	0	2	
Calculus	BMT111	3	2	2	4	
Discrete Mathematics	BMT112	3	2	2	4	
Physics	BPH111	3	2	2	4	
Computing Fundamentals	CSC111	3	2	2	4	
Human Rights	PSC110	2	2	0	2	
Total		16	12	8	20	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
English - 2	ENG102	2	2	0	2	ENG101
Differential Equations	BMT121	3	2	2	4	BMT111
Structured Programming	CSC121	3	2	3	5	CSC111
Communication Skills and Report Writing	CPS121	2	0	4	4	ENG101
Probability and Statistics	BMT122	3	2	2	4	BMT111
Logic Design	CSC122	3	2	2	4	BMT112
Total		16	10	13	23	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Ethics and Social Impacts of Computing	CPS211	2	2	0	2	
Object Oriented Programming	CSC211	3	2	3	5	CSC121
Advanced Physics	BPH211	3	2	2	4	BPH111
Linear Algebra	BMT212	3	2	2	4	BMT121
University Elective	-	2	2	0	2	
Advanced Probability and Statistics	BMT211	3	2	2	4	BMT122
Total		16	12	9	21	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Advanced Programming	CSC221	3	2	2	4	CSC211
Data Structures	CSC222	3	2	3	5	CSC211
Software Engineering -1	CSC223	3	2	2	4	CSC211
Computer Networks	CSS221	3	2	2	4	CSC111 BMT112
Database Systems -1	ISI222	3	2	2	4	CSC121
Total		15	10	11	21	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Modeling and Simulation	ISI311	3	2	2	4	BMT122
Artificial Intelligence Fundamentals	CSA311	3	2	2	4	CSC211
Computers and Information Security	CSS312	3	2	2	4	CSS221
Operating Systems - 1	CSC311	3	2	2	4	CSC211
Analysis and Design of Algorithms	CSC312	3	2	2	4	CSC222
Image Processing	CSA313	3	2	2	4	BMT212 CSC121
Total		18	12	12	24	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Computer Architecture	CSC323	3	2	2	4	CSC122
Machine learning	CSA321	3	2	2	4	BMT122 CSA311
Reasoning and Agents	CSA322	3	2	2	4	CSA311
Computer Vision	CSA423	3	2	2	4	CSA313 CSA311
Artificial Intelligence Applications	CSA323	3	2	2	4	CSA311
Processing of Formal and Natural Language	CSA324	3	2	2	4	CSA311
Total		18	12	12	24	

Level 3 – Summer training

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Summer Training	TR333	3	At least 12 hours per week for six weeks			70 ساعة

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Project - 1	PR498	3	1	4	5	CSC223
Neural Networks and Deep Learning	CSA411	3	2	2	4	BMT121 CSA311
Embedded Systems	CSC412	3	2	2	4	CSC323
AI Program Elective - 1		3	2	2	4	
AI Program Elective - 2		3	2	2	4	
Total		15	9	12	21	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Project - 2	PR499	3	1	4	5	PR498
Reinforcement Learning	CSA424	3	2	2	4	CSA321
Intelligent Autonomous Robotics	CSA422	3	2	2	4	CSC421
AI Program Elective - 3		3	2	2	4	
AI Program Elective - 4		3	2	2	4	
Total		15	9	12	21	

Cyber security program

Level 1 – 1st semester

Level 1 – 1 st semester Level 1 – 1 st semester Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
English - 1	ENG101	2	2	0	2	
Calculus	BMT111	3	2	2	4	
Discrete Mathematics	BMT112	3	2	2	4	
Physics	BPH111	3	2	2	4	
Computing Fundamentals	CSC111	3	2	2	4	
Human Rights	PSC110	2	2	0	2	
Total		16	12	8	20	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
English - 2	ENG102	2	2	0	2	ENG101
Differential Equations	BMT121	3	2	2	4	BMT111
Structured Programming	CSC121	3	2	3	5	CSC111
Communication Skills and Report Writing	CPS121	2	0	4	4	ENG101
Probability and Statistics	BMT122	3	2	2	4	BMT111
Logic Design	CSC122	3	2	2	4	BMT112
Total		16	10	13	23	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Ethics and Social Impacts of Computing	CPS211	2	2	0	2	-
Object Oriented Programming	CSC211	3	2	3	5	CSC121
Number theory	BMT213	3	2	2	4	BMT112
Linear Algebra	BMT212	3	2	2	4	BMT121
Elective	-	2	2	0	2	-
Advanced Probability and Statistics	BMT211	3	2	2	4	BMT122
Total		16	12	9	21	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Advanced Programming	CSC221	3	2	2	4	CSC211
Data Structures	CSC222	3	2	3	5	CSC211
Software Engineering -1	CSC223	3	2	2	4	CSC211
Computer Networks	CSS221	3	2	2	4	CSC111 BMT112
Database Systems -1	ISI222	3	2	2	4	CSC121
Total		15	10	11	21	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Cyber Security Fundamentals	CSS311	3	2	2	4	CSS221
Artificial Intelligence Fundamentals	CSA311	3	2	2	4	CSC211
Computers and Information Security	CSS312	3	2	2	4	CSS221
Operating Systems - 1	CSC311	3	2	2	4	CSC211
Advanced Computer Networks	CSS313	3	2	2	4	CSS221
Analysis and Design of Algorithms	CSC312	3	2	2	4	CSC222
Total		18	12	12	24	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Cryptography and Network Security	CSS321	3	2	2	4	BMT213 CSS312
Web Applications Development	CSC326	3	0	6	6	CSC211 ISI222
Software Security	CSS322	3	2	2	4	CSC221 CSS312
Security Threats and Risk Analysis	CSS323	3	2	2	4	CSS311
Ethical Hacking and Penetration Testing	CSS324	3	2	2	4	CSS313
Cyber Security Program Elective - 1		3	2	2	4	
Total		18	10	16	26	

Summer Training

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Summer Training	TR333	3	At least 12 hours per week for six weeks			70 ساعة

