# COMPUTER AND INFORMATION SYSTEMS

## BACHELOR OF SCIENCE (BS.CIS)

| CORE Requirements | Credits |
|---|---|
| CORE 090 First Year Exp. | 1 |
| CORE 100 Lib Arts Sem. | 3 |
| CORE 110 Effect Writ. | 3 |
| CORE 115 or 116 Oral Comm. | 3 |
| CORE 131 or 133 Civilization | 3 |
| CORE 140 or 141-145 Forgn. | 3 |
| CORE 150-159 Soc. Sciences [1] | 3 |
| CORE 160-169 Literature | 3 |
| CORE 170-179 The Arts | 3 |
| CORE 180-189 Amer. Studies[1] | 3 |
| CORE 190-199 Global Studies[1] | 3 |
| CORE 250-259 Syst. Theology | 3 |
| CORE 260-269 Mor. Theology | 3 |
| CORE 270 Natural Science I | 3 |
| CORE 271-279 Nat. Sci. II | 3 |
| CORE 280 Philosophy I | 3 |
| CORE 281-289 Philosophy II | 3 |
| Total Credits for CORE | 49 |

| Major Requirements | Credits |
|---|---|
| CIS 106 IT Methods & Procedures | 3 |
| CS 112 Intro. to Programming *(fall only)* | 3 |
| CS 120 OO Software Development *(spring only)* | 3 |
| CS 120L OO Software Devel. Lab *(spring only)* | 1 |
| CIS 119 Microcomputer Principles *(spring only)* | 3 |
| CIS 244 Structured Programming *(fall only)* | 3 |
| CIS 251 WEB-based Info. Systems *(spring only)* | 3 |
| CIS 255 Geographic Info. Systems *(fall only)* | 3 |
| CIS 351 Syst. Analysis, Design, & Impl. I *(fall only)* | 3 |
| CIS 352 Syst. Analysis, Design, & Impl. II *(sp only)* | 3 |
| CIS 356 Database Management Syst. *(spring only)* | 3 |
| CIS 385 Data Communications I *(fall only)* | 3 |
| CIS 386 Data Communications II *(spring only)* | 3 |
| CIS 471 Global Information Systems | 3 |
| CIS 472 IT Project Management *(fall only)* | 3 |
| CIS 487 Network Security | 3 |
| MATH 123 Finite Math | 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 Major | 61 |

| Free Electives[2] | Credits |
|---|---|
| Free Elective | 3 |
| Free Elective | 3 |
| Free Elective | 3 |
| Free Elective | 3 |
| Total Credits for Free Electives | 12 |

**Total Credits Required for Graduation – 122**

[1]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.

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

**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

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**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.

| | **1st Year - Fall** | cr. | | **1st Year - Spring** | cr. |
|---|---|---|---|---|---|
| | CIS 106 IT Methods & Procedures | 3 | | CIS 119 Microcomputer Principles *(spring only)* | 3 |
| | CS 112 Intro. to Programming *(fall only)* | 3 | | CS 120 OO Software Development *(spring only)* | 3 |
| | MSB 110 Intro. To Financial Accounting | 3 | | CS 120L OO Software Development Lab *(spring only)* | 1 |
| | MATH 123 Finite Math | 3 | | MSB 120 Intro. to Management Acct. & Plan. | 3 |
| | CORE 110 Effective Writing | 3 | | CORE 170-179 | 3 |
| | CORE 090 First Year Experience | 1 | | CORE 100 Liberal Arts Seminar | 3 |
| | | **16** | | | **16** |
| | **2nd Year - Fall** | | | **2nd Year – Spring** | |
| | CIS 244 Structured Programming *(fall only)* | 3 | | CIS 251 WEB-based Info. Systems *(spring only)* | 3 |
| | CIS 255 Geographic Info. Systems *(fall only)* | 3 | | ECON 221 Quant. Methods for Bus. & Econ. I | 3 |
| | CORE | 3 | | **OR** MATH 126 Intro to Statistics | |
| | CORE | 3 | | CORE | 3 |
| | CORE | 3 | | CORE | 3 |
| | | | | CORE | 3 |
| | | **15** | | | **15** |
| | **3rd Year – Fall** | | | **3rd Year – Spring** | |
| | CIS 351 Syst. Analysis, Design, & Impl. I *(fall only)* | 3 | | CIS 352 Syst. Analysis, Design, & Impl. II *(spring only)* | 3 |
| | CIS 385 Data Communications I *(fall only)* | 3 | | CIS 386 Data Communications II *(spring only)* | 3 |
| | CORE | 3 | | CIS 356 Database Management Syst. *(spring only)* | 3 |
| | CORE | 3 | | CORE | 3 |
| | Free Elective[2] | 3 | | Free Elective[2] | 3 |
| | | **15** | | | **15** |
| | **4th Year - Fall** | | | **4th Year - Spring** | |
| | 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[2] | 3 | | Free Elective[2] | 3 |
| | | **15** | | | **15** |

**Total Credits Required for Graduation = 122**