<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>GUR</th>
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<tbody>
<tr>
<td><strong>Biol 204 - Introduction to Evolution, Ecology and Biodiversity</strong></td>
<td>5</td>
<td>LSCI</td>
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<tr>
<td>• CHEM 161 or CHEM 175 or concurrent.</td>
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<tr>
<td><strong>Biol 205 - Introduction to Cellular and Molecular Biology</strong></td>
<td>5</td>
<td>LSCI</td>
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<tr>
<td>• BIOL 204; CHEM 161 or CHEM 175; CHEM 162 or CHEM 176 or concurrent.</td>
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<tr>
<td><strong>Biol 206 - Introduction to Organismal Biology</strong></td>
<td>5</td>
<td>LSCI</td>
</tr>
<tr>
<td>• BIOL 205; CHEM 162 or CHEM 176; CHEM 163 or CHEM 225 or concurrent.</td>
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<tr>
<td><strong>Chem 161 - General Chemistry I</strong></td>
<td>5</td>
<td>LSCI</td>
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<tr>
<td>• MATH 114 or Math Placement Assessment score of 70 or higher.</td>
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<tr>
<td><strong>Chem 162 - General Chemistry II</strong></td>
<td>5</td>
<td>LSCI</td>
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<tr>
<td>• CHEM 161.</td>
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<tr>
<td><strong>Chem 163 - General Chemistry III</strong></td>
<td>5</td>
<td>LSCI</td>
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<tr>
<td>• CHEM 162.</td>
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<tr>
<td><strong>Psy 101 - Introduction to Psychology</strong></td>
<td>5</td>
<td>SSC</td>
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<tr>
<td>• N/A.</td>
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<tr>
<td><strong>Psy 220 - Behavioral Neuroscience</strong></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>• PSY 101. During Phase I, restricted to PSY/BNS pre-major and major students.</td>
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</tbody>
</table>

Choose from:

- **Math 114 - Precalculus I** and **Math 115 - Precalculus II**
  - MATH 112 with a C- or better, or MPA score of 55 / MATH 114 with a C- or better at Western.
- OR **Math 118 - Accelerated Precalculus**
  - Math Placement Assessment score of 70 or higher.

*Math Placement Assessment (MPA) score of 80 (meets requirements for both CHEM 161 and PHYS 114).*

Choose from:

- **Biol 321 - Genetics**
  - BIOL 204, BIOL 205, BIOL 206. Major Declared.
- **Biol 323 - Cell and Molecular Biology**
  - CHEM 351 and CHEM 352 (may be taken concurrently); OR CHEM 251. Major Declared.

Choose from:

- **Chem 351 - Organic Chemistry** and **Chem 352 - Organic Chemistry**
  - CHEM 163 or CHEM 225 or concurrent. / CHEM 351. See waitlist prioritization.
  - OR **Chem 251 - Elementary Organic Chemistry**
  - CHEM 161 or CHEM 125. Available Fall and Summer only.

*Offered Fall/Summer only*

Choose from:

- **Phys 114 - Principles of Physics I**
  - MATH 115 or MATH 118 or Math Placement Assessment score of 80.
  *Offered Fall/Winter only*
  - OR **Phys 161 - Physics with Calculus I**
    - MATH 124 or concurrent OR MATH 134 or concurrent OR MATH 138 or concurrent.
    *Offered Fall/Winter only*
- **PSY 301 - Overview of Research Methods**
  - Credits: 5
  - Declared Psychology pre-major status or 15 credits towards the Behavioral Neuroscience major (including PSY 101, PSY 220, and CHEM 161) with a minimum of 5 credits at Western and declared Behavioral Neuroscience pre-major status.

- **PSY 303 (WP2) - Research Methods and Statistical Analysis**
  - Credits: 5
  - PSY 302 with a C- or better and declared Psychology Major and PSY 210, 220, 230, 240, 250, each with C- or better; or PSY 301 with a C- or better and declared Behavioral Neuroscience Major.

- **BNS 305 - Cellular and Molecular Neuroscience**
  - Credits: 5
  - BIOL 205, CHEM 162, PSY 220. Maybe restricted to declared Behavioral Neuroscience Majors at start of Phase I registration.