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Project - 1	PR498	3	1	4	5	CSC223
Cloud Computing	CSC411	3	2	2	4	CSC223 S CSS221
Digital Forensics	CSS411	3	2	2	4	CSS322
Cyber Security Program Elective - 2		3	2	2	4	
Cyber Security Program Elective - 3		3	2	2	4	
Total		15	9	12	21	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Project - 2	PR499	3	9	12	21	PR498
Mobile and Wireless Security	CSS421	3	9	12	21	CSS321
Cyber Security Incident Detection and Response	CSS422	3	9	12	21	CSS323
Cyber Security Program Elective - 4		3	9	12	21	
Cyber Security Program Elective - 5		3	9	12	21	
Total		15	9	12	21	

Data Science Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
English - 1	ENG101	2	2	0	2	
Calculus	BMT111	3	2	2	4	
Discrete Mathematics	BMT112	3	2	2	4	
Physics	BPH111	3	2	2	4	
Computing Fundamentals	CSC111	3	2	2	4	
Human Rights	PSC110	2	2	0	2	
Total		16	12	8	20	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
English - 2	ENG102	2	2	0	2	ENG101
Differential Equations	BMT121	3	2	2	4	BMT111
Structured Programming	CSC121	3	2	3	5	CSC111
Communication Skills and Report Writing	CPS121	2	0	4	4	ENG101
Probability and Statistics	BMT122	3	2	2	4	BMT111
Logic Design	CSC122	3	2	2	4	BMT112
Total		16	10	13	23	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Ethics and Social Impacts of Computing	CPS211	2	2	0	2	-
Object Oriented Programming	CSC211	3	2	3	5	CSC121
Fundamentals of Data Science	ISD211	3	2	2	4	CSC111
Linear Algebra	BMT212	3	2	2	4	BMT121
Elective	-	2	2	0	2	-
Advanced Probability and Statistics	BMT211	3	2	2	4	BMT122
Total		16	12	9	21	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Advanced Programming	CSC221	3	2	2	4	CSC211
Data Structures	CSC222	3	2	3	5	CSC211
Software Engineering -1	CSC223	3	2	2	4	CSC211
Computer Networks	CSS221	3	2	2	4	CSC111 BMT112
Database Systems -1	ISI222	3	2	2	4	CSC121
Total		15	10	11	21	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Modeling and Simulation	ISI311	3	2	2	4	BMT122
Artificial Intelligence Fundamentals	CSA311	3	2	2	4	CSC211
Computers and Information Security	CSS312	3	2	2	4	CSS221
Operating Systems – 1	CSC311	3	2	2	4	CSC211
Analysis and Design of Algorithms	CSC312	3	2	2	4	CSC222
Data Wrangling and Knowledge Discovery	ISD311	3	2	2	4	ISI222
Total		18	12	12	24	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Computational Statistics and Data Analysis	ISD321	3	2	2	4	11BMT2
Theory and Practice of Data Analysis	ISD322	3	2	2	4	CSA311
Machine Learning	CSA321	3	2	2	4	BMT122 CSA311
Web Applications Development	CSC326	3	0	6	6	CSC211 ISI222
Data Science Program Elective - 1		3	2	2	4	
Data Science Program Elective - 2		3	2	2	4	
Total		18	10	16	26	

Summer Training

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Summer Training	TR333	3	At least 12 hours per week for six weeks			70 ساعة

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Neural Networks and Deep Learning	CSA411	3	1	4	5	BMT121 CSA311
Big Data Analytics	ISD411	3	2	2	4	ISD311 ISD 211
Applied Regression Methods	ISD412	3	2	2	4	BMT212 BMT211
Cloud Computing	CSC411	3	2	2	4	CSC223 CSS221
Project - 1		3	2	2	4	CSC223
Total		15	9	12	21	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Data Visualization & Exploration	ISD421	3	1	4	5	ISD322
Applied Multivariate Analysis	ISD422	3	2	2	4	ISD322
Data Science Program Elective - 3		3	2	2	4	
Data Science Program Elective - 4		3	2	2	4	
Project - 2	PR499	3	2	2	4	PR498
Total		15	9	12	21	

Computer Science Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
English - 1	ENG101	2	2	0	2	
Calculus	BMT111	3	2	2	4	
Discrete Mathematics	BMT112	3	2	2	4	
Physics	BPH111	3	2	2	4	
Computing Fundamentals	CSC111	3	2	2	4	
Human Rights	PSC110	2	2	0	2	
Total		16	12	8	20	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
English - 2	ENG102	2	2	0	2	ENG101
Differential Equations	BMT121	3	2	2	4	BMT111
Structured Programming	CSC121	3	2	3	5	CSC111
Communication Skills and Report Writing	CPS121	2	0	4	4	ENG101
Probability and Statistics	BMT122	3	2	2	4	BMT111
Logic Design	CSC122	3	2	2	4	BMT112
Total		16	10	13	23	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Ethics and Social Impacts of Computing	CPS211	2	2	0	2	-
Object Oriented Programming	CSC211	3	2	3	5	CSC121
Advanced Physics	BPH211	3	2	2	4	BPH111
Linear Algebra	BMT212	3	2	2	4	BMT121
Elective	-	2	2	0	2	-
Advanced Probability and Statistics	BMT211	3	2	2	4	BMT122
Total		16	12	9	21	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Advanced Programming	CSC221	3	2	2	4	CSC211
Data Structures	CSC222	3	2	3	5	CSC211
Software Engineering -1	CSC223	3	2	2	4	CSC211
Computer Networks	CSS221	3	2	2	4	CSC111 BMT112
Database Systems -1	ISI222	3	2	2	4	CSC121
Total		15	10	11	21	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Modeling and Simulation	ISI311	3	2	2	4	BMT122
Artificial Intelligence Fundamentals	CSA311	3	2	2	4	CSC211
Computers and Information Security	CSS312	3	2	2	4	CSS221
Operating Systems – 1	CSC311	3	2	2	4	Operating Systems
Analysis and Design of Algorithms	CSC312	3	2	2	4	CSC222
Software Engineering – 2	CSC313	3	2	2	4	CSC223
Total		18	12	12	24	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Web Applications Development	CSC326	3	0	6	6	CSC211 ISI222
Operating Systems - 2	CSC322	3	2	2	4	CSC311
Computer Architecture	CSC323	3	2	2	4	CSC122
Theory of Computations	CSC324	3	2	2	4	BMT112
Computer Organization and Assembly Language	CSC325	3	2	2	4	CSC121 CSC122
Elective		3	2	2	4	
Total		18	10	16	26	

