## TRANSFER PLAN for Biology, Wildlife Biology, Biotechnology
### Bachelor of Science (B.S.) at WTAMU; A.A or A.S. at Frank Phillips College

### NOTES

<table>
<thead>
<tr>
<th>CORE CURRICULUM REQUIREMENTS*</th>
<th>HRS</th>
<th>MAJOR CORE REQUIREMENTS**</th>
<th>HRS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>a</strong> ENGL 1301 - Composition I</td>
<td>3</td>
<td>BIOL 1411</td>
<td>4</td>
</tr>
<tr>
<td><strong>a</strong> ENGL 1302 - Composition II</td>
<td>3</td>
<td>BIOL 1413</td>
<td>4</td>
</tr>
<tr>
<td><strong>b</strong> SPCH 1311, 1318, or 1321</td>
<td>3</td>
<td>CHEM 1411</td>
<td>4</td>
</tr>
<tr>
<td><strong>c</strong> Mathematics</td>
<td>3</td>
<td>CHEM 1412</td>
<td>4</td>
</tr>
<tr>
<td><strong>d</strong> Natural Science</td>
<td>8</td>
<td>GEOL 1403</td>
<td>4</td>
</tr>
<tr>
<td><strong>e</strong> Humanities</td>
<td>6</td>
<td>GEOL 1404</td>
<td>4</td>
</tr>
<tr>
<td><strong>f</strong> Visual and Performing Arts</td>
<td>3</td>
<td>PHYS 1401</td>
<td>4</td>
</tr>
<tr>
<td><strong>g</strong> HIST 1301, 1302 - History of U.S. I and II</td>
<td>6</td>
<td>PHYS 1402</td>
<td>4</td>
</tr>
<tr>
<td><strong>h</strong> GOVT 2305, 2306 - Government of U.S., Texas</td>
<td>6</td>
<td>MATH 1316</td>
<td>3</td>
</tr>
<tr>
<td><strong>i</strong> Social and Behavioral Sciences</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>j</strong> Institutionally Designated Option</td>
<td>3</td>
<td>Additional Courses for the A.A. or A.S. Degree</td>
<td>35</td>
</tr>
</tbody>
</table>

**NOTE:** West Texas A&M University’s requirements include a 42-hour Texas core curriculum, whereas Frank Phillips College maintains a 47-hour core curriculum with options for an Associate in Arts or an Associate in Science general degree. 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 Frank Phillips College or WTAMU.**

- a. Six hours of lower-level English composition.
- b. Courses may include: SPCH 1311, 1318 or 1321.
- c. Courses for Mathematics may include: MATH 1314, 1316, 1324, 1325, 1332, 2312, 2413, 2414 OR 2315. **NOTE:** FPC requires an additional math course for the A.S. degree.
- d. Courses for Natural Sciences, with labs, may include: ANTH 2401; BIOL 1308, 1406, 1407, 1411, 1413, 2401, 2402, 2421; CHEM 1305, 1405, 1407, 1411, 1412, 2423, 2425; GEOL 1301; PHYS 1305, 1401, 1402, 1404, 1415, 1417, 2425 or 2426.
- e. Courses for Humanities may include: ANTH 2346, 2351; ENGL 2331, 2332, 2333, 2321, 2326, or 2341; HIST 2311; PHIL 1301 or 2306. **NOTE:** FPC requires six hours of Humanities for the A.A. or A.S. degree, at least three of which must be from a literature course.
- f. Courses for Visual and Performing (Fine) Arts may include: ARTS 1303, 1304, HUMA 1315 or MUSI 1306.
- g. Satisfies the History core requirement (and listed under the Social and Behavioral Sciences component at PFC)
- h. Satisfies the Government core requirement (and listed under the Social and Behavioral Sciences component at PFC)
- i. Courses for Social and Behavioral Sciences may include: ECON 2301, GEOG 1303, PSYC 2301, 2314, SOCI 1301 or 1306.
- j. Institutionally Designated Option courses may include: any PHED course 1101 or above, PSYC 1200 or EDUC 1200.

