Zayed University
College of Information Systems
Bachelor of Science in Information Systems
Concentration in Applied Information Systems

Eight-Semester Curriculum Plan
(Recommended Sequence)

	Semester 1		Credits	Semester 2		Credits
Year 1	COL 110	Computer Applications	3	COL 105	Career Exploration	2
	COL 120	Colloquium	3	COL 111	Explorations in Mathematics (Menu II)	3
	COL 130	Arabic Concepts	3	CIS 125	Professional Issues in IS (Menu I)	2
	COL 140	English Composition I	3	Menu I	Comparative Professional Systems	2
	COL 150	Global Studies I	3	COL 135	Islamic Studies I	3
				COL 145	English Composition II	3
				COL 155	World Humanities	3
		Total	**15**		**Total**	**18**
Year 2	CIS 205	Intro. Information Systems (Menu IV)	3	CIS 215	Intro. Programming/ Problem Solving	3
	COL 230	Islamic Studies II	3	CIS 225	Computing Foundations (Menu IV)	3
	COL 240	English Composition III	3	CIS 323	Database Systems	3
	COL 250	Global Studies II	3	CIS 340	Web Development	3
	COL 260	Environmental Science	3	CIS 350	Networks and Telecommunications	3
		Total	**15**		**Total**	**15**
Year 3	Menu V	Elective: Outside CIS & Emphasis	3	ENG 218	Technical Writing (Menu VI)	3
	CIS 240	Programming and Problem Solving I	3	CIS 218AL	Arabic Lab II (Menu VI)	1
	BUS 309	Introduction to Management	3	CIS 304	IS Theory and Practice	3
	BUS	Business elective	3	BUS 310	Introduction to Marketing	3
	CIS 305	IT in Global/Local Cultures (Menu III)	3	CIS 320	IT Hardware and Software	3
	CIS 305AL	Arabic Lab I (Menu VI)	1	Selective	Approved elective*	3
		Total	**16**		**Total**	**16**
Year 4	BUS	Business elective*	3	Selective	Approved elective*	3
	Selective	Approved elective*	3	CIS 485	Software Engineering	3
	Selective	Approved elective*	3	CIS 490	Internship	6
	CIS 421	Applied Database Systems	3	CIS 499	Capstone Project	3
	CIS 480	IS Analysis, Design & Implementation	3			
	CIS 498	Senior Seminar	1			
		Total	**16**		**Total**	**15**

Total = 126 Credit Hours

* Selected from approved list

Zayed University
College of Information Systems
Bachelor of Science in Information Systems
Concentration in Network Technologies

Eight-Semester Curriculum Plan
(Recommended Sequence)

	Semester 1		Credits	Semester 2		Credits
Year 1	COL 110	Computer Applications	3	COL 105	Career Exploration	2
	COL 120	Colloquium	3	COL 111	Explorations in Mathematics (Menu II)	3
	COL 130	Arabic Concepts	3	CIS 125	Professional Issues in IS (Menu I)	2
	COL 140	English Composition I	3	Menu I	Comparative Professional Systems	2
	COL 150	Global Studies I	3	COL 135	Islamic Studies I	3
				COL 145	English Composition II	3
				COL 155	World Humanities	3
		Total	**15**		**Total**	**18**
Year 2	CIS 205	Intro. Information Systems (Menu IV)	3	CIS 215	Intro. Programming / Problem Solving	3
	COL 230	Islamic Studies II	3	CIS 225	Computing Foundations (Menu IV)	3
	COL 240	English Composition III	3	CIS 323	Database Systems	3
	COL 250	Global Studies II	3	CIS 340	Web Development	3
	COL 260	Environmental Science	3	CIS 350	Networks and Telecommunications	3
		Total	**15**		**Total**	**15**
Year 3	Menu V	Elective: Outside CIS & Emphasis	3	ENG 218	Technical Writing (Menu VI)	3
	CIS 240	Programming and Problem Solving I	3	CIS 218AL	Arabic Lab II (Menu VI)	1
	CIS 305	IT in Global/Local Cultures (Menu III)	3	CIS 241	Programming and Problem Solving II	3
	CIS 305AL	Arabic Lab I (Menu VI)	1	CIS 320	IT Hardware and Software	3
	CIS 455	Communication Networks I	3	CIS 456	Communication Networks II	3
	Selective	Approved elective*	3	Selective	Approved elective*	3
		Total	**16**		**Total**	**16**
Year 4	Selective	Approved elective*	3	Selective	Approved elective*	3
	Selective	Approved elective*	3	CIS 485	Software Engineering Principles	3
	CIS 421	Applied Database Systems	3	CIS 490	Internship	6
	CIS 450	Introduction to Operating Systems	3	CIS 499	Capstone Project	3
	CIS 457	Communication Networks III	3			
	CIS 498	Senior Seminar	1			
		Total	**16**		**Total**	**15**

Total = 126 Credit Hours

* Selected from approved list

Zayed University
College of Information Systems
Bachelor of Science in Information Systems
Concentration in Web Technologies

Eight-Semester Curriculum Plan
(Recommended Sequence)