  *Offered Fall only*

- **BNS 306 - Systems Neuroscience**
  - Credits: 5
  - PSY 301, BNS 305. Maybe restricted to declared Behavioral Neuroscience Majors at start of Phase I registration.

  *Offered Winter only*

- **PSY 323 – Psychopharmacology**
  - Credits: 5
  - PSY 220; PSY 301 or comparable research course and instructor permission. Available to Sport Psychology students with instructor permission.

- **PSY 328 - Techniques in Behavioral Neuroscience**
  - Credits: 4
  - PSY 320 or PSY 323 or instructor permission.

- **Choose one course from:**
  - **PSY 319 - Cognitive Neuroscience**
    - Credits: 5
    - PSY 210, PSY 220, and PSY 301 or declared Behavioral Neuroscience and PSY 301. Available to Sport Psychology students with instructor permission.
  
  OR **PSY 321 - Learning**
  - Credits: 5
  - PSY 220 and PSY 301

  OR **PSY 324 - Comparative Psychology**
  - Credits: 5
  - PSY 210 or PSY 220; and PSY 301

- **BNS 401 (WP2) - Advanced Topics in Behavioral Neuroscience**
  - Credits: 5
  - BNS 306; PSY 303; and one course from: PSY 319, PSY 321, PSY 322, PSY 323 or PSY 324; or instructor permission

**Electives Under Advisement (10 credits required)**

- BIOL 322 - Genetics Lab Credits: 4
- BIOL 324 - Methods in Molecular Biology Credits: 3
- BIOL 325 - Ecology Credits: 4
- BIOL 410 - Animal Behavior Credits: 4
- BIOL 432 - Evolutionary Biology Credits: 4
- BIOL 467 - Comparative Vertebrate Physiology Credits: 3
- BIOL 468 - Comparative Vertebrate Physiology Laboratory Credits: 3
- BIOL 476 - Structure and Physiology of Membrane Transport Proteins Credits: 3
- BIOL 482 - Developmental Biology of Animals Credits: 4
- BIOL 484 - Cell Biology Laboratory Credits: 5
- BIOL 486 - Topics in Molecular Mechanisms of Neurodevelopment Credits: 3
- CHEM 353 - Organic Chemistry Credits: 3
- CHEM 375 - Elements of Biochemistry Credits: 4
- CHEM 471 - Biochemistry I Credits: 4
- CHEM 472 - Biochemistry II Credits: 4
- MATH 124 - Calculus and Analytic Geometry
  - 1 Credits: 5 GUR: QSR
- PHYS 115 - Principles of Physics II Credits: 5 GUR: LSCI
- PHYS 116 - Principles of Physics III Credits: 5 GUR: LSCI
- PHYS 162 - Physics with Calculus II Credits: 5 GUR: LSCI
- PHYS 163 - Physics with Calculus III Credits: 5 GUR: LSCI
- PSY 210 - Cognition Credits: 5
- PSY 302 - Research Methods and Statistical Analysis: Correlational Approaches Credits: 5
- PSY 310 - Sensation and Perception Credits: 5
- PSY 319 - Cognitive Neuroscience Credits: 5
- PSY 321 - Learning Credits: 5
- PSY 322 - Motivation Credits: 5
- PSY 324 - Comparative Psychology Credits: 5
- PSY 327 - Cognitive Neuroscience Lab Credits: 4
- PSY 410 - Seminar in Cognitive Neuroscience Credits: 5
- PSY 420 - Seminar in Behavioral Neuroscience Credits: 5
- PSY 421 - Seminar in Learning Credits: 5
- PSY 422 - Seminar in Motivation Credits: 5
- PSY 424 - Seminar in Comparative Psychology Credits: 5
- PSY 428 - Advanced Techniques in Behavioral Neuroscience Credits: 4

A maximum combined total of 3 credits from the following courses can be applied to the major.

- BIOL 395 - Biology Research Participation Credits: 1-4
- BIOL 494 - Biology Research Credits: 1-5
- BIOL 495 - Research Communication Credits: 1-4
- PSY 300 - Directed Independent Study Credits: 1-15
- PSY 400 - Directed Independent Study Credits: 1-15