

**Jeffrey S. Raikes School Requirements**  
**Program, General Education & Degree Requirements Log**

Updated 6/8/2011

Major: CBA Major Area: Actuarial Science Bulletin: 2011

**Non-Business Requirements**

|  |   |    |        |
|--|---|----|--------|
| NBR 1: Written Communication (ACE 1)                                       |   | HR |        |
| ENGL 101, 150 OR 151   |   | 3  |        |
| NBR 2: Mathematical, Computational Statistical or Formal Reasoning (ACE 3) |   |    |        |
| MATH 106   | Calculus I                                  | 5  |        |
| MATH 107   | Calculus II                                 | 5  |        |
| MATH 208   | Calculus III                                | 4  |        |
| CSCE 101, 101L   | Fundamentals of Computer Science            | 3  | Waived |
| NBR 3: Natural and Physical Worlds (ACE 4)                                 |   |    |        |
|  |   | 3  |        |
| NBR 4: Humanities (ACE 5)  |   |    |        |
|  |   | 3  |        |
| NBR 5: Arts (ACE 7)  |   |    |        |
|  |   | 3  |        |
| NBR 6: Global Awareness (ACE 9)  |   |    |        |
|  | ECON 321 suggested (Meets IBCR Requirement) | 3  |        |
| NBR 7: Business Communications (ACE 1)                                     |   |    |        |
| JGEN 220   | Business Communications                     | 3  | Waived |
| NBR 8: Oral Communication (ACE 2)  |   |    |        |
| COMM 286   | Communication                               | 3  | Waived |
|  |   | 29 |        |

**Business Core Foundation**

|          |                                 |   |        |
|----------|---------------------------------|---|--------|
| BCF1     |                                 |   |        |
| BSAD 101 | Business Leadership Development | 1 | Waived |
| BCF 2    |                                 |   |        |
| BSAD 150 | Business Computer Applications  | 1 | Waived |
| BCF 3    |                                 |   |        |
| ACCT 201 | Introductory Accounting I       | 3 | Waived |
| ACCT 202 | Introductory Accounting II      | 3 | Waived |
| BCF 4    |                                 |   |        |
| ECON 211 | Macroeconomics                  | 3 | Waived |
| ECON 212 | Microeconomics                  | 3 | Waived |
| BCF 5    |                                 |   |        |
| STAT 380 | Statistics                      | 3 |        |
| STAT 462 | Math Stat I                     | 3 |        |
| STAT 463 | Math Stat II                    | 3 |        |
|          |                                 | 9 |        |

**Business Core Intermediate**

|                 |  |   |        |
|-----------------|--|---|--------|
| BCI 1           |  |   |        |
| BLAW 371 or 372 | Business Law (372 for Accounting Majors) | 3 |        |
| BCI 2           |  |   |        |
| MNGT/MIST 350   | Management Information Systems           | 3 | Waived |
| BCI 3           |  |   |        |
| FINA 461        | Advanced Finance                         | 3 | Waived |
| BCI 4           |  |   |        |
| MRKT 341        | Marketing                                | 3 | Waived |
| BCI 5           |  |   |        |
| MNGT 331        | Operations and Supply Chain              | 3 | Waived |
| BCI 6           |  |   |        |
| MNGT 360        | Managing Behavior in Organizations       | 3 |        |
|                 |  | 6 |        |

**Business Core Advanced - Actuarial Science Major ("recommended" classes are not required)**

|                      |  |    |        |
|----------------------|--|----|--------|
| ACTS 430 (VEE STAT)  | Actuarial Applications of Applied Statistics   | 3  |        |
| ACTS 440             | Financial Mathematics  | 4  |        |
| ACTS 470             | Life Contingencies I   | 3  |        |
| ACTS 471             | Life Contingencies II  | 3  |        |
| ACTS 473             | Intro to Risk Theory   | 3  |        |
| ACTS 475             | Actuarial Applications in Practice   | 3  |        |
| FINA 307 OR FINA 338 | Principles of Individual Risk Management, OR Principles of Corporate Risk Management | 3  |        |
| FINA 363             | Investment Principles  | 3  | Waived |
| ACTS 410 OR 450      | Credibility, Smoothing Data, and Simulation OR Stochastic Processes                  | 3  |        |
| ACTS 425             | Survival Models (Recommended)  | 3  |        |
| FINA 467             | Options, Futures and Derivative Securities (Recommended)                             | 3  |        |
| MATH 314             | Applied Linear Algebra (Recommended)   | 3  |        |
| ACTS 401             | ACTS Lab (Recommended)   | 1  |        |
| ACTS 402             | ACTS Lab (Recommended)   | 1  |        |
| ACTS 403             | ACTS Lab (Recommended)   | 1  |        |
| ACTS 404             | ACTS Lab (Recommended)   | 1  |        |
| ACTS 405             | ACTS Lab (Recommended)   | 1  |        |
|                      |  | 39 |        |