Summer training

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Summer Training	TR333	3	At least 12 hours per week for six weeks			70 ساعة

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Project - 1	PR498	3	1	4	5	CSC223
Cloud Computing	CSC411	3	2	2	4	CSC223 CSS221
Embedded Systems	CSC412	3	2	2	4	CSC323
Elective		3	2	2	4	
Elective		3	2	2	4	
Total		15	9	12	21	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Project - 2	PR499	3	1	4	5	PR498
Computer Graphics	DMT323	3	2	2	4	BMT212
Concepts of Programming Languages	CSC422	3	2	2	4	CSC221
Elective		3	2	2	4	
Elective		3	2	2	4	
Total		15	9	12	21	

Information Systems Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
English - 1	ENG101	2	2	0	2	
Calculus	BMT111	3	2	2	4	
Discrete Mathematics	BMT112	3	2	2	4	
Physics	BPH111	3	2	2	4	
Computing Fundamentals	CSC111	3	2	2	4	
Human Rights	PSC110	2	2	0	2	
Total		16	12	8	20	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
English - 2	ENG102	2	2	0	2	ENG101
Differential Equations	BMT121	3	2	2	4	BMT111
Structured Programming	CSC121	3	2	3	5	CSC111
Communication Skills and Report Writing	CPS121	2	0	4	4	ENG101
Probability and Statistics	BMT122	3	2	2	4	BMT111
Logic Design	CSC122	3	2	2	4	BMT112
Total		16	10	13	23	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Ethics and Social Impacts of Computing	CPS211	2	2	0	2	-
Object Oriented Programming	CSC211	3	2	3	5	CSC121
Introduction to Information Systems	ISI211	3	2	2	4	CSC111
Linear Algebra	BMT212	3	2	2	4	BMT121
Elective	-	2	2	0	2	-
Advanced Probability and Statistics	BMT211	3	2	2	4	BMT122
Total		16	12	9	21	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Advanced Programming	CSC221	3	2	2	4	CSC211
Data Structures	CSC222	3	2	3	5	CSC211
Software Engineering -1	CSC223	3	2	2	4	CSC211
Computer Networks	CSS221	3	2	2	4	CSC111 BMT112
Database Systems -1	ISI222	3	2	2	4	CSC121
Total		15	10	11	21	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Modeling and Simulation	ISI311	3	2	2	4	BMT122
Artificial Intelligence Fundamentals	CSA311	3	2	2	4	CSC211
Computers and Information Security	CSS312	3	2	2	4	CSS221
Systems Analysis and Design – 1	ISI312	3	2	2	4	ISI211
Analysis and Design of Algorithms	CSC312	3	2	2	4	CSC222
Operating systems – 1	1CSC31	3	2	2	4	CSC211
Total		18	12	12	24	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Web Applications Development	CSC326	3	0	6	6	CSC211 ISI222
Database Systems - 2	ISI321	3	2	2	4	ISI222
Information Storage and Retrieval	ISI322	3	2	2	4	ISI222
Geographical Information Systems	ISI323	3	2	2	4	ISI222
Software Project Management	ISI324	3	2	2	4	CSC223
Information Systems Program Elective - 1		3	2	2	4	
Total		18	10	16	26	

Summer training

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Summer Training	TR333	3	At least 12 hours per week for six weeks			70 ساعة

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Project - 1	PR498	3	1	4	5	CSC223
Management Information Systems	ISI411	3	2	2	4	ISI222
Data Mining and Data Warehousing	ISI412	3	2	2	4	ISI321
Enterprise Resource Planning	ISI413	3	2	2	4	ISI222
Information Systems Program Elective - 2		3	2	2	4	
Total		15	9	12	21	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Project - 2	PR499	3	1	4	5	PR498
Decision Support Systems	ISI421	3	2	2	4	ISI321
Business Intelligence	ISI422	3	2	2	4	ISI412
Information Systems Program Elective - 3		3	2	2	4	
Information Systems Program Elective - 4		3	2	2	4	
Total		15	9	12	21	

Digital Media Technology Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
English - 1	ENG101	2	2	0	2	
Calculus	BMT111	3	2	2	4	
Discrete Mathematics	BMT112	3	2	2	4	
Physics	BPH111	3	2	2	4	
Computing Fundamentals	CSC111	3	2	2	4	
Human Rights	PSC110	2	2	0	2	
Total		16	12	8	20	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
English - 2	ENG102	2	2	0	2	ENG101
Differential Equations	BMT121	3	2	2	4	BMT111
Structured Programming	CSC121	3	2	3	5	CSC111
Communication Skills and Report Writing	CPS121	2	0	4	4	ENG101
Probability and Statistics	BMT122	3	2	2	4	BMT111
Logic Design	CSC122	3	2	2	4	BMT112
Total		16	10	13	23	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Ethics and Social Impacts of Computing	CPS211	2	2	0	2	
Object Oriented Programming	CSC211	3	2	3	5	CSC121
Introduction to Media Technology	DMT212	3	2	2	4	CSC111
Linear Algebra	BMT212	3	2	2	4	BMT121
Elective	-	2	2	0	2	
Advanced Probability and Statistics	BMT211	3	2	2	4	BMT122
Total		16	12	9	21	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Advanced Programming	CSC221	3	2	2	4	CSC211
Data Structures	CSC222	3	2	3	5	CSC211
Software Engineering -1	CSC223	3	2	2	4	CSC211
Computer Networks	CSS221	3	2	2	4	CSC111 BMT112
Database Systems -1	ISI222	3	2	2	4	CSC121
Total		15	10	11	21	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Modeling and Simulation	ISI311	3	2	2	4	BMT122
Artificial Intelligence Fundamentals	CSA311	3	2	2	4	CSC211
Computers and Information Security	CSS312	3	2	2	4	CSS221
Digital Signal Processing	DMT311	3	2	2	4	BMT121
Analysis and Design of Algorithms	CSC312	3	2	2	4	CSC222
Operating systems - 1	1CSC31	3	2	2	4	CSC211
Total		18	12	12	24	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Web Applications Development	CSC326	3	0	6	6	CSC211 ISI222
Video and Audio Technology	DMT322	3	2	2	4	DMT311
Computer Graphics	DMT323	3	2	2	4	BMT212
Introduction to 2D animation	DMT324	3	2	2	4	DM 212
Character Design for Film and Games	DMT325	3	2	2	4	DMT 212
User Experience Design	DMT326	3	2	2	4	CSC223
Total		18	10	16	26	

