Communication & Computer Engineering

المقررات الدراسية لبرنامج هندسه الاتصالات والحاسبات

Level	Course Name	Course code
000	Mathematics (1)	BAS 011
	Physics (1)	BAS 021
	Mechanics	BAS 031
	Engineering Drawing & Projection	MED 011
	History of Engineering and Technology	MED 021
	English Language(1)	HUM 012
	Mathematics (2)	BAS 012
	Physics (2)	BAS 022
	Engineering Chemistry	BAS 041
	Principles of Manufacturing Engineering	MED 022
	Arabic Language	HUM 011
	English Language(2)	HUM 013
	Computer Skills	HUM 081
100	Mathematics (3)	BAS 111
	Electrical Circuits(1)	ELP 112
	Electrical Measurement & Testing	ELP 114
	Electromagnetic Fields	ELP 141
	Technical Report Writing	HUM 111
	Communication and Presentation Skills	HUM 181
	Electrical Circuits(2)	ELP 113
	Electrical Materials	ELP 115
	Energy Conversion	ELP 181
	Engineering Economic	IEN 351
	Principles of Negotiation	HUM 381
200	Mathematics (4)	BAS 211
	Electric Machines and Transformers	ELP 241
	Digital & Logic Circuits	ELE 221
	Computer Programming	ELC 221
	Human Rights	HUM 352
	Field Training (1)	291
	Statics& Probability Theory	BAS 212
	Electronic Devices	ELE 222
	Microprocessors & Applications	ELE 241
	Signal Analysis	ELE 271
	Modeling & Simulation of Engineering Systems	ELC 251
	Analysis & Research Skills	HUM 182

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300	Mathematics (5)	BAS 311
	Environment Impact of Projects	CIW 331
	Electrical Power	ELP 321
	Computer Organization & Architecture	ELC 311
	Computer Networks	ELC 331
	Automatic Control	ELC 361
	Field Training (2)	391
	Power Electronics	ELP 361
	Electronic Engineering	ELE 322
	Electrical Communications	ELE 361
	Data Structures &Algorithms	ELC 321
	Professional Ethics	HUM 351
400	Digital Communication Systems	ELE 462
	Project (1)	ELE 491
	Software engineering	ELC 421
	Monitoring Quality Control Systems	IEN 131
	Project Management	IEN 314
	Mobile Communications	ELE 463
	Project (2)	ELE 492
	Advanced Programming Techniques	ELC 423
Elective	Embedded Systems	ELE 413
	Artificial Intelligence &its Applications	ELC 471
	Introduction to the History of Civilizations	HUM x71
	Arabic & Islamic Civilization	HUM x75
	Recent Egypt's History	HUM x73
	Principles of Design & Manufacturing Engineering	MED 111
	Principles of Construction & Building Engineering	CIS 111
	Literary Appreciation	HUM x76
	Principles of Mechanical Power Engineering	MEP 111
	Business Administration	HUM 221
	Operating Systems	ELC 411