**Business Core Advanced - Capstone**

|          |                                  |   |        |
|----------|----------------------------------|---|--------|
| MNGT 475 | Business Policies and Strategies | 3 | Waived |
| BSAD 098 | Senior Assessment                | 0 |        |
|          |                                  | 0 |        |

**International Business Course Requirement**

|  |   |   |                  |
|--|---|---|------------------|
|  | See Bulletin for list of applicable courses; ECON 321 suggested | 3 | Counted in NBR 6 |
|  |   | 0 |                  |

**Raikes School Requirements**

|                      |   |    |  |
|----------------------|---|----|--|
| UHON 098H            | Honors Mentoring                          | 0  |  |
| RAIK 181H (VEE FIN)  | Foundations of Business I                 | 3  |  |
| RAIK 182H (VEE ECON) | Foundations of Business II                | 3  |  |
| RAIK 183H            | Computer Problem Solving Essentials       | 4  |  |
| RAIK 184H            | Software Development Essentials           | 4  |  |
| RAIK 185H            | Foundations of Leadership I               | 1  |  |
| RAIK 186H            | Foundations of Leadership II              | 1  |  |
| RAIK 187H            | Intro to Communications I                 | 1  |  |
| RAIK 188H            | Intro to Communications II                | 2  |  |
| RAIK 281H            | Business Systems and Operations I         | 3  |  |
| RAIK 282H            | Business Systems and Operations II        | 3  |  |
| RAIK 283H            | Foundations of Computer Science           | 3  |  |
| RAIK 285H            | Applications of Leadership I              | 1  |  |
| RAIK 286H            | Applications of Leadership II             | 0  |  |
| RAIK 287H            | Applied Business Communication Seminar I  | 1  |  |
| RAIK 288H            | Applied Business Communication Seminar II | 2  |  |
| RAIK 301H            | Design Studio I (RAIK)                    | 3  |  |
| RAIK 302H            | Design Studio II (RAIK)                   | 3  |  |
| RAIK 381H (VEE FIN)  | Advanced Topics in Business I             | 3  |  |
| RAIK 382H (VEE ECON) | Advanced Topics in Business II            | 3  |  |
| RAIK 383H            | Fundamentals of Software Engineering      | 3  |  |
| RAIK 341H            | Marketing - Special Raikes Section        | 3  |  |
| RAIK 401H            | Design Studio III (RAIK)                  | 3  |  |
| RAIK 402H            | Design Studio IV (RAIK)                   | 3  |  |
| RAIK CS Elective     | 284/HCI/DA                                | 3  |  |
|                      |   | 59 |  |

|                      |            |
|----------------------|------------|
| <b>Total credits</b> | <b>142</b> |
|----------------------|------------|

ACE Checklist

|    |                    |       |   |
|----|--------------------|-------|---|
| 1  | RAIK 287H & 288H   |       | 3 |
| 2  | RAIK 187H & 188H   |       | 3 |
| 3  | RAIK 183H          |       | 4 |
| 4  |                    | NBR 3 | 3 |
| 5  |                    | NBR 4 | 3 |
| 6  | RAIK 182H          |       | 3 |
| 7  |                    | NBR 5 | 3 |
| 8  | RAIK 282H          |       | 3 |
| 9  | ECON 321 suggested | NBR 6 | 3 |
| 10 | RAIK 402H          |       | 3 |

**Notes on Log:**

1. Majors must consult with the RAIK & CBA advisor for approval of degree plan.
2. Honors courses outside of RAIK core are not specified. RAIK students are strongly encouraged to take Honors sections of courses whenever possible. RAIK students wishing to graduate as University Honors scholars, must meet RAIK/UHP requirements which include six (6) hours of Honors coursework outside of the RAIK Core. (See RAIK advisor for complete list of requirements.)
3. RAIK core courses (RAIK) are subject to change based on UNL curriculum or RAIK program content adjustments.
4. "VEE" indicates course(s) approved for the Validation by Educational Experience credit of the Casualty Actuarial Society and Society of Actuaries