

Computer Science

Bachelor of Science (BS.CS)

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
CS 112 Intro. to Programming (<i>fall</i>)	3	HCE 101 Holy Cross Experience	1	
CS 120 ^{PR} OO Software Dev. (<i>spring</i>)	3	Free Elective ^{3,4}	3	
CS 120L ^{PR} OO Software Dev. Lab (<i>spring</i>)	1	Free Elective ^{3,4}	3	
CS 232 ^{PR} Data Structures (<i>fall</i>)	3	Free Elective ^{3,4}	3	
CS 232L ^{PR} Data Structures Lab (<i>fall</i>)	1	Free Elective ^{3,4}	3	
CS 233 ^{PR} Adv. Data Structures (<i>spring</i>)	3	Free Elective ^{3,4}	3	
CS 233L ^{PR} Adv. Data Structures Lab (<i>spring</i>)	1			
CS 256 ^{PR} Database Management	3			
CS 256L ^{PR} Database Management Lab	1			
CS 270 ^{PR} Computer Organization	3			
CS 270L ^{PR} Computer Organization Lab	1			
CS 480 ^{PR} Software Engineering (<i>fall</i>)	3			
CS 481 ^{PR} Appl. Soft. Engr. OR CS 499 ^{PR} CS Internship	3			
CS Elective ^{*,PR}	3			
CS Elective ^{*,PR}	3			
CS Elective ^{*,PR}	3			
CS Elective ^{*,PR}	3			
CS Elective ^{*,PR}	3			
CS Elective ^{*,PR}	3			
MATH 127 Logic & Axiomatics	3			
MATH 129 ² Calculus I	4			
MATH 130 ^{PR} Calculus II	4			
MATH 235 ^{PR} Discrete Mathematics	3			
Total Major Credits		61	Total Elective / Other Credits	16

Total Credits Required for Graduation = 122

*A student majoring in Computer Science must complete six (6) of the following CS Electives (only 2 can be CIS courses):

CS Elective ^{*,PR}					
CS 305	CS 328	CS 364	CS 380	CS 448	CIS 386
CS 315	CS 336	CS 375	CS 420	CIS 385	CIS 487
Any CS course 300 or higher					

**The following "Free Electives" are recommended for Computer Science majors: MATH 126, MATH 237, PHYS 111 & PHYS 111L. CIS 106 is recommended particularly to freshman choosing between Computer Science and Computer Information Systems.

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 07/01/20

