

This course plan is a recommended sequence for this major. Courses designated as critical (!) may have a deadline for completion and/or affect time to graduation. Please see the Program Notes section for details regarding "critical courses" for this particular Program of Study.

| !  | Course Subject and Title   | Credit Hours | Min. Grade <sup>1</sup> | Program GPA <sup>2</sup> | Code             | Prerequisites  | Notes |
|--|--|--------------|-------------------------|--------------------------|------------------|--|-------|
| <b>Semester One (16 Credit Hours)</b>            |  |              |                         |                          |                  |  |       |
|  | ITEC 101 Thriving in the Tech Age  | 3            | C                       | *                        | PR               |  |       |
|  | ENGL 101 Critical Reading and Composition  | 3            | C                       |                          | CC-CMW           |  |       |
|  | STAT 201 Elementary Statistics<br>or STAT 205 Elem. Stat. for the Biol. & Life Sci.  | 3            |                         |                          | CC-ARP           | MATH 111 or 115 or STAT 110 (STAT 201); MATH 111 or higher (STAT 205)  |       |
|  | Carolina Core SCI <sup>3</sup>   | 4            |                         |                          | CC-SCI           |  |       |
|  | Approved Elective (UNIV 101 recommended)<br>or Carolina Core Requirement <sup>3</sup>  | 3            |                         |                          | PR/CC            |  |       |
| <b>Semester Two (15 Credit Hours)</b>            |  |              |                         |                          |                  |  |       |
|  | ITEC 233 Intro. to Computer Hardware & Software  | 3            | C                       | *                        | PR               |  |       |
| !  | ITEC 264 Computer Applications in Business I   | 3            | C                       | *                        | PR               |  |       |
|  | ENGL 102 Rhetoric and Composition  | 3            |                         |                          | CC-CMW<br>CC-INF | C or better in ENGL 101  |       |
|  | Carolina Core GSS <sup>3</sup>   | 3            |                         |                          | CC-GSS           |  |       |
|  | Carolina Core SCI <sup>3</sup>   | 3            |                         |                          | CC-SCI           |  |       |
| <b>Semester Three (15-17 Credit Hours)</b>       |  |              |                         |                          |                  |  |       |
| !  | ITEC 245 Introduction to Networking  | 3            | C                       | *                        | PR               | C or better in ITEC 233  |       |
| !  | ITEC 265 Introduction to Databases   | 3            | C                       | *                        | PR               |  |       |
| !  | CSCE 204 Program Design & Development<br>or ITEC 204 Program Design and Development<br>(cross-listed MGSC 298)<br>or CSCE 145 Algorithmic Design I | 3-4          | C                       | *                        | PR               | CSCE 101 or MGSC 290 or ITEC 264<br>(CSCE 204 & ITEC 204);<br>MATH 111 or 115 (CSCE 145)                             |       |
|  | RETL 261 Principles of Accounting I  | 3            |                         |                          | PR               |  |       |
|  | Carolina Core GFL <sup>4</sup> or Approved Elective <sup>5</sup>   | 3-4          |                         |                          | CC-GFL<br>/PR    |  |       |
| <b>Semester Four (15-16 Credit Hours)</b>        |  |              |                         |                          |                  |  |       |
|  | ITEC 242 Business Communication<br>or ENGL 462 Technical Writing<br>or ENGL 463 Business Writing   | 3            |                         |                          | PR               | C or better in ENGL 101 & 102  |       |
|  | ITEC 352 Software Design<br>or CSCE 146 Algorithmic Design II  | 3-4          | C                       | *                        | PR               | C or better in CSCE/ITEC 204 (ITEC 352);<br>C or better in CSCE 145 & Prereq or<br>Coreq: MATH 122 or 141 (CSCE 146) |       |
|  | ITEC 370 Database Systems in IT  | 3            | C                       | *                        | MR               | C or better in ITEC 265  |       |
|  | RETL 262 Principles of Accounting II   | 3            |                         |                          | PR               | RETL 261   |       |
|  | Carolina Core GFL <sup>4</sup> or Approved Elective <sup>5</sup>   | 3            |                         |                          | CC-GFL<br>/PR    |  |       |
| <b>Semester Five (15 Credit Hours)</b>           |  |              |                         |                          |                  |  |       |
| !  | ITEC 301 Professional Internship Seminar   | 3            | C                       | *                        | MR               | C or better in ITEC 242 & 370  |       |
|  | ITEC 362 Introduction to Web Systems   | 3            | C                       | *                        | MR               | C or better in ITEC 101, CSCE 101 or 102   |       |
| !  | ITEC 445 Advanced Networking   | 3            | C                       | *                        | MR               | C or better in ITEC 245  |       |
|  | MATH 174 Discrete Math. for Computer Science   | 3            | C                       |                          | CC-ARP           | C or better in MATH 115, 116, 122, or 141<br>or Math placement test score  |       |
|  | Carolina Core GHS <sup>3</sup>   | 3            |                         |                          | CC-GHS           |  |       |
| <b>Semester Six (15 Credit Hours)</b>            |  |              |                         |                          |                  |  |       |
|  | ITEC 444 Intro. to Human Computer Interaction  | 3            | C                       | *                        | MR               | C or better in either CSCE 204 or 145; & C<br>or better in ITEC 362  |       |
|  | ITEC 447 Management of Info. Technology  | 3            | C                       | *                        | MR               | C or better in ITEC 101 & 245  |       |
|  | ITEC 493 IT Security for Managers  | 3            | C                       | *                        | MR               | C or better in ITEC 445  |       |
|  | SPCH 140 Public Communication<br>or SPCH 230 Business & Professional Speaking  | 3            |                         |                          | CC-CMS           |  |       |
|  | SPTL 240 Business Law  | 3            |                         |                          | PR               |  |       |
| <b>Summer After Junior Year (6 Credit Hours)</b> |  |              |                         |                          |                  |  |       |
| !  | ITEC 495 – Professional Internship <sup>6</sup>  | 6            | C                       | *                        | MR               | C or better in ITEC 301  |       |
| <b>Semester Seven (12 Credit Hours)</b>          |  |              |                         |                          |                  |  |       |
| !  | ITEC 560 Project Management Methods  | 3            | C                       | *                        | MR               | C or better in ITEC 362; & C or better in<br>ITEC 264 or MGSC 290  |       |
|  | HRTM 344 Personnel Organization & Supervision<br>or MGMT 371 Principles of Management  | 3            |                         |                          | PR               |  |       |
|  | ECON 224 Introduction to Economics   | 3            |                         |                          | PR               |  |       |
|  | Carolina Core VSR <sup>3</sup> or Approved Elective <sup>5</sup>   | 3            |                         |                          | CC/PR            |  |       |

