### Bachelor of Science in Chemistry (ACS Certified, Biochemistry Concentration)

**A Suggested Sequence of Required Courses for a Northwest Vista transfer student (2017-2018 Catalog)**

#### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NORTHWEST VISTA</strong> BU</td>
<td><strong>NORTHWEST VISTA</strong> BU</td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td><strong>Title</strong></td>
</tr>
<tr>
<td>CHA 1088 Chapel 0</td>
<td>CHA 1088 Chapel 0</td>
</tr>
<tr>
<td>See Reverse</td>
<td>REL 1310</td>
</tr>
<tr>
<td>See Reverse</td>
<td>Math 3</td>
</tr>
<tr>
<td>See Reverse</td>
<td>Foreign Language 4</td>
</tr>
<tr>
<td>CHEM 1411</td>
<td>CHE 1301-1101</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NORTHWEST VISTA</strong> BU</td>
<td><strong>NORTHWEST VISTA</strong> BU</td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td><strong>Title</strong></td>
</tr>
<tr>
<td>MATH 2414</td>
<td>MTH 1322</td>
</tr>
<tr>
<td>PHY 1420</td>
<td>General Physics I 4</td>
</tr>
<tr>
<td>See Reverse</td>
<td>Foreign Language 3</td>
</tr>
<tr>
<td>See Reverse</td>
<td>Lifetime Fitness 1</td>
</tr>
<tr>
<td>CHEM 2216</td>
<td>Lab Measurements &amp; Techniques 2</td>
</tr>
<tr>
<td>CHEM 2323</td>
<td>CHE 3311**</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NORTHWEST VISTA</strong> BU</td>
<td><strong>NORTHWEST VISTA</strong> BU</td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td><strong>Title</strong></td>
</tr>
<tr>
<td>REL 1350</td>
<td>Christian Heritage 3</td>
</tr>
<tr>
<td>BIOL 1406</td>
<td>BIO 1305-1105</td>
</tr>
<tr>
<td>MTH 3325 or STA 2381</td>
<td>Ordinary Differential Equations or Introductory Statistical Methods 3</td>
</tr>
<tr>
<td>CHE 4321</td>
<td>Physical Chemistry I 1</td>
</tr>
<tr>
<td>CHE 4341</td>
<td>General Biochemistry 3</td>
</tr>
<tr>
<td>CHE 4141</td>
<td>Modern Biochemistry Lab 1</td>
</tr>
<tr>
<td>CHE 4127</td>
<td>Physical Chemistry Lab I 1</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NORTHWEST VISTA</strong> BU</td>
<td><strong>NORTHWEST VISTA</strong> BU</td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td><strong>Title</strong></td>
</tr>
<tr>
<td>See Below</td>
<td>4000 Level Chemistry Lecture Course 2</td>
</tr>
<tr>
<td>CHE 4151</td>
<td>Undergraduate Seminar I 1</td>
</tr>
<tr>
<td>ENG 3300</td>
<td>Professional and Technical Writing 3</td>
</tr>
<tr>
<td>See Reverse</td>
<td>PSC 2302</td>
</tr>
<tr>
<td>See Reverse</td>
<td>History/Social Science 3</td>
</tr>
<tr>
<td>See Reverse</td>
<td>Elective 3</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes about major requirements:**

- CHE, MTH, and PHY courses in the first two years must not be deferred.
- MTH 2321 must be completed by the end of sophomore year.
- PHY 1430 must be completed by the end of sophomore year.
- CHE 4321 and 4127 must be taken in the fall of your junior year. Prerequisites are MTH 2321 and PHY 1430.
- 4000 level chemistry courses, except 4341, are taught only once per year, in the semesters indicated.
- MTH 3325 or STA 2381: MTH 3325 is recommended unless student is Pre-Health.
- CHE 4000: Two semester hours selected from CHE 4207, 4217, 4237, (one hour each of CHE 4199 and 4V98).
- English requirement: It is recommended that science majors take ENG 3300 their junior or senior year rather than ENG 1304.
- For more information, see the Baylor Undergraduate Catalog.

