## TRANSFER PLAN for Chemistry and Biochemistry
Bachelor of Science (B.S.) at WTAMU; A.S. at Midland College

### NOTES

<table>
<thead>
<tr>
<th>CORE CURRICULUM REQUIREMENTS*</th>
<th>HRS</th>
<th>CORE #</th>
<th>MAJOR CORE REQUIREMENTS**</th>
<th>HRS</th>
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<td>CHEM 1411</td>
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<td>e Humanities</td>
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<td>g HIST 1301 and 1302 or 2301</td>
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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 are consistent with the 42-hour Texas core curriculum. 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 Midland College or WTAMU.

*** A course may satisfy only one core area. For example, COMM 1307 will satisfy either Visual and Performing Arts (50) or Social Behavioral Sciences (80), but not both.

a. Six hours of lower-level English composition.
b. Satisfies the Speech Communication Requirement. One course chosen from SPCH 1311, 1315, 1318, or 1321.
c. Courses for Mathematics may include: MATH 1314, 1316, 1324, 1342, 1414, 2412, 2413, 2414, 2415.
d. Courses for Natural Science may include: BIOL 1406, 1407, 1408, 1409, 1424, 2401, 2402, 2421; CHEM 1405, 1411, 1412; GEOL 1401, 1403, 1404, 1405, 1447; PHYS 1401, 1402, 1403, 1404, 1415, 1417, 2425, 2426.
e. Courses for Humanities may include: ENGL 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333, 2342, OR 2343; FREN 2311, 2312; GERM 2301, 2302; HUMA 1301, 1302; LATI 2311, 2312; PHIL 1301, 2303, 2306; SPAN 2311, 2312.
f. Courses for Performing and Visual Arts may include: ARTS 1301, 1303, 1304, DRAM 1310, 2361, 2362, 2366, MUSIC 1306, 1308, 1309, 1310.
g. Satisfies the History core requirement.
h. Satisfies the Government core requirement.
i. Courses for Social and Behavioral Sciences may include: ANTH 2302, 2351, COMM 2300, ECON 2301, 2302, GEOG 1303, HIST 2311, 2312, PSYC 2301, SOCI 1301, 1306.
j. Institutionally Designated Option courses may include: KINE 1100-1110, 1113, 1117-1120, 1125, 1126.

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.