Summer training

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Summer Training	TR333	3	At least 12 hours per week for six weeks			ساعة 70

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Project - 1	PR498	3	1	4	5	CSC223
Introduction to 3D animation	DMT411	3	2	2	4	DMT324
Game Development	DMT412	3	2	2	4	CSA311 DMT324
Digital Media Technology Program Elective-1		3	2	2	4	
Digital Media Technology Program Elective-2		3	2	2	4	
Total		15	9	12	21	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Project - 2	PR499	3	1	4	5	PR498
Virtual Reality	DMT422	3	2	2	4	CSC211
Augmented Reality	DMT422	3	2	2	4	
Digital Media Technology Program Elective3		3	2	2	4	
Digital Media Technology Program Elective4		3	2	2	4	
Total		15	9	12	21	

Faculty of Economics & Political Science

Political Mass Media program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Introduction to Computer	CSC 101	2	2	0	2	
Principles of Economics I (Microeconomics)	ECO 101	3	3	2	5	
Key English Test	KET	2	2	0	2	
Introduction to Mathematics	MTH 101	3	3	0	3	
Introduction to Public Administration	PAD 101	3	3	2	5	
Introduction to Political Science I	PSC 102	3	3	2	5	
Human Rights	PSC 110	2	2	0	2	
Total		18	18	6	24	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Principles of Economics II (Macroeconomics)	ECO 102	3	3	2	5	
Preliminary English Test	PET	2	2	0	2	ENG101
Principles of law	LAW101	3	3	0	3	
Introduction to Mass Media	PMM 101	3	3	2	5	
Introduction to Political Science II	PSC 102	3	3	2	5	
Introduction to Statistics	STS 101	3	3	0	3	
University Elective		2	2	0	2	
Total		19	19	6	25	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Theory of Comparative Politics	PSC 200	3	3	0	3	PSC 101 PSC 102
Research Methodology	REM 201	3	3	0	3	
Money and Banking	ECO 202	3	3	0	3	ECO 101 ECO 102
International Relations Theory	PSC 202	3	3	0	3	PSC 101 PSC 102
Theories of Mass Communications	PMM 201	3	3	0	3	PMM 101
University Elective		2	2	0	2	
Total		17	17	0	0	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Evolution of Arab and Western Political Thought	PSC 201	3	3	0	3	PSC 101 PSC 102
History of Journalism	PMM 203	3	3	0	3	PMM 101
International Economics	ECO 203	3	3	0	3	ECO 101 ECO 102
Public Opinion	PMM 202	3	3	0	3	PMM 101
Mass Media Law, Religion and Ethics	PMM 206	3	3	0	3	PMM 101
Faculty Elective		3	3	0	3	
Total		18	18	0	18	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Public Policy Analysis	PAD 301	3	3	0	3	PAD 101
International Organizations	PSC 302	3	3	0	3	PSC 101 PSC 102
The Industry and Economics of Media	PMM 304	3	3	0	3	PMM 101 ECO 101 ECO 102
News Crafting	PMM 403	3	3	2	5	PMM 206
Faculty Elective		3	3	0	3	
Department Elective		3	3	0	3	
Total		18	18	2	20	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Public Opinion and Policy Making	PMM 307	3	3	-	3	PAD 101
Media Governance and Public Diplomacy	PMM 309	3	3	-	3	PMM 101
Conducting Interviews: The Art and Science	PMM 406	3	3	2	5	PMM 206
Content Analysis of Political Discourse	PSC 310	3	3	-	3	REM 201 PSC 101 PSC 102 PMM 101
Specialized Writing	REM 302	3	3	-	3	REM 201
Department Elective		3	3	-	3	
Total		18	18	2	20	

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Media Practice I (Audio)	PMM 402	3	3	2	5	PMM 101
Media Practice II (Video)	PMM 405	3	3	2	5	PMM 101
Opinion, Feature, and Analysis Writing	PMM 407	3	3	2	5	PMM 206
Investigative Reporting	PMM 409	3	3	2	5	PMM 206
Department Elective		3	3	0	3	
Department Elective		3	3	0	3	
Total		18	18	8	26	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Honor Thesis/Graduation Project	REM 401	3	3	0	3	REM 201 REM 302
Diplomatic and Consular Systems	PSC 404	3	3	0	3	PSC 202
Egyptian Foreign Policy	PSC 406	3	3	0	3	PSC 101 PSC 102
Editing and Design	PMM 408	3	3	2	5	PMM 206
Department Elective		3	3	0	3	
Total		15	15	2	17	