**NOTE:** FPC requires three hours: one of the PHED courses and two hours of either PSYC 1200 or EDUC 1200.

---

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 Frank Phillips College maintains a 47-hour core curriculum with options for an Associate in Arts or an Associate in Science general degree. 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 Frank Phillips College or WTAMU.**

- a. Six hours of lower-level English composition.
- b. Courses may include: SPCH 1311, 1318 or 1321.
- c. Courses for Mathematics may include: MATH 1314, 1316, 1324, 1325, 1332, 2312, 2413, 2414 OR 2315. **NOTE:** FPC requires an additional math course for the A.S. degree.
- d. Courses for Natural Sciences, with labs, may include: ANTH 2401; BIOL 1308, 1406, 1407, 1411, 1413, 2401, 2402, 2421; CHEM 1305, 1405, 1407, 1411, 1412, 2423, 2425; GEOL 1301; PHYS 1305, 1401, 1402, 1404, 1415, 1417, 2425 or 2426.
- e. Courses for Humanities may include: ANTH 2346, 2351; ENGL 2331, 2332, 2333, 2321, 2326, or 2341; HIST 2311; PHIL 1301 or 2306. **NOTE:** FPC requires six hours of Humanities for the A.A. or A.S. degree, at least three of which must be from a literature course.
- f. Courses for Visual and Performing (Fine) Arts may include: ARTS 1303, 1304, HUMA 1315 or MUSI 1306.
- g. Satisfies the History core requirement (and listed under the Social and Behavioral Sciences component at PFC)
- h. Satisfies the Government core requirement (and listed under the Social and Behavioral Sciences component at PFC)
- i. Courses for Social and Behavioral Sciences may include: ECON 2301, GEOG 1303, PSYC 2301, 2314, SOCI 1301 or 1306.
- j. Institutionally Designated Option courses may include: any PHED course 1101 or above, PSYC 1200 or EDUC 1200.

**NOTE:** FPC requires three hours: one of the PHED courses and two hours of either PSYC 1200 or EDUC 1200.

This information is for reference and planning purposes. This is not an official degree plan.
Bachelor of Science-Biology, Wildlife Biology, Biotechnology
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 BIOLOGY, WILDLIFE BIOLOGY, BIOTECHNOLOGY MAJORS

Biology Requirements
- BIOL 1406, 1407 or 1411, 1413.
- Biology-six courses (2000, 3000, or 4000 level) of which five must include laboratories.
- CHEM 1411 and 1412.
- GEOL 1403 and 1404 or PHYS 1401 and 1402.
- MATH 1316 or 2412.
- Additional advanced hours to provide a minimum of 36 hours selected from BIOL, CHEM, BIOT, ENVR, GEOL, MATH, or PHYS.

Wildlife Biology Requirements
- BIOL 1411, 1413, 2374, 3374, 3424, 3532, 4310.
- Biology-six courses (2000, 3000, or 4000 level) of which five must include laboratories.
- CHEM 1411 and 1412.
- GEOL 1403 and 1404 or PHYS 1401 and 1402.
- MATH 1316 or 2412.
- Additional advanced hours to provide a minimum of 36 hours selected from BIOL, CHEM, BIOT, ENVR, GEOL, MATH, or PHYS.

Biotechnology Requirements
- BIOL 2572, BIOL 3301 or AGRI 3301, BIOL 3402, 4375, 4416, or AGRI 3318, BIOL 4404.
- BIOT 4385, 4401, 4402.
- CHEM 1411, 1412, 2523 or 2533, 4323, 4223L, 4324, 4224L.
- PHYS 1401, 1402.
- Two courses from BIOT 4095, 4098, BIOL 3350, 3440, 3451, 3452, CHEM 3511, MATH 2414, PSES 3342.
- Additional electives to total 120 hours.