| Semester Eight (12 Credit Hours) |   |   |   |   |              |                                    |  |
|----------------------------------|---|---|---|---|--------------|------------------------------------|--|
|                                  | ITEC 564 Capstone Project for Info. Technology  | 3 | C | * | MR<br>CC-INT | C or better in ITEC 362 & ITEC 560 |  |
| !                                | ITEC Elective <sup>7</sup> (400 level or above) | 3 | C | * | MR           | See Bulletin listing.              |  |
|                                  | Carolina Core AIU <sup>3</sup>                  | 3 |   |   | CC-AIU       |                                    |  |
|                                  | Approved Elective <sup>5</sup>                  | 2 |   |   | PR           |                                    |  |

### Graduation Requirements Summary

| Minimum Total Hours | Minimum Major Requirements Hours | College & Program Requirements Hours | Carolina Core Hours | Minimum Institutional GPA |
|---------------------|----------------------------------|--------------------------------------|---------------------|---------------------------|
| 120                 | 36                               | 41-53                                | 31-43               | 2.00                      |

- Regardless of individual course grades, students must maintain a minimum 2.00 cumulative GPA.
- Some colleges require a minimum GPA for major courses. Courses indicated in this column are included in the Integrated Information Technology program GPA minimum requirement of 2.00.
- The [Carolina Core](#) provides the common core of knowledge, skill and academic experience for all Carolina undergraduate students.
- Students in the College of Engineering and Computing are required to demonstrate proficiency in one foreign language equivalent to the 121 course by 1) a score of two or better on the foreign language placement test; or 2) completion of the 109 and 110 courses in FREN, GERM, LATN, or SPAN or completion of the 121 course in another foreign language.
- The IIT curriculum includes 2-14 hours of approved (free) electives, depending on how students fulfill the Carolina Core requirements. Any course in the university can be used to satisfy the elective requirement (including additional electives in the major). Although not required, UNIV 101 is a recommended elective for all students in their first semester attending University of South Carolina.
- Internship coordinated by a faculty member and supervised by an approved business supervisor. Internship agreement approval by supervisor and instructor is required.
- ITEC Elective** (3 hours): Any 3-credit ITEC course numbered 400 or above that is not used to satisfy a major or minor requirement.

### Program Notes:

- Courses designated as "critical" (!) may affect time to graduation due to prerequisite requirements for subsequent required courses.
- In order to satisfy the requirements for a degree in Integrated Information Technology and regardless of other satisfactory work, a student may not take an ITEC course more than two times. For this purpose, withdrawal from a course with a grade of **W** is not regarded as enrollment in that course.
- The last 25% of a student's degree must be completed in residence at the University, and at least half of the hours in the student's major courses and in the student's minor courses (if applicable) must be taken at the University.
- Disclaimer: Prerequisites on courses are subject to change. Please refer to Bulletin.

**University Requirements:** Bachelor's degree-seeking students must meet Carolina Core (general education) requirements. For more information regarding these requirements, please visit the [Carolina Core](#) page on the University website.

| Codes:        |  |               |   |
|---------------|--|---------------|---|
| <b>CC</b>     | Carolina Core  | <b>CC-INF</b> | Carolina Core – Information Literacy                      |
| <b>CC-AIU</b> | Carolina Core-Aesthetic and Interpretive Understanding                             | <b>CC-INT</b> | Carolina Core – Integrative Course                        |
| <b>CC-ARP</b> | Carolina Core-Analytical Reasoning and Problem-Solving                             | <b>CC-SCI</b> | Carolina Core – Scientific Literacy                       |
| <b>CC-CMS</b> | Carolina Core-Effective, Engaged, and Persuasive Communication: Spoken Component   | <b>CC-VSR</b> | Carolina Core – Values, Ethics, and Social Responsibility |
| <b>CC-CMW</b> | Effective, Engaged, and Persuasive Communication: Written Component                | <b>CR</b>     | College Requirement                                       |
| <b>CC-GFL</b> | Carolina Core-Global Citizenship and Multicultural Understanding: Foreign Language | <b>MR</b>     | Major Requirement   |
| <b>CC-GHS</b> | Carolina Core – Historical Thinking  | <b>PR</b>     | Program Requirement                                       |
| <b>CC-GSS</b> | Carolina Core – Social Sciences  |               |   |

Disclaimer: Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.