Economics program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Introduction to Computer	CSC 101	2	2	0	2	
Principles of Economics I (Microeconomics)	ECO 101	3	3	2	5	
Key English Test	KET	2	2	0	2	
Introduction to Mathematics	MTH 101	3	3	0	3	
Introduction to Public Administration	PAD 101	3	3	2	5	
Introduction to Political Science I	PSC 102	3	3	2	5	
Human Rights	PSC 110	2	2	0	2	
Total		18	18	6	24	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Principles of Economics II (Macroeconomics)	ECO 102	3	3	2	5	
Preliminary English Test	PET	2	2	0	2	ENG 101
Principles of law	LAW 100	3	3	0	3	
Introduction to Mass Media	PMM 101	3	3	2	5	
Introduction to Political Science II	PSC 102	3	3	2	5	
Introduction to Statistics	STS 101	3	3	0	3	
University Elective		2	2	0	2	
Total		19	19	6	25	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Microeconomics Theory	ECO 200	3	3	2	5	ECO 101 ECO 102
Money and Banking	ECO 202	3	3	0	3	ECO 101 ECO 102
Mathematical Economics	MTH 210	3	2	2	4	MTH 101
Economic Development	ECO 209	3	3	0	3	ECO 101 ECO 102
Research Methodology	REM 201	3	3	0	3	
University Elective		2	2	0	2	
Total		17	16	4	20	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Macroeconomics Theory	ECO 201	3	3	2	5	ECO 101 ECO 102
International Economics	ECO 203	3	3	0	3	ECO 101 ECO 102
Public Opinion	PMM 202	3	3	0	3	PMM 101
Principles of Financial Accounting	ACC 201	3	3	0	3	
Human Resources Management	PAD 202	3	3	0	3	PAD 101
Faculty Elective		3	3	0	3	
Total		18	18	2	20	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Public Finance	ECO 301	3	3	0	3	ECO 101 ECO 102
Financial Economics	ECO 310	3	3	0	3	ECO 202
International Organizations	PSC 302	3	3	0	3	PSC 101 PSC 102
Public Policy Analysis	PAD 301	3	3	0	3	PAD 101
Faculty Elective		3	3	0	3	
Department Elective		3	3	0	3	
Total		18	18	0	18	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
International Finance	ECO 302	3	3	0	3	ECO 202 ECO 203
Energy Economics	ECO 306	3	3	0	3	ECO 101 ECO 102
Specialized Writing	REM 302	3	3	0	3	REM 201
Political Development	PSC 303	3	3	0	3	PSC 101 PSC 102
Applied Statistics	STS 311	3	3	0	3	STS 101
Department Elective		3	3	0	3	
Total		18	18	0	18	

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
History of Economic Thought	ECO 400	3	3	0	3	ECO 200 ECO 201
Econometrics	ECO 402	3	3	2	5	STS 311
Public Projects Management and Organization	PAD 400	3	3	0	3	PAD 101
National Accounting	ACC 401	3	3	0	3	ACC 201
Managerial Economics	ECO 406	3	3	0	3	ECO 101 ECO 102
Department Elective		3	3	0	3	
Total		18	18	2	20	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Feasibility Studies	ECO 403	3	3	0	3	ECO 200 ECO 201
Media Governance and Public Diplomacy	PMM 309	3	3	0	3	PMM 101
Honor Thesis	REM 401	3	3	0	3	REM 201 REM 302
Department Elective		3	3	0	3	
Department Elective		3	3	0	3	
Total		15	15	0	15	

Public Administration program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Introduction to Computer	CSC 101	2	2	0	2	
Principles of Economics I (Microeconomics)	ECO 101	3	3	2	5	
Key English Test	KET	2	2	0	2	
Introduction to Mathematics	MTH 101	3	3	0	3	
Introduction to Public Administration	PAD 101	3	3	2	5	
Introduction to Political Science I	PSC 102	3	3	2	5	
Human Rights	PSC 110	2	2	0	2	
Total		18	18	6	24	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Principles of Economics II (Macroeconomics)	ECO 102	3	3	2	5	
Preliminary English Test	PET	2	2	0	2	ENG101
Principles of law	LAW 100	3	3	0	3	
Introduction to Mass Media	PMM 101	3	3	2	5	
Introduction to Political Science II	PSC 102	3	3	2	5	
Introduction to Statistics	STS 101	3	3	0	3	
University Elective		2	2	0	2	
Total		19	19	6	25	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Theory of Comparative Politics	PSC 200	3	3	0	3	PSC 101 PSC 102
Money and Banking	ECO 202	3	3	0	3	ECO 101 ECO 102
Research Methodology	REM 201	3	3	0	3	
Comparative Local Systems	PAD 203	3	3	0	3	PAD 101
International Public Law	LAW 201	3	3	0	3	LAW 100
University Elective		2	2	0	2	
Total		17	17	0	17	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Public Administration Theory	PAD 200	3	3	2	5	PAD 101
International Economics	ECO 203	3	3	0	3	ECO 101 ECO 102
Public Opinion	PMM 202	3	3	0	3	PMM 101
Human Resources Management	PAD 202	3	3	0	3	PAD 101
Faculty Elective		3	3	0	3	
Faculty Elective		3	3	0	3	
Total		18	18	2	20	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Comparative Public Administration	PAD 300	3	3	0	3	PAD 200
International Organizations	PSC 302	3	3	0	3	PSC 101 PSC 102
Public Policy Analysis	PAD 301	3	3	0	3	PAD 101
Public Finance	ECO 301	3	3	0	3	ECO 101 ECO 102
Administrative Law	LAW 301	3	3	0	3	LAW 100
Department Elective		3	3	0	3	
Total		18	18	0	18	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Organization and Organizational Behavior	PAD 302	3	3	0	3	PAD 101
Local Development	PAD 303	3	3	0	3	PAD 101
Administration and Politics in Egypt	PAD 304	3	3	0	3	PAD 200
Specialized Writing	REM 302	3	3	0	3	REM 201
Applied Statistics	STS 311	3	3	0	3	STS 101
Department Elective		3	3	0	3	
Total		18	18	0	18	

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Public Projects Management and Organization	PAD 400	3	3	0	3	PAD 101
Management of Public Finance	PAD 401	3	3	2	5	ECO 301
International Public Administration	PAD 402	3	3	0	3	PAD 300
Administrative Sociology	PAD 408	3	3	0	3	PAD 101
Department Elective		3	3	0	3	
Department Elective		3	3	0	3	
Total		18	18	2	20	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Ethics of Public Service	PAD 403	3	3	0	3	PAD 301
Egyptian Foreign Policy	PSC 406	3	3	0	3	PSC 101 PSC 102
Honor Thesis	REM 401	3	3	0	3	REM 201 REM 302
Media Governance and Public Diplomacy	PMM 309	3	3	0	3	PMM 101
Department Elective		3	3	0	3	
Total		15	15	0	15	

