

BSCIS 8-Semester Plan

Freshman Year							
Fall Semester				Winter Semester			
Course Code	Course Title	Cr	Pre-requisite	Course Code	Course Title	Cr	Pre-requisite
ENL 101	English Composition	3	None	ENL 102	Communication Skills	3	None
SAT 101	General Mathematics	3	None	SAT 102	Fundamentals of Statistics	3	None
CIS 203	Fundamentals of Information Systems	3	None	SAT 103/ SAT 104/ SAT 105	Computer Applications and Technology/ Environmental Studies/ General Sciences	3	None
SAH 101	UAE Society	3	None	SAH 102	Islamic Studies	3	None
BMT 201	Principles of Management	3	None	ENG 131	Introduction to Programming	3	None
TOTAL CREDITS		15		TOTAL CREDITS		15	
Sophomore Year							
BMR 301	Principles of Marketing	3	BMT 201	CIS 205	System Analysis and Design	3	CIS 203
BHR 301	Managing Human Resource	3	BMT 201	CIS 206	Ethical Issues in Information Systems	3	CIS 203
ENL 104	Research and Learning Skills	3	None	CSC 210	Data Structures and Algorithm Analysis	3	CSE 233 and MAT 215
MAT 215	Discrete Mathematics	3	None	CSC 252	Computer Organization	3	None
CSE 233	Object Oriented Programming	3	ENG 131	ENL 103	Technical Writing	3	
CSC 211	Managing and Maintaining Computer Systems	3	None	SAH 103	Reasoning and Critical Thinking	3	
TOTAL CREDITS		18		TOTAL CREDITS		18	
Junior Year							
CIS 309	Web Application Development	3	CSE 233	CIS 307	Management Information Systems	3	CIS 203
CIS 302	Object Oriented System Analysis and Design	3	CIS 205	CSE 441	Software Engineering	3	CSE 233
CSE 351	Computer Networks	3	CSC 252	CSC 321	Advanced Java Programming	3	CSE 233
CSC 335	Principles of Operating Systems	3	CSC 210 and CSC 252	CIS 403	E-Commerce Technologies	3	CIS 309
CSC 322	Database Systems	3	ENG 131	BAF 301	Accounting and Financial Management	3	None
TOTAL CREDITS		15		TOTAL CREDITS		15	
Senior Year							
CSE 443	Software Testing	3	CSE 441	CSC 410	Advanced Database Systems	3	CSC 310
CSC 305	Computer Graphics	3	CSE 233	CSE 471	Project Management	3	CSE 441
CIS 321	Enterprise Architecture	3	BMT 201	CIS 414	Gradation Project	3	CIN 301 and >= 96 Cr
CIN 301	Internship	3	>= 75 Cr CGPA >= 2.0		Elective II	3	
	Elective I	3					
TOTAL CREDITS		15		TOTAL CREDITS		12	

List of Elective for BSCIS Program

- CBC 383 Enterprise Resource Planning
- CBC 410 Supply Chain Management
- CEC 350 Decision Support Systems
- CEC 409 E-Business Models
- CEC 416 Mobile Application Development
- CEC 413 Data Warehousing and Mining
- CSE 463 Artificial Intelligence
- CSE 461 Computer Security