### CORE CURRICULUM – 43-44 Semester Hours (SH)

<table>
<thead>
<tr>
<th>UNIVERITY CORE</th>
<th>A. Core Foundations</th>
<th>B. Core Skills &amp; Knowledge</th>
<th>COLLEGE CORE</th>
<th>A. National &amp; International Perspectives</th>
<th>B. Supporting Skills &amp; Knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORE 101</td>
<td></td>
<td></td>
<td></td>
<td>U. S. PERSPECTIVES (3 SH)</td>
<td>NATURAL SCI. OR MATHEMATICAL SCIENCES (3/4 SH)</td>
</tr>
<tr>
<td>CORE 102</td>
<td></td>
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<td>(Must select a 4-credit lab science)</td>
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<tr>
<td>CORE 103*</td>
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<tr>
<td>CORE 201</td>
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<td>CORE 202</td>
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</tbody>
</table>

**NOTE:** Courses listed in multiple areas can only be used to fulfill a single area requirement.

**Students can use only one course with their major prefix to fulfill core requirements.**

* Honors course – will replace CORE 101 & 102 for those students in the RU honors program

**SOCIAL/BEHAV. SCI. OR HEALTH & WELLNESS (3 SH) **

**VISUAL & PERFORMING ARTS (3 SH)**

**HUMANITIES (3 SH)**

**MATHEMATICAL SCIENCES (3 SH)**

**PHYSICAL SCIENCES (4 SH)**

**U.S. PERSPECTIVES (3 SH)**

**U.S. HISTORICAL PERSPECTIVES (4 SH)**

**GLOBAL PERSPECTIVES (3 SH)**

**INTERDISCIPLINARY CONCENTRATION – 3 SH**

**CONCENTRATION – 3 SH**

**CONCENTRATION – 3 SH**

**CONCENTRATION – 3 SH**

**CONCENTRATION – 3 SH**

**CONCENTRATION – 3 SH**

**CONCENTRATION – 3 SH**

**ISAS – Web Development Concentration**

* A grade of C or better is required for any course with an asterisk

**Web Development CONCENTRATION**

- *ITEC 110* (3) Principles of Information Technology
- *ITEC 120* (4) Principles of Computer Science I
- *ITEC 220* (4) Principles of Computer Science II
- *ITEC 225* (3) Web Programming I
- *ITEC 345* (3) Introduction to Information Security
- *ITEC 490* (1) IT Professionalism
- *ITEC 226* (3) Digital Imaging for the Web
- *ITEC 227* (1) Animation for the Web
- *ECON 106* (3) Principles of Economics II
- *ACTG 211* (3) Fundamentals of Financial Accounting
- *MATH 126* (3) Business Calculus
- *STAT 200* (3) Introduction to Statistics
- *MKTG 340* (3) Essentials of Marketing
- *ITEC 315* (3) Graphical User Interface Design & Implementation
- *ITEC 325* (3) Web Programming II
- *ITEC 335* (3) Software Testing
- *ITEC 340* (3) Database I
- *ITEC 350* (3) Introduction to Computer Networking
- *ITEC 370* (3) Software Engineering I
- *ITEC 425* (3) Advanced Web Programming
- *COMS 326* (3) Web Production

**Either:**
- *ITEC 442* (3) Data Warehousing, Mining and Reporting
- *ITEC 485* (3) Decision Support Systems

**Prerequisites**

- “C” or better ITEC 120
- “C” or better ITEC 109 or ITEC 120
- “C” or better in ITEC 109 or ITEC 120
- Senior Standing (86 hours or more)
- ITEC 109 or 120 (“C” or better)
- ITEC 109 or 120 (“C” or better)
- ITEC 225 (“C” or better ITEC 225)
- ITEC 225 (“C” or better, and ITEC 340)
- ITEC 110, 220 and 225 Three (3) hours or more
- ITEC 109 or 120 (“C” or better)
- ITEC 109 or 120 (“C” or better)
- ITEC 225 (“C” or better ITEC 225)
- ITEC 225 (“C” or better, and ITEC 340)
- ITEC 110, 220 and 225 Three (3) hours or more
- ITEC 109 or 120 (“C” or better)
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- ITEC 225 (“C” or better ITEC 225)
- ITEC 225 (“C” or better, and ITEC 340)
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- ITEC 225 (“C” or better ITEC 225)
- ITEC 225 (“C” or better, and ITEC 340)
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- ITEC 225 (“C” or better, and ITEC 340)
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- ITEC 225 (“C” or better ITEC 225)
- ITEC 225 (“C” or better, and ITEC 340)
- ITEC 110, 220 and 225 Three (3) hours or more
- ITEC 109 or 120 (“C” or better)
- ITEC 109 or 120 (“C” or better)
- ITEC 109 or 120 (“C” or better)
- ITEC 225 (“C” or better ITEC 225)
- ITEC 225 (“C” or better, and ITEC 340)
- ITEC 110, 220 and 225 Three (3) hours or more
- ITEC 109 or 120 (“C” or better)
Sample Schedule B.S. Information Systems – Web Development Concentration 13/14  
ABET Accredited