Political Science program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Introduction to Computer	CSC 101	2	2	0	2	
Principles of Economics I (Microeconomics)	ECO 101	3	3	2	5	
Key English Test	KET	2	2	0	2	
Introduction to Mathematics	MTH 101	3	3	0	3	
Introduction to Public Administration	PAD 101	3	3	2	5	
Introduction to Political Science I	PSC 102	3	3	2	5	
Human Rights	PSC 110	2	2	0	2	
Total		18	18	6	24	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Principles of Economics II (Macroeconomics)	ECO 102	3	3	2	5	
Preliminary English Test	PET	2	2	0	2	ENG 101
Principles of law	LAW 100	3	3	0	3	
Introduction to Mass Media	PMM 101	3	3	2	5	
Introduction to Political Science II	PSC 102	3	3	2	5	
Introduction to Statistics	STS 101	3	3	0	3	
University Elective		2	2	0	2	
Total		19	19	6	25	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Theory of Comparative Politics	PSC 200	3	3	0	3	PSC 101 PSC 102
Money and Banking	ECO 202	3	3	0	3	ECO 101 ECO 102
Research Methodology	REM 201	3	3	0	3	
Comparative Local Systems	PAD 203	3	3	0	3	PAD 101
International Relations Theory	PSC 202	3	3	0	3	PSC 101 PSC 102
University Elective		2	2	0	2	
Total		17	17	0	17	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Evolution of Arab and Western Political Thought	PSC 201	3	3	0	3	PSC 101 PSC 102
International Economics	ECO 203	3	3	0	3	ECO 101 ECO 102
Public Opinion	PMM 202	3	3	0	3	PMM 101
Faculty Elective		3	3	0	3	
Faculty Elective		3	3	0	3	
Department Elective		3	3	0	3	
Total		18	18	0	18	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Political Theory	PSC 300	3	3	2	5	PSC 101 PSC 102
Western Political Systems: Different Contexts	PSC 301	3	3	0	3	PSC 200
International Organizations	PSC 302	3	3	0	3	PSC 101 PSC 102
Public Policy Analysis	PAD 301	3	3	0	3	PAD 101
International Public Law	LAW 201	3	3	0	3	LAW 100
Department Elective		3	3	0	3	
Total		18	18	2	20	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Evolution of International Political Relations	PSC 304	3	3	0	3	PSC 202
Crisis Management	PSC 309	3	3	2	5	PSC 202
Specialized Writing	REM 302	3	3	0	3	REM 201
Applied Statistics	STS 311	3	3	0	3	STS 101
Department Elective		3	3	0	3	
Department Elective		3	3	0	3	
Total		18	18	2	20	

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Foreign Policy Analysis	PSC 400	3	3	0	3	PSC 304
Political Systems in the Arab World	PSC 401	3	3	0	3	PSC 200
Public Projects Management and Organization	PAD 400	3	3	0	3	PAD 101
National Security Theory and Geopolitics	PSC 409	3	3	0	3	PSC 202
Department Elective		3	3	0	3	
Department Elective		3	3	0	3	
Total		18	18	0	18	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Diplomatic and Consular Systems	PSC 404	3	3	0	3	PSC 202
Egyptian Foreign Policy	PSC 406	3	3	0	3	PSC 101/ PSC 102
Honor Thesis	REM 401	3	3	0	3	REM 201/ REM 302
Media Governance and Public Diplomacy	PMM 309	3	3	0	3	PMM 101
Department Elective		3	3	0	3	
Total		15	15	0	15	

Faculty of Commerce & Business Administration

Marketing program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Univ requirement (1)	-	2	2	0	2	
Introduction to Management	MGT101	3	3	0	3	
Introduction to Accounting	ACT101	3	3	1	4	
Introduction to Microeconomics	ECN101	3	3	1	4	
Business Mathematics	MAT101	3	3	1	4	
Univ Requirement (2)	-	2	2	0	2	
Univ requirement (3)	-	2	2	0	2	
Total		18	18	2	20	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Univ requirement (4)	-	2	2	0	2	
Financial Accounting	ACT102	3	3	1	4	ACT101
Organization Behavior	MGT102	3	3	0	3	MGT101
Introduction to Business Statistics	SAT101	3	3	1	4	
Introduction to Macroeconomics	ECN102	3	3	1	4	
Univ Requirement (5)	-	2	2	0	2	
Univ Requirement (6)	-	2	2	0	2	
Total		18	18	3	21	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Corporate Finance (1)	FIN201	3	3	1	4	MGT101
Production and Operations Management	MGT201	3	3	1	4	MGT101
Cost Accounting	ACT201	3	3	1	4	ACT102
Introduction to Management Information Systems	MIS201	3	3	0	3	
Introduction to Marketing	MKT201	3	3	0	3	
Business Law	LAW101	3	3	0	3	
Total		18	18	3	21	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Introduction to Programming	MIS202	3	3	1	4	MIS 201
Research Methodology	REM101	3	3	1	4	
Advanced Statistics	SAT201	3	3	1	4	SAT 101
Money and Banking	ECN201	3	3	1	4	ECN 102
Introduction to Human Resources Management	HRM201	3	3	0	3	MGT101
Total		15	15	4	19	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (1)	-	3	3	-	3	
Services Marketing	MKT 301	3	3	0	3	MKT 201
Consumer Behavior	MKT 302	3	3	0	3	MKT 201
Marketing Research	MKT 303	3	3	1	4	MKT 201
Minor (1)	-	3	3	-	3	
Total		15	15	1	16	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (2)	-	3	3	-	-	
Integrated Marketing Communication	MKT 304	3	3	1	3	MKT 201
International Marketing	MKT 305	3	3	1	4	MKT 303
E-Marketing	MKT 306	3	3	0	3	MKT 201
Minor (2)	-	3	3	-	-	
Total		15	15	2	17	

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (3)	-	3	3	-	3	
Graduation Project 1	GMK401	2	2	0	5	REM 101, SAT201
Strategic management	MGT401	3	3	1	4	MGT 101
Minor (3)	-	3	3	-	3	
Minor (4)		3	3	-	3	
Total		14	14	1	15	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Feasibility studies	MGT 401	3	3	1	4	ECN 101, MGT 101
Graduation Project 2	GMK 402	2	2	0	2	GMK 401
Strategic Marketing	MKT401	3	3	1	4	MKT 201
Sales management	MKT 402	3	3	0	3	MKT 201
Minor (5)		3	3	-	3	
Elective (4)		3	3	-	3	
Total		17	17	2	19	

