### UNIVERSITY CORE

<table>
<thead>
<tr>
<th>A. Core Foundations</th>
<th>B. Core Skills &amp; Knowledge</th>
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<tbody>
<tr>
<td>CORE 101</td>
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<td>CORE 102</td>
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<td>CORE 103*</td>
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<td>CORE 201</td>
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<td>CORE 202</td>
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**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

### COLLEGE CORE

<table>
<thead>
<tr>
<th>A. National &amp; International Perspectives</th>
<th>B. Supporting Skills &amp; Knowledge</th>
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<tbody>
<tr>
<td>U.S. PERSPECTIVES (3 SH)</td>
<td>NATURAL OR MATHEMATICAL SCI. (3-4 SH)</td>
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<tr>
<td>MATH 172</td>
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<tr>
<td>GLOBAL PERSPECTIVES (3 SH)</td>
<td>HUMANITIES, VISUAL &amp; PERFORMING ARTS, OR FOREIGN LANGUAGES (3-4 SH)</td>
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<td>One of the following: APST 200</td>
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<td>ECON 101, 105, 106, ENGL 203</td>
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<td>GEOG 201, 202, 203 HIST 111, 112, POSC 120, SOCY 110</td>
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<tr>
<td>SOCIAL/BEHAV. SCI. &amp; WELLNESS (3 SH)</td>
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<td>One of the following: ANSC 101, APST 200</td>
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<td>ECON 105, 106 GEOG 101, 102, 103 HIST 111, 112 POSC 120 PSYC 121 RELN 205 SOCY 110, 121 HLTH 111, 200 NURS 111 NUTR 214 RCPT 200</td>
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### Biochemistry: Life Sciences and Pre-Health Concentration

- **CHEM 111** (4) General Chemistry I
  - F/S/SU
  - Prerequisite: CHEM 101
- **CHEM 112** (4) General Chemistry II
  - F/S/SU
  - Prerequisite: CHEM 111
- **CHEM 216** (3) Inorganic Chemistry
  - F
  - Prerequisite: CHEM 102
- **CHEM 301** (4) Organic Chemistry I
  - F/S/SU
  - Prerequisite: CHEM 216
- **CHEM 302** (4) Organic Chemistry II
  - S/SU
  - Prerequisite: CHEM 301
- **CHEM 324** (3) Analytical Chemistry
  - F
  - Prerequisite: CHEM 302
- **CHEM 401** (4) Physical Chemistry I
  - F
  - Prerequisite: CHEM 324
- **CHEM 450** (2) Career & Professional Development
  - F
  - Prerequisite: CHEM 401
- **CHEM 471** (3) Biochemistry
  - F/S
  - Prerequisite: CHEM 302
- **BIOI 132** (4) Biology of Cells and Microorganisms
  - F/S
  - Prerequisite: CHEM 111

**Option A**
- **MATH 171** (4) Calculus & Analytic Geometry I
  - F/S
  - Prerequisite: Math SAT ≥ 550, or college pre-calc ≥ “C” or ALEKS exam
- **MATH 172** (4) Calculus & Analytic Geometry II
  - F/S
  - Prerequisite: MATH 171

**Option B**
- **MATH 168** (3) Calculus I with Integrated Precalculus I
  - C or better in MATH 168
- **MATH 169** (3) Calculus I with Integrated Precalculus II
  - C or better in MATH 168
- **MATH 172** (4) Calculus & Analytic Geometry II
  - C or better in MATH 168

**Additional Requirements needed for completion of the Biochemistry: Life Sciences and Pre-Health Concentration:**

- **CHEM 472** (3) Biochemistry
  - S
  - Prerequisite: CHEM 471
- **CHEM 474** (1) Biochemistry Laboratory
  - F
  - Prerequisite: CHEM 471
- **BIO 231** (4) Genetics, Evolution, & Development
  - F/S
  - Prerequisite: “C” or better in BIOI 132
- **BIOI/CHEM 4XX** (8) 8 semester hours to be chosen from 300- or 400-level BIOI or CHEM courses

**B.S. (Non Teaching) Requirements (8 hours):**

- **PHYS 111** (4) General Physics I
  - F/S
  - Prerequisite: MATH 137 or equivalent
- **PHYS 112** (4) General Physics II
  - F/S
  - Prerequisite: PHYS 111
- **PHYS 221** (4) Physics I
  - F
  - Prerequisite: MATH 171
- **PHYS 222** (4) Physics II
  - S
  - Prerequisite: PHYS 221