

Computer and Information Systems

Bachelor of Science (BS.CIS)

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. 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	
		Human Beh. & Soc. Inst	ECON 111, 112; GEOG 101, 102; PS 101, PSYC 101, SOC 101	3	
Wisdom, Faith, & the Good Life		Introduction to Phil.	PHIL 101	3	
		Phil. Investigations	PHIL 170-199; MSB 287	3	
		Theology & Wisdom	THEO 150-159	3	
		Theology & the Good Life	THEO 160-169	3	
Total Core Credits				45	

Major Requirements		Credits	Electives ³ / Other Requirements	Credits
	CIS 106 IT Methods & Procedures	3	HCE 101 Holy Cross Experience	1
	CS 112 Intro. to Programming (<i>fall only</i>)	3	Free Elective ³	3
	CS 120 OO Software Development (<i>spring only</i>)	3	Free Elective ³	3
	CS 120L OO Software Devel. Lab (<i>spring only</i>)	1	Free Elective ³	3
	CIS 119 Microcomputer Principles (<i>spring only</i>)	3	Free Elective ³	3
	CIS 244 ^{PR} Structured Programming (<i>fall only</i>)	3	Free Elective ³	3
	CIS 251 ^{PR} WEB-based Info. Systems (<i>spring only</i>)	3		
	CIS 255 ^{PR} Geographic Info. Systems (<i>fall only</i>)	3		
	CIS 351 ^{PR} Syst. Analysis, Design, & Impl. I (<i>fall only</i>)	3		
	CIS 352 ^{PR} Syst. Analysis, Design, & Impl. II (<i>sp only</i>)	3		
	CIS 356 ^{PR} Database Management Syst. (<i>spring only</i>)	3		
	CIS 385 ^{PR} Data Communications I (<i>fall only</i>)	3		
	CIS 386 ^{PR} Data Communications II (<i>spring only</i>)	3		
	CIS 471 ^{PR} Global Information Systems	3		
	CIS 472 ^{PR} IT Project Management (<i>fall only</i>)	3		
	CIS 487 ^{PR} Network Security	3		
	MATH 123 ² Finite Math	3		
	MSB 110 Intro. To Financial Accounting	3		
	MSB 120 ^{PR} Intro. to Management Acct. & Plan.	3		
	CIS 499 CIS Internship	3		
	ECON 221 or MATH 126	3		
Total Major Credits		61	Total Elective / Other Credits	16

Total Credits Required for Graduation = 122

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 2019		Credits	Spring 2020		Credits
_____	CIS 106 IT Methods & Procedures	3	_____	CIS 119 Microcomputer Principles (<i>spring only</i>)	3
_____	CS 112 Intro. to Programming (<i>fall only</i>)	3	_____	CS 120 OO Software Development (<i>spring only</i>)	3
_____	MSB 110 Intro. To Financial Accounting	3	_____	CS 120L OO Software Develop. Lab (<i>spring only</i>)	1
_____	MATH 123 Finite Math	3	_____	MSB 120 ^{PR} Intro. to Management Acct. & Plan.	3
_____	Core Course ¹ (<i>ENGL 110 Academic Writing</i>)	3	_____	Core Course ¹ (<i>ARTS 100-149</i>)	3
_____	HCE 101 Holy Cross Experience	1	_____	Core Course ¹ (<i>CSEM 100 Quest for Meaning</i>)	3
		16			16
Summer 2020		Credits			
Fall 2020		Credits	Spring 2021		Credits
_____	CIS 244 ^{PR} Structured Programming (<i>fall only</i>)	3	_____	CIS 251 ^{PR} WEB-based Info. Systems (<i>spring only</i>)	3
_____	CIS 255 ^{PR} Geographic Info. Systems (<i>fall only</i>)	3	_____	ECON 221 Bus. Statistics OR MATH 126 Statistics	3
_____	Core Course ¹	3	_____	Core Course ¹	3
_____	Core Course ¹	3	_____	Core Course ¹	3
_____	Core Course ¹	3	_____	Core Course ¹	3
		15			15
Summer 2021		Credits			
Fall 2021		Credits	Spring 2022		Credits
_____	CIS 351 ^{PR} 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 ^{PR} Data Communications I (<i>fall only</i>)	3	_____	CIS 386 ^{PR} Data Communications II (<i>spring only</i>)	3
_____	CIS 356 ^{PR} Database Management Syst. (<i>fall only</i>)	3	_____	Core Course ¹	3
_____	Core Course ¹	3	_____	Core Course ¹	3
_____	Free Elective ³	3	_____	Free Elective ³	3
		15			15
Summer 2022		Credits			
Fall 2022		Credits	Spring 2023		Credits
_____	CIS 499 CIS Internship	3	_____	CIS 471 ^{PR} Global Information Systems	3
_____	CIS 472 ^{PR} IT Project Management	3	_____	CIS 487 ^{PR} Network Security	3
_____	Core Course ¹	3	_____	Core Course ¹	3
_____	Core Course ¹	3	_____	Free Elective ³	3
_____	Free Elective ³	3	_____	Free Elective ³	3
		15			15
Total Credits Required for Graduation = 122					

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 may select "free electives" for personal enrichment **OR** for Minor and/or Second Major Requirements.

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