

Computer and Information Systems - Business

Bachelor of Science (BS.CIS(BUS))

Core Requirements				Credits	Notes/Instructions
College Sem.	Quest for Meaning	CSEM 100		3	†A student may be required to take ENGL 105 and/or MATH 100 based on placement exams administered prior to their first semester at King's College. ENGL 105 and MATH 100 are 3-credit courses and will count as free electives. †† The Intercultural Competence requirement can be satisfied by taking a 100-level language class for 3 credits or participating in an approved Study Abroad experience. (See college catalog for more information) SBM = Satisfied By Major requirement(s) and credit(s) listed below.
Communication & Creative Expression	Writing	ENGL 110†		3	
	Oral Communication	COMM 101		3	
	Literature	ENGL 140-149		3	
	The Arts	ARTS 100-149		3	
Citizenship	History	HIST 100-149		3	
	Intercultural	FREN/GERM/SPAN 100-level or Study Abroad††		3	
	Global Connections	ECON 150-199; GEOG 150-199; HIST 150-199; PS 150-199; SOC 150-199		3	
Quantitative & Scientific Reasoning	SBM Quantitative Reasoning	MATH 120+ or higher level		-	
	Scientific Endeavor	NSCI 100		3	
	Science in Context	NSCI 171-199		3	
	SBM Human Beh. & Soc. Inst	ECON 111, 112 ; GEOG 101, 102; PS 101, PSYC 101, SOC 101		-	
Wisdom, Faith, & the Good Life	Introduction to Phil.	PHIL 101		3	
	Phil. Investigations	PHIL 170-199; MSB 287³		3	
	Theology & Wisdom	THEO 150-159		3	
	Theology & the Good Life	THEO 160-169		3	
Total Core Credits				42	

Major Requirements		Credits	Business Requirements		Credits
CIS 106	IT Methods & Procedures (<i>fall only</i>)	3	ECON 111 ²	Introduction to Macroeconomics	3
CIS 116	Programming I (<i>fall only</i>)	3	ECON 112 ²	Introduction to Microeconomics	3
CIS 117 ^{PR}	Programming II (<i>spring only</i>)	3	MSB 110	Intro. To Financial Reporting	3
CIS 119	Spreadsheet Analysis	3	MSB 120 ^{PR}	Intro. To Management Acct. & Plan.	3
CIS 125 ^{PR}	Artificial Intel. & Business Intel. (<i>spring only</i>)	3	MSB 200	Principles of Management	3
CIS 244 ^{PR}	Database Design & Impl. (<i>fall only</i>)	3	MSB 210	Principles of Marketing	3
CIS 251	WEB-based Info. Systems (<i>spring only</i>)	3	MSB 220	Financial Management	3
CIS 255	Geographic Info. Systems (<i>spring only</i>)	3	Business Elective 1 ⁴		3
CIS 351	Syst. Analysis, Design, & Impl. I (<i>fall only</i>)	3	Business Elective 2 ⁴		3
CIS 352 ^{PR}	Syst. Analysis, Design, & Impl. II (<i>spring only</i>)	3			
CIS 356 ^{PR}	Database Management Systems (<i>fall only</i>)	3			
CIS 385	Cyber Network Foundations (<i>fall only</i>)	3			
CIS 386 ^{PR}	Adv. Cyber Networks & Security (<i>spring only</i>)	3			
CIS 471	Info. Systems Security & Assurance (<i>fall only</i>)	3			
CIS 472	IT Project Management (<i>spring only</i>)	3			
CIS 487	Enterprise Cyber Security (<i>fall only</i>)	3			
CIS 499	CIS Internship	3			
MATH 123 ²	Finite Mathematics	3			
ECON 221	Statistics & Predictive Analytics	3			
Other Requirements					
HCE 101	Holy Cross Experience	1			
Total Major & Other Credits		58	Business Credits		27

Total Credits Required for Graduation = 127

General Information:

A student must earn a minimum of 120 credit hours to be awarded the baccalaureate degree. The number of credit hours required for graduation may be higher in certain major programs or if the student elects to pursue a second major. Beyond the requirements of the Core Curriculum and of a student's chosen major program, the balances of the credit hours required for graduation are "free electives."

