

# COMPUTER AND INFORMATION SYSTEMS

## BACHELOR OF SCIENCE (B.S.)

CORE Requirements	Credits	Major Requirements	Credits	Free Electives <sup>2</sup>	Credits
CORE 090 First Yr Exp.	1	CIS 106 IT Methods & Procedures	3	Free Elective	3
CORE 100 Lib Arts Sem.	3	CS 116 Fun. of Software Dev. I ( <i>fall only</i> )	3	Free Elective	3
CORE 110 Effect Writ.	3	CS 117 <sup>3</sup> Fun. of Software Dev. II ( <i>spring only</i> )	3	Free Elective	3
CORE 115 or 116 Oral Comm.	3	CIS 119 Microcomputer Principles ( <i>spring only</i> )	3	Free Elective	3
CORE 131 or 133 Civilization	3	CIS 244 Structured Programming ( <i>fall only</i> )	3		
CORE 140 or 141-145 Forgn.	3	CIS 251 WEB-based Info. Systems ( <i>spring only</i> )	3		
CORE 150-159 Soc. Sci. <sup>1</sup>	3	CIS 255 Geographic Info. Systems ( <i>fall only</i> )	3		
CORE 160-169 Literature	3	CIS 351 Syst. Analysis, Design, & Impl. I ( <i>fall only</i> )	3		
CORE 170-179 The Arts <sup>3</sup> (178)	3	CIS 352 Syst. Analysis, Design, & Impl. II ( <i>sp only</i> )	3		
CORE 180-189 Amer. Studies <sup>1</sup>	3	CIS 356 Database Management Syst. ( <i>spring only</i> )	3		
CORE 190-199 Global Stud <sup>1</sup>	3	CIS 385 Data Communications I ( <i>fall only</i> )	3		
CORE 250-259 Syst. Theology	3	CIS 386 Data Communications II ( <i>spring only</i> )	3		
CORE 260-269 Mor. Theology	3	CIS 471 Global Information Systems	3		
CORE 270 Natural Science I	3	CIS 472 IT Project Management ( <i>fall only</i> )	3		
CORE 271-279 Nat. Sci. II	3	CIS 487 Network Security	3		
CORE 280 Philos. I	3	MATH 123 Finite Math	3		
CORE 281-289 Philos. II	3	MSB 110 Intro. To Financial Accounting	3		
		MSB 120 Intro. to Management Acct. & Plan.	3		
		CIS 499 CIS Internship	3		
		ECON 221 or MATH 126	3		
Total Credits for CORE	49	Total Credits for Major	60	Total Credits for Free Electives	12

### Total Credits Required for Graduation – 121

<sup>1</sup>Students are required to take CORE 150, CORE 180 **OR** CORE 190 to fulfill the Interdisciplinary CORE requirement.

- If a student takes CORE 150, then he/she should choose from 181 – 188 to fulfill the 18x requirement AND from 191 – 198 to fulfill the 19x requirement.
- If a student takes CORE 180, then he/she should choose from 151 – 158 to fulfill the 15x requirement AND from 191 – 198 to fulfill the 19x requirement.
- If a student takes CORE 190, then he/she should choose from 151 – 158 to fulfill the 15x requirement AND from 181 – 188 to fulfill the 18x requirement.

<sup>2</sup>Students may select “free electives” for personal enrichment **OR** for Minor and/or Second Major Requirements.

<sup>3</sup>CS 117 and CORE 178 form a learning community where students work on one project in both classes. This combination is not required but is highly recommended.

#### **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.”

# COMPUTER AND INFORMATION SYSTEMS

## SUGGESTED SEQUENCE

- Use the information below as a guide when selecting courses.
- Refer to the reverse side when selecting major courses, major electives, core courses, and free electives when applicable.
- Consult your Academic Advisor prior to course registration.
- Refer to the King's College Catalog and/or website for course titles and descriptions.
- Choose one course from each CORE category as listed on the reverse side.
  - CORE courses may be taken in any order approved by the academic advisor with the following conditions:
    - CORE 100 and CORE 110 should be taken in the first year.
    - CORE 115 (or 116) should be taken within the first two years.
    - For students selecting a Foreign Language (CORE 14x), every effort should be made to register for that language in the first semester at King's.

<b>1<sup>st</sup> Year - Fall</b>		cr.	<b>1<sup>st</sup> Year - Spring</b>		cr.
CIS 106 IT Methods & Procedures	3		CIS 119 Microcomputer Principles ( <i>spring only</i> )	3	
CS 116 Fun. of Software Dev. I ( <i>fall only</i> )	3		CS 117 <sup>3</sup> Fun. of Software Dev. II ( <i>spring only</i> )	3	
MSB 110 Intro. To Financial Accounting	3		MSB 120 Intro. to Management Acct. & Plan.	3	
MATH 123 Finite Math	3		CORE 170-179 ( <i>Core 178 Imaginative Writing<sup>3</sup></i> )	3	
CORE 110 Effective Writing	3		CORE 100 Liberal Arts Seminar	3	
CORE 090 First Year Experience	1				
	<b>16</b>				<b>15</b>
<b>2<sup>nd</sup> Year - Fall</b>			<b>2<sup>nd</sup> Year - Spring</b>		
CIS 244 Structured Programming ( <i>fall only</i> )	3		CIS 251 WEB-based Info. Systems ( <i>spring only</i> )	3	
CIS 255 Geographic Info. Systems ( <i>fall only</i> )	3		ECON 221 Quant. Methods for Bus. & Econ. I	3	
CORE	3		<b>OR</b> MATH 126 Intro to Statistics		
CORE	3		CORE	3	
CORE	3		CORE	3	
			CORE	3	
	<b>15</b>			<b>15</b>	
<b>3<sup>rd</sup> Year - Fall</b>			<b>3<sup>rd</sup> Year - Spring</b>		
CIS 351 Syst. Analysis, Design, & Impl. I ( <i>fall only</i> )	3		CIS 352 Syst. Analysis, Design, & Impl. II ( <i>spring only</i> )	3	
CIS 385 Data Communications I ( <i>fall only</i> )	3		CIS 386 Data Communications II ( <i>spring only</i> )	3	
CORE	3		CIS 356 Database Management Syst. ( <i>spring only</i> )	3	
CORE	3		CORE	3	
Free Elective <sup>2</sup>	3		Free Elective <sup>2</sup>	3	
	<b>15</b>			<b>15</b>	
<b>4<sup>th</sup> Year - Fall</b>			<b>4<sup>th</sup> Year - Spring</b>		
CIS 499 CIS Internship	3		CIS 471 Global Information Systems	3	
CIS 472 IT Project Management	3		CIS 487 Network Security	3	
CORE	3		CORE	3	
CORE	3		CORE	3	
Free Elective <sup>2</sup>	3		Free Elective <sup>2</sup>	3	
	<b>15</b>			<b>15</b>	
<b>Total Credits Required for Graduation = 121</b>					

<sup>3</sup>CS 117 and CORE 178 form a learning community where students work on one project in both classes. This combination is not required but is highly recommended.