

	Course Code	Course Name	Pre-R	Co-R	Credit Hours	Contact Hours	Course Type
Semester 1	ENGL110	Technical Writing for Engineering			3	3	CM
	MATH100	Calculus I			3	3	CM
	PHYS100	Physics I			3	3	CM
	COMP100	Computer Programming			3	3	CM
	MECH120	Engineering Drawings			1	3	CM
	ENGI100	Introduction to Engineering			1	2	CM
	COMP109	Computer Programming Lab		COMP100	1	2	CM
Semester Total					15	19	
Semester 2	MATH101	Calculus II	MATH100		3	3	CM
	PHYS101	Physics II	PHYS100		3	3	CM
	ELEC100	Electrical Circuits	MATH100		3	3	DM
	COMP101	Advanced Computer Programming	COMP100		3	3	DM
	MECH100	Workshop I			1	3	CM
	PHYS109	Physics Lab	PHYS100	PHYS101	1	2	CM
	COMP108	Advanced Computer Programming Lab		COMP101	1	2	DM
Semester Total					15	19	
Semester 3	COMP200	Linear Algebra for ICT	MATH101		3	3	DM
	COMP220	Principles of Algorithms and Data Structures	COMP101		3	3	DM
	COMP240	Introduction to Cybersecurity	COMP101		1	2	DM
	ELEC230	Digital Logic	ELEC100		3	3	DM
	COMP229	Principles of Algorithms and Data Structures Lab		COMP220	1	2	DM
	ELEC239	Digital Logic Lab		ELEC230	1	2	DM
		University Elective 1			3	3	UEL
Semester Total					15	18	
Semester 4	MATH212	Statistics and Data Science	MATH101		3	3	DM
	COMP241	Cryptography Concepts	COMP200, COMP240		3	3	DM
	COMP242	Cybersecurity Ethics and Policies	COMP240		1	2	DM
	COMP243	Cyber Defense Techniques and Tools	COMP220		3	3	DM
	COMP248	Cyber Defense Techniques and Tools Lab		COMP243	1	2	DM
	COMP249	Cryptography Concepts Lab		COMP241	1	2	DM
	COMP291	Project 1 (PBL)	COMP220		3	3	DM
Semester Total					15	18	
Program Total					60	74	

¹ A Graduation Project is conducted throughout two consecutive academic semesters (excluding summer semesters). Students meet with their academic supervisor at least one hour per week.

University Electives

Applicable for this program only

Code	Course Name	Credit Hours	Contact Hours
UEIT101	Introduction to Information Technology	3	3
UEIT102	Introduction to AI	3	3
UEIT103	Introduction to Generative AI and Prompt Engineering	3	3
UEIT104	Introduction to Computing and Data Science	3	3
UEIE101	Foundation of Innovation & Entrepreneurship	3	3
UEIE102	Entrepreneurship	3	3
UEIE103	Entrepreneurship and Enterprise	3	3
UEIE104	Social Entrepreneurship	3	3
UEHA101	Introduction to Psychology	3	3
UEHA102	Introduction to Critical Thinking	3	3
UEHA103	History of Arabian Gulf	3	3
UEHA104	Numbers History and Game Theory	3	3
UEHA105	Fundamentals of Public Speaking	3	3
UESH101	Man, and the Environment	3	3
UESH102	Health Awareness & Nutrition	3	3
UESH103	Health and Safety	3	3
UESH104	Introduction to Sustainability & Sustainable Development	3	3
UEBM101	Introduction to Social Media Marketing	3	3
UEBM102	Family Business Management	3	3
UEBM103	Personal Finance	3	3
UEBM104	Introduction to Advertising and Branding	3	3
UESS101	Interior Design	3	3

This program permits the selection of **one** university elective courses, amounting to **3** credit hours.