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Suggested Sequence

A suggested course sequence of degree requirements is listed below. Refer to the college catalog for course titles, descriptions, and prerequisites. Always consult your Academic Advisor when planning and scheduling your classes.

Fall		Credits	Spring		Credits
CIS 106 IT Methods & Procedures (<i>fall only</i>)		3	CIS 117 ^{PR} Programming II (<i>spring only</i>)		3
CIS 116 Programming I (<i>fall only</i>)		3	CIS 125 ^{PR} Artificial Intel. & Business Intel. (<i>sp. only</i>)		3
CIS 119 Spreadsheet Analysis		3	Core Course ¹ (<i>CSEM 100 Quest for Meaning</i>)		3
MATH 123 ² Finite Mathematics		3	Core Course ¹		3
Core Course ¹ (<i>ENGL 110 Academic Writing</i>)		3	Core Course ¹		3
HCE 101 Holy Cross Experience		1			
		16			15
Summer		Credits			
Fall		Credits	Spring		Credits
CIS 244 ^{PR} Database Design & Impl. (<i>fall only</i>)		3	CIS 251 WEB-based Info. Systems (<i>spring only</i>)		3
MSB 110 Intro. To Financial Reporting		3	CIS 255 Geographic Info. Systems (<i>spring only</i>)		3
Core Course ¹		3	ECON 221 Statistics and Predictive Analytics		3
Core Course ¹		3	MSB 120 ^{PR} Intro. to Management Acct. & Plan.		3
Core Course ¹		3	Core Course ¹		3
		15			15
Summer		Credits			
Fall		Credits	Spring		Credits
CIS 351 Syst. Analysis, Design, & Impl. I (<i>fall only</i>)		3	CIS 352 ^{PR} Syst. Analysis, Design, & Impl. II (<i>sp. only</i>)		3
CIS 385 Cyber Network Foundations (<i>fall only</i>)		3	CIS 386 ^{PR} Adv. Cyber Networks & Security (<i>sp. only</i>)		3
CIS 356 ^{PR} Database Management Syst. (<i>fall only</i>)		3	ECON 112 ² Introduction to Microeconomics		3
ECON 111 ² Introduction to Macroeconomics		3	MSB 210 Principles of Marketing		3
MSB 200 Principles of Management		3	Core Course ¹		3
Core Course ¹		3	Core Course ¹		3
		18			18
Summer		Credits			
Fall		Credits	Spring		Credits
CIS 471 Info. Syst. Security & Assurance (<i>fall only</i>)		3	CIS 472 IT Project Management (<i>spring only</i>)		3
CIS 487 Enterprise Cyber Security (<i>fall only</i>)		3	CIS 499 CIS Internship		3
MSB 220 ^{PR} Financial Management		3	Business Elective 2 ⁴		3
Business Elective 1 ⁴		3	Core Course ¹		3
Core Course ¹		3	Core Course ¹		3
		15			15
Total Credits Required for Graduation = 127					

NOTES:

¹Choose one course from each of the Core Requirements listed on the reverse side.

²Course may satisfy both a Major and a Core requirement. MATH 123 will satisfy the Quantitative Reasoning Core requirement.

³Students are encouraged to take MSB 287 – Business Ethics to fulfill the Philosophical Investigation Core requirement.

⁴Computer and Information Systems students are encouraged to pursue the following Fall/Spring course sequences to fulfill the Business Elective 1 and 2 requirements:

- Technology Management: BUS 363 – Operations Management and BUS 435 – Global Innovation, Technology & Entrepreneurship
- Manufacturing & Operations Management: MKT 385 – Global Supply Chain Management and BUS 363 – Operations Management
- Marketing: MKT 330 – Selling Strategies and MKT 390 – International Marketing
- Entrepreneurship: BUS 330 – Selling Strategies and BUS 435 – Global Innovation, Technology & Entrepreneurship
- Accounting: ACCT 115/L – Introduction to Financial Accounting II w/ Lab and ACCT 240 – Intermediate Accounting I

^{PR} Course has a prerequisite – check college catalog.