Curriculum Structure and Credit Hours

The Bachelor of Science degree in Information Systems requires the completion of 120 credit hours. In addition, the student is required to complete an internship program for 16 weeks (at least 30 contact hours per week) after completing 90 credit hours. This internship experience is equivalent to three credit hours making the total completion requirements 123 credit hours.

The current Information Systems program contains two concentrations:

a. Information Systems / Project Management
b. Information Systems / E-Business Management

Each concentration consists of five courses (15 Credit Hours). The structure of the program is described below.

General Program Structure

The Bachelor of Science degree in Information Systems with its two concentrations requires the completion of 123 Cr. Hrs. distributed according to the following plan for the two concentrations:

Type of Courses	Credit/hour
1. University General Education Courses	
(a) University Compulsory Courses	24
(b) University Elective Courses	6
2. Information Systems Program Common Compulsory Core Courses	
(a) General Courses	9
(b) Information Systems Core Courses	54
(c) Internship	3
3. Information Systems Program Concentration Courses	15
4. Information Systems Program Elective Courses	12
Total Credit Hours	**123**

Program Courses

University General Education Courses

University Required Courses (24 Cr. Hrs.)

Course No.	Course Title	Th	Lab.	Tut.	Cr. Hrs.	Prerequisite
ENG211	Public Speaking	3	0	0	3	-
THI212	Critical Thinking and Quantitative Reasoning	3	0	0	3	-
ENG 104	Advanced English Writing	3	0	0	3	-
EMS 112	Emiratis Studies	3	0	0	3	-
INN311	Innovation & Sustainable Entrepreneurship	2	2	0	3	60 Cr. Hrs

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
LED 111	Leadership and Team Building	3	0	0	3	-
STA 114	General Statistics	2	2	0	3	-
INF100	Introduction to Information Systems	3	0	0	3	-

University Elective Courses (6 Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
1. Humanities / Arts (3 Credit Hours)						
ART111	Introduction to Art	3	0	0	3	-
FRE211	Conversational French	3	0	0	3	-
HPS111	History and Philosophy of Science	3	0	0	3	-
LAW106	Human Rights	3	0	0	3	-
ISL114	Islamic Culture	3	0	0	3	-
WLT115	World Literature	3	0	0	3	-
COM103	Introduction to Film Studies	3	0	0	3	-
2. Natural Sciences (3 Credit Hours)						
PHY111	General Physics	3	0	0	3	-
CHM111	General Chemistry	2	2	0	3	-
BIO111	General Biology	2	2	0	3	-
FUT101	The Science of the Future	3	0	0	3	-
AST211	Astronomy	3	0	0	3	-
ENV113	Science of Energy and Global Environment	3	0	0	3	-
GEO102	Planet Earth	3	0	0	3	-

Information Systems Program Common Compulsory Courses

Program General Courses (9 Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ACC 205	Principles of Accounting	3	0	0	3	-
MGT200	Introduction to Management	3	0	0	3	-
MKT200	Principles of Marketing	3	0	0	3	MGT 200

Information Systems Program Core Courses & Internship (57 Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
DAT100	Introduction to Data Analytics	2	2	0	3	INT100
INS 305	Systems Analysis and Design	2	2	0	3	INT 201

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INS402	Business Intelligence	2	2	0	3	INT 323
INS404	Information Systems Strategy and Acquisition	3	0	0	3	INT307
INS405	Information Systems Project	1	4	0	3	90 Cr. Hrs
INS408	Information Systems Internship	16-weeks-Sector normal hours			3	90 Cr. Hrs
INT100	Introductory Programming	2	2	2	3	-
INT101	Calculus for Information Technology	3	0	2	3	-
INT201	Object Oriented Programming	2	2	2	3	INT100
INT202	Discrete Mathematics	3	0	2	3	INT101
INT205	Fundamentals of Data Communications and Networking	2	2	0	3	INT 201
INT 206	Fundamentals of Web Systems	2	2	0	3	INT 201
INT 301	Operating Systems	2	2	0	3	INT 201
INT 302	Database Management Systems	2	2	0	3	INT 201
INT 303	Fundamentals of Information Security	3	0	0	3	INT 205
INT 306	Computer Ethics and Professional Practices	3	0	0	3	INT 303
INT 307	Information Technology Project Management	3	0	0	3	INS 305
INT 323	Big Data Analytics & Technologies	2	2	0	3	INT 302
INT 430	Artificial Intelligence	2	2	0	3	INT 302 or INT300

Information Systems Program Concentration Specific Compulsory Courses

Each concentration is composed of nine credit hours of compulsory courses as described below.

Project Management Concentration Compulsory Courses (15 Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INS 308	Enterprise Systems	2	2	0	3	INT 302
INS 406	IT Resource Management	3	0	0	3	INS 305
INS 411	IT Services and Operations Management	3	0	0	3	INS 305
INS 412	Project Planning, Scheduling and Cost Control	2	2	0	3	INT 307
INS 413	Project Quality and Risk Management	2	2	0	3	INT 307

E-Business Management Concentration Compulsory Courses (15 Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INS 422	E-Marketing	3	0	0	3	MKT 200
INT 322	Web Technologies	2	2	0	3	INT 206
INT 424	E-Commerce	2	2	0	3	INT 206
INS415	Biomedical Informatics	2	2	0	3	INT 302, INT206
INS 403	IS Audit and Control	3	0	0	3	INT 303

Information Systems Program Elective Courses (12 Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INS 307	Business Process Management	3	0	0	3	INS 305
INS 407	Selected Topics in Information Systems	3	0	0	3	INS 307
INT 309	Cloud Computing	2	2	0	3	INT 303
INT 313	User Interface Design	3	0	0	3	INS 305
INT 423	Advanced Database Design and Implementation	2	2	0	3	INT302 or INT300
INT 429	Mobile Applications	2	2	0	3	INT301 or INS303, INT302 or INT300
INT435	Game Programming	2	2	0	4	INT201
INT456	Blockchain and Cryptocurrency Security	3	0	0	4	INT303

In addition, students registered in a particular concentration can choose one or more elective courses from other concentration of the Information Systems program provided that the corresponding prerequisites of these courses are met.