Management Information Systems program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Univ requirement (1)	-	2	2	0	2	Registration
Introduction to Management	MGT101	3	3	0	3	Registration
Introduction to Accounting	ACT101	3	3	1	4	Registration
Introduction to Microeconomics	ECN101	3	3	1	4	Registration
Business Mathematics	MAT101	3	3	1	4	Registration
Univ Requirement (2)	-	2	2	0	2	Registration
Univ requirement (3)	-	2	2	0	2	Registration
Total		18	18	3	21	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Univ requirement (4)	-	2	2	0	2	
Financial Accounting	ACT102	3	3	1	4	ACT101
Organization Behavior	MGT102	3	3	0	3	MGT101
Introduction to Business Statistics	SAT101	3	3	1	4	
Introduction to Macroeconomics	ECN102	3	3	1	4	
Univ Requirement (5)	-	2	2	0	2	
Univ Requirement (6)	-	2	2	0	2	
Total		18	18	3	21	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Corporate Finance (1)	FIN201	3	3	1	4	MGT101
Production and Operations Management	MGT201	3	3	1	4	MGT101
Cost Accounting	ACT201	3	3	1	4	ACT102
Introduction to Management Information Systems	MIS201	3	3	0	3	
Introduction to Marketing	MKT201	3	3	0	3	
Business Law	LAW101	3	3	0	3	
Total		18	18	3	21	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Introduction to Programming	MIS202	3	3	1	4	MIS 201
Research Methodology	REM101	3	3	1	4	
Advanced Statistics	SAT201	3	3	1	4	SAT 101
Money and Banking	ECN201	3	3	1	4	ECN 102
Introduction to Human Resources Management	HRM201	3	3	0	3	MGT101
Total		15	15	4	19	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (1)	-	3	3	-	3	
Advanced Programming	MIS301	3	3	1	4	MIS 202
E-Commerce	MIS302	3	3	0	3	MIS 201
Data Base Systems	MIS303	3	3	1	4	MIS 201
Minor (1)	-	3	3	-	3	
Total		15	15	2	17	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (2)	-	3	3	-	3	
Advanced Data Base	MIS305	3	3	1	4	MIS 303
System Analysis and Design	MIS306	3	3	1	4	MIS 303
Operating Systems	MIS307	3	3	1	4	MIS 303
Minor (2)	-	3	3	-	-	
Total		15	15	3	18	

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Feasibility Studies	MGT402	3	3	1	4	MGT 101, ECN 101
Graduation Project 1	GIS401	2	2	0	2	REM 101, SAT 201
Decision Support Systems	MIS401	3	3	0	3	MIS201
Minor (3)	-	3	3	-	3	
Minor (4)	-	3	3	-	3	
Total		14	14	1	15	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Strategic Management	MGT401	3	3	1	4	MGT 101
Graduation Project 2	GIS402	2	2	0	2	GIS 401
Computer Networks	MIS402	3	3	0	3	MIS 306
Major Elective (4)	-	3	3	-	3	
Minor (5)	-	3	3	-	3	
Total		14	14	1	15	

Accounting Program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Univ requirement (1)	-	2	2	0	2	Registration
Introduction to Management	MGT101	3	3	0	3	Registration
Introduction to Accounting	ACT101	3	3	1	4	Registration
Introduction to Microeconomics	ECN101	3	3	1	4	Registration
Business Mathematics	MAT101	3	3	1	4	Registration
Univ Requirement (2)	-	2	2	0	2	Registration
Univ requirement (3)	-	2	2	0	2	Registration
Total		18	18	3	21	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Univ requirement (4)	-	2	2	0	2	
Financial Accounting	ACT102	3	3	1	4	ACT101
Organization Behavior	MGT102	3	3	0	3	MGT101
Introduction to Business Statistics	SAT101	3	3	1	4	
Introduction to Macroeconomics	ECN102	3	3	1	4	
Univ Requirement (5)	-	2	2	0	2	
Univ Requirement (6)	-	2	2	0	2	
Total		18	18	3	21	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Corporate Finance (1)	FIN201	3	3	1	4	MGT101
Production and Operations Management	MGT201	3	3	1	4	MGT101
Cost Accounting	ACT201	3	3	1	4	ACT102
Introduction to Management Information Systems	MIS201	3	3	0	3	
Introduction to Marketing	MKT201	3	3	0	3	
Business Law	LAW101	3	3	0	3	
Total		18	18	3	21	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Introduction to Programming	MIS202	3	3	1	4	MIS 201
Research Methodology	REM101	3	3	1	4	
Advanced Statistics	SAT201	3	3	1	4	SAT 101
Money and Banking	ECN201	3	3	1	4	ECN 102
Introduction to Human Resources Management	HRM201	3	3	0	3	MGT101
Total		15	15	4	19	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (1)	-	3	3	-	3	
Auditing	ACT301	3	3	1	4	ACT 102
Intermediate Accounting	ACT302	3	3	1	4	ACT 102
Governmental Accounting	ACT305	3	3	1	4	ACT 102
Minor (1)	-	3	3	-	3	
Total		15	15	3	18	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (2)	-	3	3	-	3	
Advanced Cost Accounting	ACT303	3	3	1	4	ACT 201
Managerial Accounting and budgeting	ACT304	3	3	1	4	ACT 201
Tax Accounting	ACT306	3	3	1	4	ACT 302, LAW101
Minor (2)	-	3	3	-	3	
Total		15	15	3	18	

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (3)	-	3	3	-	3	
Advanced Auditing	ACT401	3	3	1	4	ACT 301, ACT306
Graduation Project 1	GAC401	2	2	-	2	REM 101, SAT201,
Feasibility Studies	MGT402	3	3	1	4	MGT 101, ECN 101
Minor (3)	-	3	3	-	3	
Minor (4)		3	3	-	3	
Total		17	17	2	19	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (4)	-	3	3	-	3	
Specialized Accounting	ACT402	3	3	1	4	ACT 302
Graduation Project 2	GAC402	2	2	-	2	GAC 401
Strategic Management	MGT401	3	3	1	4	MGT 101
Minor (5)	-	3	3	-	3	
Total		14	14	2	16	

