## TRANSFER PLAN for Chemistry and Biochemistry

Bachelor of Science (B.S.) at WTAMU; A.A or A.S. at Clarendon College

### NOTES

<table>
<thead>
<tr>
<th>NOTES</th>
<th>CORE CURRICULUM REQUIREMENTS*</th>
<th>HRS</th>
<th>CORE #</th>
<th>MAJOR CORE REQUIREMENTS**</th>
<th>HRS</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>ENGL 1301 - Composition I</td>
<td>3</td>
<td>10</td>
<td>CHEM 1411</td>
<td>4</td>
</tr>
<tr>
<td>a</td>
<td>ENGL 1302 or ENGL 2311</td>
<td>3</td>
<td>10</td>
<td>CHEM 1412</td>
<td>4</td>
</tr>
<tr>
<td>b</td>
<td>SPCH 1315, 1318, or 1321</td>
<td>3</td>
<td>11</td>
<td>CHEM 2523</td>
<td>4</td>
</tr>
<tr>
<td>c</td>
<td>MATH 1314, 1324, or 2413</td>
<td>3</td>
<td>20</td>
<td>CHEM 2525</td>
<td>4</td>
</tr>
<tr>
<td>d</td>
<td>Natural Science</td>
<td>8</td>
<td>30</td>
<td>MATH 1316</td>
<td>3</td>
</tr>
<tr>
<td>e</td>
<td>Humanities</td>
<td>3</td>
<td>40</td>
<td>PHYS 2425</td>
<td>4</td>
</tr>
<tr>
<td>f</td>
<td>Visual and Performing Arts</td>
<td>3</td>
<td>50</td>
<td>PHYS 2426</td>
<td>4</td>
</tr>
<tr>
<td>g</td>
<td>HIST 1301, 1302 - History of U.S. I and II</td>
<td>6</td>
<td>60</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>h</td>
<td>GOVT 2305, 2306 - Government of U.S., Texas</td>
<td>6</td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>i</td>
<td>Social and Behavioral Sciences</td>
<td>6</td>
<td>80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>j</td>
<td>Institutionally Designated Option</td>
<td>2</td>
<td>90</td>
<td>46***</td>
<td></td>
</tr>
</tbody>
</table>

46***

### MAJOR CORE REQUIREMENTS

- CHEM 1411
- CHEM 1412
- CHEM 2523
- CHEM 2525
- MATH 1316
- PHYS 2425
- PHYS 2426
- Additional Courses for the A.A. or A.S. Degree

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Please note that not all courses may be offered each semester at the community college. Check with your counselor for availability of courses, as well as the option to pursue an associate's degree.

### EXPLANATION OF NOTES

- West Texas A&M University’s requirements include a 42-hour Texas core curriculum, whereas Clarendon College maintains a 46-hour core curriculum with options for an Associate in Arts or an Associate in Science general degree. WTAMU only requires six hours of Natural Sciences and three hours of Social and Behavioral Sciences. If a student completes a component of the core at one Texas institution, that block of courses will be substituted for WTAMU’s same core component(s). Furthermore, core curriculum requirement courses may also be fulfilled by approved courses at WTAMU.

- Additional Program Foundation courses are required. These may be completed at Clarendon College or WTAMU.

- A course may satisfy only one core area.

a. Six hours of lower-level English composition.

b. Courses may include: SPCH 1311, 1318 or 1321.

c. Satisfies the Mathematics core requirement.

d. Courses for Natural Sciences, with labs, may include: BIOL 1406, 1407, 1411, 1413, 2401, 2402, 2421, CHEM 1311 (with CHEM 1111), CHEM 1312 (with CHEM 1112), CHEM 2323 (with CHEM 2223), CHEM 2325 (with CHEM 2225), PHYS 1401, PHYS 1402, or AGRI 1415.

e. Courses for Humanities may include: ENGL 2331, 2332, 2333, or PHIL 1316, 1317.

f. Courses for Visual and Performing (Fine) Arts may include: ARTS 1303, DRAM 1310, 2361, 2362, 2366, MUSI 1304, 1306, 1308 or 1310.

g. Satisfies the History core requirement; may take HIST 2301 (and listed under the Social and Behavioral Sciences component at CC).

h. Satisfies the Government core requirement (and listed under the Social and Behavioral Sciences component at CC).

i. Courses for the Social and Behavioral Sciences core requirement may include: CRJ 1301 or 1307, PSYC 1301, PSYC 2301, 2314, SOCI 1301, 1306, 2319, ECON 2301, 2302, or AGRI 2317.

j. Institutionally Designated Option courses may include: any PHED Physical Education Activities course numbered 1105-1161.

This information is for reference and planning purposes. This is not an official degree plan.
Bachelor of Science-Chemistry and Biochemistry
2011-2012 Catalog

GENERAL DEGREE REQUIREMENTS

• A minimum of 120 semester hours of applicable college credit.
• At least 39 hours of advanced work (courses at the 3000 or 4000 level) for which tuition is paid must be earned at WTAMU; 30 of the
  39 hours must be the final hours counted toward a degree. Continuing Education courses do not count in the 39 hours of advanced
  work at WTAMU.
• Completion of West Texas A&M University core curriculum.
• Achievement of at least a "C" (2.0) average in all course work offered toward a degree, at least a "C" average in major requirements
  listed in degree plans and at least a "C" average in all hours in the student’s major subject.
• Credits may be transferred to West Texas A&M University to be counted toward a degree in accordance with the degree program
  requirements as outlined in the catalog. No grade of “D” in the program's major requirements or major subject can transfer for credit in
  any degree program offered at West Texas A&M University.

CORE REQUIREMENTS FOR CHEMISTRY AND BIOCHEMISTRY MAJORS

Professional Chemistry Requirements
• CHEM 1411, 1412, 2523, 2525, 3511, 3521, 3522, 4411, 4323, 4223L, 4431, 4397.
• MATH 1316 or 2412; 2413, 2414, 3340.
• PHYS 2425, 2426 and two hours of 3095.
• MPS 4370.
• Additional advanced hours to provide a minimum of 36 hours selected from chemistry, physics, or mathematics.
• Additional hours to meet the minimum University requirement for a degree.

General Chemistry Requirements
• CHEM 1411, 1412, 2523, 2525, 3511; three courses from 3521, 3522, 4411, 4323, 4222L; 4324 and 4224L; 4431.
• MATH 1316 or 2412; 2413, 2414, 3340.
• PHYS 2425, 2426 and two hours of 3095.
• MPS 4370.
• Additional advanced hours to provide a minimum of 36 hours selected from chemistry, physics, mathematics, biology, computer
  science, environmental science or geology.
• Additional hours to meet the minimum University requirement for a degree.

Biochemistry Requirements
• CHEM 1411, 1412, 2523, 2525, 3511, 4323, 4223L, 4324, 4224L.
• BIOL 1406 or 1413, 1407 or 1414, 2572, 3301, 3402 and one course from 3440 or 4375.
• MATH 1316 or 2412; 2413, 2414, 3340.
• PHYS 1401 or 2425, 1402 or 2426.
• MPS 4370.
• MATH 2414 is recommended.
• Additional advanced hours to provide a minimum of 36 hours selected from chemistry, physics, mathematics, biology, computer
  science, environmental science or geology.
• Additional hours to meet the minimum University requirement for a degree.