## COMPUTER SCIENCE – BUSINESS

### BACHELOR OF SCIENCE (B.S.)

<table>
<thead>
<tr>
<th>CORE Requirements</th>
<th>Credits</th>
<th>Computer Science Requirements</th>
<th>Credits</th>
<th>Business Requirements</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CORE 090 First Yr Exp.</td>
<td>1</td>
<td>CS 116 Fundamentals of Program. I</td>
<td>3</td>
<td>ECON 112 Micro Economics</td>
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<td>CORE 100 Lib Arts Sem.</td>
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<td>CS 116L Fund. of Program. I Lab</td>
<td>0</td>
<td>ECON 221 Quant Meth for Bus.&amp; Econ</td>
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<tr>
<td>CORE 110 Effect Writ.</td>
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<td>CS 117 Fundamentals of Program. II</td>
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<td>MSB 110 Intro to Financial Reporting</td>
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<tr>
<td>CORE 115 or 116 Oral Comm.</td>
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<td>CS 117L Fund. of Program. II Lab</td>
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<td>MSB 120 Intro to Mgmt Control &amp; Plan</td>
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<tr>
<td>CORE 131 or 133 Civilization</td>
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<td>CS 232 Data Structures</td>
<td>3</td>
<td>MSB 200 Principles of Management</td>
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<td>CORE 140 or 141-145 Forgn.</td>
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<td>CS 232L Data Structures Lab</td>
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<td>MSB 210 Principles of Marketing</td>
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<td>CORE 153 Macro Econ</td>
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<td>CS 233 Adv. Data Structures</td>
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<td>MSB 220 Financial Management</td>
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<tr>
<td>CORE 160-164 Literature</td>
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<td>CS 233L Adv. Data Structures Lab</td>
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<td>Business Elective 1&lt;sup&gt;4&lt;/sup&gt;</td>
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<tr>
<td>CORE 170-179 The Arts</td>
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<td>CS 256 Database Management</td>
<td>3</td>
<td>Business Elective 2&lt;sup&gt;4&lt;/sup&gt;</td>
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<tr>
<td>CORE 180-189 Amer. Studies&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
<td>CS 256L Database Management Lab</td>
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<tr>
<td>CORE 190-199 Glbl Studies&lt;sup&gt;1,2&lt;/sup&gt;</td>
<td>3</td>
<td>CS 270 Computer Organization</td>
<td>3</td>
<td>CS 499 CS Internship</td>
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<tr>
<td>CORE 250-259 Syst. Theology</td>
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<td>CS 270L Computer Organization Lab</td>
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<td>CS Elective*</td>
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<td>CORE 260-269 Mor. Theology</td>
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<td>CS 480 Software Engineering</td>
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<td>CS Elective*</td>
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<td>CORE 270 Natural Science I</td>
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<td>CS 481 Applied Software Engineering</td>
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<td>CS Elective*</td>
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<td>CORE 271-279 Nat. Sci. II</td>
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<td>CORE 280 Philos. I</td>
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<td>CS Elective*</td>
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<td>MATH 127 Logic &amp; Axiomatics</td>
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<td>CORE 281-289 Philos. II&lt;sup&gt;3&lt;/sup&gt;</td>
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<td>CS Elective*</td>
<td>3</td>
<td>MATH 129 Calculus I</td>
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</table>

Total Credits = 136

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

```
CS Electives*
Choose any six (6) of the following courses:

- CS 305
- CS 306
- CS 315
- CS 316
- CS 328
- CS 336
- CS 364
- CS 380
- CS 420
- CS 448
- CS 385
- CS 386
- CS 487

Any CS course 300 or higher
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1Since CORE 153 is a course requirement, students are required to take CORE 180 OR CORE 190 to fulfill the Interdisciplinary CORE requirement.

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

2Students are encouraged to take CORE 193 – Globalization to fulfill the Global Studies requirement.

3Students are encouraged to take either MSB 287 – Business Ethics, CORE 284 – Environmental Ethics, or CORE 288 – Bioethics to fulfill the Philosophy II requirement.

4Computer Science students are encouraged to pursue the following Fall/Spring course sequences to fulfill the Business Elective 1 and 2 requirements:

- Accounting: ACCT 115/L – Introduction to Financial Accounting I w/ Lab and ACCT 301 – Intermediate Accounting I

See reverse side for a suggested sequence

Updated 04/22/15
**COMPUTER SCIENCE – BUSINESS**

**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 available semester at King’s.

<table>
<thead>
<tr>
<th>1st Year - Fall</th>
<th>cr.</th>
<th>1st Year - Spring</th>
<th>cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 116 Fund. of Programming I (fall only)</td>
<td>3</td>
<td>CS 117 Fund. of Programming II (spring only)</td>
<td>3</td>
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<tr>
<td>CS 116L Fund. of Program. I Lab (fall only)</td>
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<td>CS 117L Fund. of Program. II Lab (spring only)</td>
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<tr>
<td>MATH 127 Logic &amp; Axiomatics (fall only)</td>
<td>3</td>
<td>MATH 130 Analytical Geometry &amp; Calculus II</td>
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<tr>
<td>MATH 129 Analytical Geometry &amp; Calculus I</td>
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<tr>
<td>CORE</td>
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<td>CORE</td>
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<tr>
<td>CORE 090 First Year Experience</td>
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<th>2nd Year – Spring</th>
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<tbody>
<tr>
<td>CS 232 Data Structures (fall only)</td>
<td>3</td>
<td>CS 233 Adv. Data Structures (spring only)</td>
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<tr>
<td>CS 232L Data Structures (fall only)</td>
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<td>CS 233L Adv. Data Structures Lab (spring only)</td>
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<tr>
<td>CS 256 Database Management Systems</td>
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<td>CS 270 Computer Organization</td>
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<td>CS 256L Database Management Systems Lab</td>
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<td>CS 270L Computer Organization Lab</td>
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<td>MATH 235 Discrete Mathematics</td>
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<td>ECON 112 Micro Economics</td>
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<td>CORE 153 Macro Economics</td>
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<tbody>
<tr>
<td>CS Elective *</td>
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<td>CS Elective *</td>
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<tr>
<td>CS Elective *</td>
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<td>CS Elective *</td>
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<tr>
<td>MSB 110 Intro to Financial Reporting</td>
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<td>MSB 120 Intro to Mgmt Control &amp; Plan</td>
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<td>MSB 200 Principles of Management</td>
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<th>4th Year – Spring</th>
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<tbody>
<tr>
<td>CS 480 Software Engineering</td>
<td>3</td>
<td>CS 481 Applied Software Engineering OR</td>
<td>3</td>
</tr>
<tr>
<td>CS Elective *</td>
<td>3</td>
<td>CS 499 CS Internship</td>
<td>-</td>
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<td>ECON 221 Quant. Meth. for Bus.&amp; Econ</td>
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<td>CS Elective *</td>
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<td>Business Elective 1*</td>
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<td>MSB 220 Financial Management</td>
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<td>Business Elective 2*</td>
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<td><strong>Total credits</strong></td>
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**Total Credits Required for Graduation = 136**

*Students are encouraged to take summer courses to relieve the course load pressure during this semester.