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. (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	
		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	3	
		Theology & Wisdom	THEO 150-159	3	
		Theology & the Good Life	THEO 160-169	3	
			Total Core Credits	**45**	

Major Requirements	Credits
CIS 106 IT Methods & Procedures	3
CIS 116 Fundamentals of Programming I *(fall only)*	3
CIS 117 Fundamentals of Programming II *(sp only)*	3
CIS 119 Microcomputer Principles *(spring only)*	3
CIS 244[PR] Structured Programming *(fall only)*	3
CIS 251[PR] WEB-based Info. Systems *(spring only)*	3
CIS 255[PR] Geographic Info. Systems *(fall only)*	3
CIS 351[PR] Syst. Analysis, Design, & Impl. I *(fall only)*	3
CIS 352[PR] Syst. Analysis, Design, & Impl. II *(sp only)*	3
CIS 356[PR] Database Management Syst. *(spring only)*	3
CIS 385[PR] Data Communications I *(fall only)*	3
CIS 386[PR] Data Communications II *(spring only)*	3
CIS 471[PR] Global Information Systems	3
CIS 472[PR] IT Project Management *(fall only)*	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	**60**

Electives[3] / Other Requirements	Credits
HCE 101 Holy Cross Experience	1
Free Elective[3]	3
Free Elective[3]	3
Free Elective[3]	3
Free Elective[3]	3
Free Elective[3]	3
Total Elective / Other Credits	**16**

Total Credits Required for Graduation = 121

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."

See reverse side for a suggested sequence

Effective 07/01/23

Computer and Information Systems

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	3		CIS 119 Microcomputer Principles *(spring only)*	3
	CIS 116 Fundamentals of Programming I *(fall only)*	3		CIS 117 Fundamentals of Programming II *(sp only)*	3
	MSB 110 Intro. To Financial Accounting	3		MSB 120[PR] Intro. to Management Acct. & Plan.	3
	MATH 123 Finite Math	3		Core Course[1] *(ARTS 100-149)*	3
	Core Course[1] *(ENGL 110 Academic Writing)*	3		Core Course[1] *(CSEM 100 Quest for Meaning)*	3
	HCE 101 Holy Cross Experience	1			
		16			**15**
	Summer	**Credits**			
	Fall	**Credits**		**Spring**	**Credits**
	CIS 244[PR] Structured Programming *(fall only)*	3		CIS 251[PR] WEB-based Info. Systems *(spring only)*	3
	CIS 255[PR] Geographic Info. Systems *(fall only)*	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	**Credits**			
	Fall	**Credits**		**Spring**	**Credits**
	CIS 351[PR] Syst. Analysis, Design, & Impl. I *(fall only)*	3		CIS 352[PR] Syst. Analysis, Design, & Impl. II *(sp. only)*	3
	CIS 385[PR] Data Communications I *(fall only)*	3		CIS 386[PR] Data Communications II *(spring only)*	3
	CIS 356[PR] Database Management Syst. *(fall only)*	3		Core Course[1]	3
	Core Course[1]	3		Core Course[1]	3
	Free Elective[3]	3		Free Elective[3]	3
		15			**15**
	Summer	**Credits**			
	Fall	**Credits**		**Spring**	**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 = 121

NOTES:

[1]Choose one course from each of the Core Requirements listed on the reverse side.
[2] Course may satisfy both a Major and a Core requirement. MATH 123 will satisfy the Quantitative Reasoning Core requirement.
[3] Students may select "free electives" for personal enrichment **OR** for Minor and/or Second Major Requirements.
[PR] Course has a prerequisite – check college catalog.