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Cr.</th>
<th>Spring Semester</th>
<th>Cr.</th>
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<tbody>
<tr>
<td><strong>Freshman Year</strong></td>
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<td><strong>Freshman Year</strong></td>
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<tr>
<td>University Core A: Core 101</td>
<td>3</td>
<td>University Core A: Core 102</td>
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<tr>
<td>*ITEC 110</td>
<td>3</td>
<td>*ITEC 220</td>
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<tr>
<td>*ITEC 120</td>
<td>4</td>
<td>STAT 200</td>
<td>3</td>
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<tr>
<td>MATH 126 Four Years of High School Math</td>
<td>3</td>
<td>ITEC 226</td>
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<td>UNIV 100</td>
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<td>CORE</td>
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Students with no programming experience are advised to take ITEC 109 their first semester. This course does not count towards major requirements, but will count towards the 120 credit hours needed to graduate. *Students must receive a grade of “C” or better in courses marked with an asterisk.*

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Cr.</th>
<th>Sophomore Year</th>
<th>Cr.</th>
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<tbody>
<tr>
<td>University Core A: Core 201</td>
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<td>University Core A: Core 202</td>
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<tr>
<td>*ITEC 225 “C” or better either ITEC 109 or ITEC 120</td>
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<td>ITEC 340 ITEC 110 and 220 “C” or better</td>
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<tr>
<td>ACTG 211 Sophomore Standing</td>
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<td>ITEC 335 ITEC 110, 220, 225 “C” or better</td>
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<tr>
<td>ECON 106</td>
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<td>COMS 326 COMS 226 or ITEC 225</td>
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<tr>
<td>CORE Natural Science</td>
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<td>CORE Natural Science</td>
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CORE 101, 102, 201, and 202 must be completed in succession. Students should complete CORE 202 prior to their junior year.

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Cr.</th>
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<th>Cr.</th>
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<tbody>
<tr>
<td>ITEC 325 ITEC 225 “C” or better, ITEC 340</td>
<td>3</td>
<td>ITEC 370 ITEC 110 and 220 “C” or better</td>
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<tr>
<td>ITEC 350 ITEC 110 &amp; 220 “C” or better</td>
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<td>ITEC 425 (S Only) ITEC 325</td>
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<tr>
<td>ITEC 227</td>
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<td>CORE</td>
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<tr>
<td>MKTG 340 Junior Standing</td>
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<td>Free elective</td>
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<tr>
<td>CORE</td>
<td>3</td>
<td>ITEC 315 (S only) ITEC 225 “C” or better</td>
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<td>Elective</td>
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<thead>
<tr>
<th>Senior Year</th>
<th>Cr.</th>
<th>Senior Year</th>
<th>Cr.</th>
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<tbody>
<tr>
<td>*ITEC 490 senior standing</td>
<td>1</td>
<td>Free elective</td>
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<tr>
<td>CORE</td>
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<td>B.S. requirements (see below)</td>
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</tr>
<tr>
<td>B.S. requirement ITEC 3/4XX (see below)</td>
<td>3</td>
<td>ITEC 345 ITEC 120 “C” or better</td>
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<tr>
<td>ITEC 442 or ITEC 485</td>
<td>3</td>
<td>Free elective</td>
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<tr>
<td>CORE</td>
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<td>CORE</td>
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<tr>
<td>Elective</td>
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B.S. requirements 6-8 hrs:

___ (3) Three hours chosen from the following: Any 300 level or above ITEC course (except ITEC 301, ITEC 304 and ITEC 400).

___ (3-4) The remaining hours chosen from the following: Any 300 level or above ITEC course (except ITEC 301, ITEC 304 and ITEC 400), MATH 152, any 200 level or above MATH course, ASTR 111, ASTR 112, and BIOL (except BIOL 301 and 302), any CHEM, any GEOL (except GEOL 110 and 205), any PHYS, PHSC 301.