	Semester 1		Credits	Semester 2		Credits
Year 1	COL 110	Computer Applications	3	COL 105	Career Exploration	2
	COL 120	Colloquium	3	COL 111	Explorations in Mathematics (Menu II)	3
	COL 130	Arabic Concepts	3	CIS 125	Professional Issues in IS (Menu I)	2
	COL 140	English Composition I	3	Menu I	Comparative Professional Systems	2
	COL 150	Global Studies I	3	COL 135	Islamic Studies I	3
				COL 145	English Composition II	3
				COL 155	World Humanities	3
		Total	**15**		**Total**	**18**
Year 2	CIS 205	Intro. Information Systems (Menu IV)	3	CIS 215	Intro.Programming/Problem Solving	3
	COL 230	Islamic Studies II	3	CIS 225	Computing Foundations (Menu IV)	3
	COL 240	English Composition III	3	CIS 323	Database Systems	3
	COL 250	Global Studies II	3	CIS 340	Web Development	3
	COL 260	Environmental Science	3	CIS 350	Networks and Telecommunications	3
		Total	**15**		**Total**	**15**
Year 3	Menu V	Elective: Outside CIS & Emphasis	3	ENG 218	Technical Writing (Menu VI)	3
	CIS 240	Programming and Problem Solving I	3	CIS 218AL	Arabic Lab II (Menu VI)	1
	CIS 305	IT in Global/ Local Cultures (Menu III)	3	CIS 241	Programming and Problem Solving II	3
	CIS 305AL	Arabic Lab I (Menu VI)	1	CIS 320	IT Hardware and Software	3
	CIS 325	Computer Graphics	3	CIS 370	Multimedia Systems	3
	Selective	Approved elective*	3	Selective	Approved elective*	3
		Total	**16**		**Total**	**16**
Year 4	Selective	Approved elective*	3	Selective	Approved elective*	3
	Selective	Approved elective*	3	CIS 485	Software Engineering	3
	CIS 421	Applied Database Systems	3	CIS 490	Internship	6
	CIS 440	Web Applications	3	CIS 499	Capstone Project	3
	CIS 450	Operating Systems	3			
	CIS 498	Senior Seminar	1			
		Total	**16**		**Total**	**15**

Total = 126 Credit Hours

* Selected from approved list

Zayed University
College of Information Systems
Bachelor of Science in Technology and Education
(Joint with College of Education)

Eight-Semester Curriculum Plan
(Recommended Sequence)

This concentration prepares students to teach at grade levels K-12.

	Semester 1		Credits	Semester 2		Credits
Year 1	COL 120	Colloquium	3	COL 105	Career Exploration	2
	COL 130	Arabic Concepts	3	COL 111	Explorations in Mathematics (Menu II)	3
	COL 140	English Composition I	3	CIS 125	Professional Issues in IS (Menu I)	2
	COL 150	Global Studies I	3	EDC 125	Teaching as a Profession (Menu I)	2
	COL 110	Computer Applications	3	COL 135	Islamic Studies I	3
				COL 145	English Composition II	3
				COL 155	World Humanities	3
		Total	**15**		**Total**	**18**
Year 2	COL 230	Islamic Studies II	3	CIS 200	Computer Skills [ICDL]	3
	COL 240	English Composition III	3	EDC 202	Human Growth & Develop. (Menu III)	3
	COL 250	Global Studies II	3	ENG 218	Technical Writing	3
	COL 260	Environmental Science	3	BUS or CIS	BUS 306, CIS 304, CIS 370, or CIS 325	3
	CIS 215	Intro: Programming & Problem Solving	3	EDC 324	People with Special Needs (Menu III)	3
		Total	**15**		**Total**	**15**
Year 3	Menu V	Elective: Outside EDC & IS	3	EDC 315	Observation and Assessment	3
	CIS 305	IT in Global and Local Cultures	3	EDC 321	Classroom Management	3
	CIS 320	IT Hardware and Software	3	CIS 350	Networks and Telecommunications	3
	EDC 309	Middle Childhood/Adolescent Learners	3	EDC 351	Education Studies II: General Pedagogical Methods	3
	EDC 350	Education Studies I: The Student	3	EDC 351AL	Arabic Lab I (Menu VI)	1
	CIS xxx	Approved CIS Elective	3	EDC 371	Literacy Across the School Curriculum	3
		Total	**18**		**Total**	**16**
Year 4	CIS 323	Database Systems	3	EDC 461	Entering the Profession	3
	CIS 340	Web Development	3	EDC 490	Internship in Teaching	6
	EDC 450	Education Studies III: Pedagogical Content Methods	3	EDC 499	Capstone Seminar	3
	EDC 450AL	Arabic Lab II (Menu VI)	1	CIS xxx	Approved CIS Elective	3
	EDC 460	Learning Technologies (Menu IV)	3			
	EDC 465	Education of Children with Special Needs (Menu VI)	3			
		Total	**16**		**Total**	**15**

Total = 128 Credit Hours

Students in the Technology and Education degree program must take at least one Arabic Lab I (ENG 218 AL or EDC 351 AL) and one Arabic Lab II (CIS 305 AL or EDC 450 AL). The specific labs are determined in consultation with their advisor.