Human Resources Management program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Univ requirement (1)	-	2	2	0	2	
Introduction to Management	MGT101	3	3	0	3	
Introduction to Accounting	ACT101	3	3	1	4	
Introduction to Microeconomics	ECN101	3	3	1	4	
Business Mathematics	MAT101	3	3	1	4	
Univ Requirement (2)	-	2	2	-	2	
Univ requirement (3)	-	2	2	0	2	
Total		18	18	3	21	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Univ requirement (4)	-	2	2	0	2	
Financial Accounting	ACT102	3	3	1	4	ACT101
Organization Behavior	MGT102	3	3	0	3	MGT101
Introduction to Business Statistics	SAT101	3	3	1	4	
Introduction to Macroeconomics	ECN102	3	3	1	4	
Univ Requirement (5)	-	2	2	0	2	
Univ Requirement (6)	-	2	2	0	2	
Total		18	18	3	21	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Corporate Finance (1)	FIN201	3	3	1	4	MGT101
Production and Operations Management	MGT201	3	3	1	4	MGT101
Cost Accounting	ACT201	3	3	1	4	ACT102
Introduction to Management Information Systems	MIS201	3	3	0	3	
Introduction to Marketing	MKT201	3	3	0	3	
Business Law	LAW101	3	3	0	3	
Total		18	18	3	21	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Introduction to Programming	MIS202	3	3	1	4	MIS 201
Research Methodology	REM101	3	3	1	4	
Advanced Statistics	SAT201	3	3	1	4	SAT 101
Money and Banking	ECN201	3	3	1	4	ECN 102
Introduction to Human Resources Management	HRM201	3	3	0	3	MGT101
Total		15	15	4	19	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (1)	-	3	3	-	3	
Performance Management	HRM301	3	3	1	4	MGT 101, HRM 201
Recruitment and Selection	HRM302	3	3	0	3	HRM 201
Human Resources Planning	HRM303	3	3	0	3	HRM 201
Minor (1)	-	3	3	-	3	
Total		15	15	1	16	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (2)	-	3	3	-	3	
Training and Development	HRM304	3	3	0	3	HRM 303
International Human Resources Management	HRM305	3	3	0	3	HRM 302, HRM 303
Job Analysis and Design	HRM306	3	3	0	3	HRM 302, HRM 303
Minor (2)	-	3	3	-	3	
Total		15	15	0	15	

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (3)	-	3	3	-	3	
Strategic Management	MGT401	3	3	1	4	MGT 101
Graduation Project 1	GHR401	2	2	0	2	REM 101 SAT 201
Minor (3)	-	3	3	-	3	
Minor (4)		3	3	0	3	
Total		14	14	1	15	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (4)	-	3	3	-	3	
Feasibility Studies	MGT402	3	3	1	4	MGT 101, ECN 101
Graduation Project 2	GHR402	2	2	0	2	GHR 401
Strategic Human Resources Management	HRM401	3	3	1	4	HRM 201, MGT 401
Compensation and Rewards	HRM402	3	3	-	3	HRM 301, MGT 401
Minor (5)	-	3	3	-	3	
Total		17	17	2	19	

Finance program

Level 1 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Univ requirement (1)	-	2	2	0	2	
Introduction to Management	MGT101	3	3	1	4	
Introduction to Accounting	ACT101	3	3	0	3	
Introduction to Microeconomics	ECN101	3	3	1	4	
Business Mathematics	MAT101	3	3	1	4	
Univ Requirement (2)	-	2	2	0	2	
Univ requirement (3)	-	2	2	0	2	
Total		18	18	3	21	

Level 1 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Univ requirement (4)	-	2	2	0	2	
Financial Accounting	ACT102	3	3	1	4	ACT101
Organization Behavior	MGT102	3	3	0	3	MGT101
Introduction to Business Statistics	SAT101	3	3	1	4	
Introduction to Macroeconomics	ECN102	3	3	1	4	
Univ Requirement (5)	-	2	2	0	2	
Univ Requirement (6)	-	2	2	0	2	
Total		18	18	3	21	

Level 2 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Corporate Finance (1)	FIN201	3	3	1	4	MGT101
Production and Operations Management	MGT201	3	3	1	4	MGT101
Cost Accounting	ACT201	3	3	1	4	ACT102
Introduction to Management Information Systems	MIS201	3	3	0	3	
Introduction to Marketing	MKT201	3	3	0	3	
Business Law	LAW101	3	3	0	3	
Total		18	18	3	21	

Level 2 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Introduction to Programming	MIS202	3	3	1	4	MIS 201
Research Methodology	REM101	3	3	1	4	
Advanced Statistics	SAT201	3	3	1	4	SAT 101
Money and Banking	ECN201	3	3	1	4	ECN 102
Introduction to Human Resources Management	HRM201	3	3	0	3	MGT101
Total		15	15	4	19	

Level 3 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (1)	-	3	3	-	3	
Corporate Finance (2)	FIN 301	3	3	1	4	FIN 201
Insurance and Risk Management	MAT 301	3	3	1	4	MAT 101
Bank Management	FIN 302	3	3	1	4	ACT101
Minor (1)	-	3	3	-	3	
Total		15	15	3	18	

Level 3 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (2)	-	3	3	-	3	
Investment and Portfolio Management	FIN 303	3	3	1	4	FIN 201
Financial Institutions	FIN 304	3	3	1	4	MGT 101, FIN 201
Financial Markets	FIN 305	3	3	1	4	FIN 201
Minor (2)	-	3	3	-	3	
Total		15	15	3	18	

Level 4 – 1st semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (3)	-	3	3	-	3	
Financial Statements Analysis	FIN 401	3	3	1	4	ACT 101, FIN301
Graduation Project 1	GFI 401	2	2	0	2	REM 101, SAT 201
Feasibility Studies	MGT402	3	3	1	4	MGT 101 ECN 101
Minor (3)	-	3	3	-	3	
Minor (4)	-	3	3	-	3	
Total		17	17	2	19	

Level 4 – 2nd semester

Course Title	Course Code	Credit Hours	Contact Hours			Prerequisite
			Lect.	Pract./Tut	Total	
Major Elective (4)	-	3	3	-	3	
International Finance	FIN 402	3	3	1	4	FIN 301
Graduation Project 2	GFI 402	2	2	0	2	GFI 401
Strategic Management	MGT401	3	3	1	4	MGT 101
Minor (5)	-	3	3	-	3	
Total		14	14	2	16	