**CHEM 2423 and 2425 will count as CHE 2T01 and 2T02 organic chemistry I and II but will not count as advanced course work.**

Please see reverse side for important information on general requirements.
## BACHELOR OF SCIENCE (BS) DEGREE CHECKLIST
(2017-2018 BAYLOR UNDERGRADUATE CATALOG)

### NORTHWEST VISTA COURSE | BAYLOR COURSE | BAYLOR TITLE
--- | --- | ---
ENGL 1301 | ENG 1302 | Thinking and Writing
ENGL 1302 | ENG 1304 | Thinking, Writing & Research
ENGL 2322 | ENG 2301 | British Literature
ENGL 2327 or 2328 | ENG 2304 | American Literature
ENGL 2332 or 2333 | ENG 2306 | World Literature

### HISTORY/SOCIAL SCIENCE:
- **ANT 1305**: Introduction to Anthropology
- **ANT 1301**: Science, Society, and Culture
- **ECON 1301**: Survey of Eco. Princ. For Non-bus. Majors
- **ECO 2306**: Principles of Microeconomics
- **ECO 2307**: Principles of Macroeconomics
- **GEOG 1303**: World Geography
- **HIST 1303**: World History to 1500
- **HIST 2321 or 2322**: History of the U.S. since 1877
- **HIST 1302**: History of the U.S. since 1877
- **PHIL 2306**: Logic
- **PHI 1307**: Critical Thinking
- **PHIL 2308**: Introduction to Ethics
- **PHIL 1301**: Introduction to Philosophy
- **PHI 3301**: Moral Philosophy
- **PHI 3310**: History of Philosophy: Classical
- **PHI 3312**: History of Philosophy: Modern Europe
- **GOVT 2302 or 2305**: American National Government
- **GOVT 2301 or 2306**: American State & Local Government
- **PSY 2301**: Introductory Psychology
- **SOC 1301**: Introduction to Sociology

### POLITICAL SCIENCE:
- **GOVT 2305 AND 2306**: American Constitutional Development

(Note: Both GOVT 2305 and 2306 must be complete before coming to Baylor to receive credit for PSC 2302. This course may not be transferred from another school after the student has earned hours at Baylor.)

### SCIENCE:
- **Biol 1406**: Modern Concepts of Bioscience
- **Biol 1407**: Modern Concepts of Bioscience, Continued
- **Geol 1403**: The Dynamic Earth
- **Geol 1404**: Earth Through Time
- **NSC 1306-1106**: Introduction to Neuroscience
- **Chem 1411**: Basic Principles of Chemistry I
- **Chem 1412**: Basic Principles of Chemistry II
- **Phy 1409**: Gen. Physics for Nat. & Behavioral Sci.II
- **Phy 1420**: General Physics I
- **Phy 1430**: General Physics II
- **Environ 1301-1103**: Exploring Environmental Issues and lab
- **Math 1320**: Pre-Calculus
- **Math 1321**: Calculus I
- **Math 1322**: Calculus II
- **Arab 1401**: Elementary Spoken Arabic I
- **Arab 1402**: Elementary Spoken Arabic II
- **Arab 1411**: Introductory Arabic I
- **Arab 1412**: Introductory Arabic II
- **Arab 1401**: Elementary Spoken Arabic I
- **Arab 1402**: Elementary Spoken Arabic II
- **Arab 1411**: Introductory Arabic I
- **Arab 1412**: Introductory Arabic II
- **Arab 1401**: Elementary Spoken Arabic I
- **Arab 1402**: Elementary Spoken Arabic II
- **Arab 1411**: Introductory Arabic I
- **Arab 1412**: Introductory Arabic II
- **Arab 1401**: Elementary Spoken Arabic I
- **Arab 1402**: Elementary Spoken Arabic II
- **Arab 1411**: Introductory Arabic I
- **Arab 1412**: Introductory Arabic II
- **Arab 1401**: Elementary Spoken Arabic I
- **Arab 1402**: Elementary Spoken Arabic II
- **Arab 1411**: Introductory Arabic I
- **Arab 1412**: Introductory Arabic II

### MATH:
- **MATH 2413**: Calculus I
- **MATH 2414**: Calculus II

### FOREIGN LANGUAGE: To be fulfilled with one of the following options:
A. Complete ONE Modern or Classical language through the 2320 level OR
B. Complete TWO Classical languages through the 1302 or 1402 level.

Two languages from Latin, Greek, and Hebrew may be used. (It is strongly recommended that the language requirement be started during the first year of residence work. Chemistry, Biochemistry, and Mathematics majors are required to take a modern foreign language.)

### LIFE TIME FITNESS: Four activity courses are required
- Taught at Baylor; no equivalent course at Northwest Vista

### Modern Languages:
- Korean (KOR)
- Russian (RUS)
- Hebrew (HEB)
- Portuguese (POR)
- Swahili (SWA)
- Greek (GRK)
- Latin (LAT)