

The study plan of Bachelor of Science in Information Technology with a concentration in Cyber Security

First Year Semester 1 (Fall)	(1) GE107 Algorithms and Problem Solving P. R. ---	(2)GE106 - <i>Introduction to Information Technology (English)</i> P. R. ---	(3) INT108 <i>Introduction to Statistics</i> P. R. ---	(4) GE101 <i>GE101 - Advanced English Academic Writing and Rhetoric 1</i> P. R. ---	(5) INT101 <i>Calculus for IT</i> P. R. ---
First Year Semester 2 (Spring)	(6) INT100 <i>Introduction to Programming</i> P. R. ---	(7) INT104 <i>Information Technology in Business</i> P. R. ---	(8) INT109 <i>Physics</i> P. R. ---	(9) INT107 <i>Discrete Mathematics</i> P. R. (5)	(10) GE102 <i>Advanced English Academic Writing and Rhetoric 2</i> P. R. ---

Second Year Semester 1 (Fall)	(11) INT203 <i>Computer Organization</i> P. R. (2)	(12) INT202 <i>System Analysis and Design</i> P. R. (7)	(13) INT201 <i>Object Oriented Programming</i> P. R. (6)	(14) INT214 <i>Computer Ethics and Professional Practices</i> P. R. ---	(15) GE103 <i>UAE Society (English)</i> P. R. ---
Second Year Semester 2 (Spring)	(16) INT204 <i>Data Structure</i> P. R. (13)	(17) INT205 <i>Fundamentals of Data Communications and Networking</i> P. R. (11)	(18) INT209 <i>Fundamentals of Data Science</i> P. R. (3, 13)	(19) INT206 <i>Fundamentals of Web Systems</i> P. R. (13)	(20) GE104 <i>Innovation, Entrepreneurship and Sustainability (English)</i> P. R. ---

Third Year Semester 1 (Fall)	(21) INT 301 <i>Operating Systems</i> P. R. (11)	(22) INT303 <i>Fundamentals of Information Security</i> P. R. (17)	(23) INT302 <i>Database Management Systems</i> P. R. (13)	(24) INT314 <i>Introduction to Cloud Computing</i> P. R. (17, 19)	(25) INT324 <i>Dynamic Web Design and Development</i> P. R. (19)
Third Year Semester 2 (Spring)	(26) INT305 <i>Internet of Things</i> P. R. (17)	(27) INTXXX <i>Elective</i> P. R. ---	(28) INT307 <i>Information Technology Project Management</i> P. R. (23)	(29) INT315 <i>Intorduction to Cryptography</i> P. R. (9, 22)	(30) INT312 <i>Human-Computer Interaction</i> P. R. (12)

INT404 Internship (After completing 80 CH)

Fourth Year Semester 1 (Fall)	(31) INT448 <i>Business Intelligence and Data Warehousing</i> P. R. (23)	(32) INT441 <i>Digital Forensics</i> P. R. (22, 29)	(33) INT402 <i>Big Data Technologies</i> P. R. (18, 23)	(34) INT445 <i>Graduation Project I</i> P. R. 80 Cr.Hrs	(35) INT429 <i>Mobile Applications Development</i> P. R. (13, 21)
Fourth Year Semester 2 (Spring)	(36) INT430 <i>Artificial Intelligence</i> P. R. (18, 33)	(37) INT444 <i>Wireless and Mobile Networks Security</i> P. R. (22, 17)	(38) INT446 <i>Graduation Project II</i> P. R. (34)	(39) INT443 <i>Ethical Hacking</i> P. R. (17, 22)	(40) INT447 <i>Selected Topics in Cyber Security</i> P. R. (17, 29)

Program Elective Courses (3 Cr. Hrs.)

Course No.	Course Title	Contact and Credit Hrs.			Prerequisite
		Lec	Lab	Cr. Hrs.	
CS0-1440	E-commerce Development	2	2	3	INT206
CS0-0461	Advanced Database Design and Implementation	2	2	3	INT302
CS0-1420	Advanced Programming	2	2	3	INT201
CS0-0450	Multimedia Systems	2	2	3	INT206