## TRANSFER PLAN for Mechanical Engineering
Bachelor of Science (B.S.) at WTAMU; A.A or A.S. at Amarillo College

### NOTES  CORE CURRICULUM REQUIREMENTS*

<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>ENGR 2301 and 2302</td>
<td>6</td>
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<tr>
<td>a</td>
<td>ENGL 1302 - Composition II</td>
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<td>10</td>
<td>ENGL 2311 Technical Writing</td>
<td>3</td>
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<tr>
<td>b</td>
<td>SPCH 1315, 1318, or 1321</td>
<td>3</td>
<td>11</td>
<td>MATH 2413 and 2414</td>
<td>6</td>
</tr>
<tr>
<td>c</td>
<td>MATH 1314</td>
<td>3</td>
<td>20</td>
<td>CHEM 1411</td>
<td>3</td>
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<tr>
<td>d</td>
<td>Natural Science</td>
<td>8</td>
<td>30</td>
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<td>18</td>
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<tr>
<td>e</td>
<td>Humanities</td>
<td>3</td>
<td>40</td>
<td></td>
<td></td>
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<tr>
<td>f</td>
<td>Visual and Performing Arts</td>
<td>3</td>
<td>50</td>
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<td>g</td>
<td>HIST 1301, 1302 - History of U.S. I and II</td>
<td>6</td>
<td>60</td>
<td>Additional Courses for the Associate Degree</td>
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<td>h</td>
<td>GOVT 2305, 2306 - Government of U.S., Texas</td>
<td>6</td>
<td>70</td>
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<tr>
<td>i</td>
<td>Social and Behavioral Sciences</td>
<td>3</td>
<td>80</td>
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<tr>
<td>j</td>
<td>Institutionally Designated Option</td>
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<td>90</td>
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</table>

** Total: 42***

### 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 Amarillo College or WTAMU.

*** A course may satisfy only one core area. For example, HUMA 1315 will satisfy either Humanities (40) or Visual and Performing Arts (50), but not both.

- a. Six hours of lower-level English composition.
- b. Courses may include: SPCH 1315, 1318, or 1321.
- c. Satisfies the Mathematics core requirement. **Pre-engineering sequence courses include MATH 2413 and 2414.**
- d. Courses for Natural Science may include: any BIOL, CHEM, GEOL, or PHYS course. Six hours of appropriate science credit by examination may be used to satisfy the natural sciences requirement. May not receive degree credit for both GEOL 1401 and 1403. **Suggested courses for major include PHYS 2425 and 2426, which are also pre-engineering sequence courses.**
- e. Courses for Humanities may include: any ANTH course; ENGL 2322, 2323, 2327, 2328, 2331, 2333, 2341; HIST 2311; HUMA 1301, 1302, 1315; PHIL 1301, 1302, 2306; RELG 1301, 1302; SOC 3219; any second-year foreign language course.
- f. Courses for Performing and Visual Arts may include: ARTS 1301, 1303, 1304, 1311, 1316, 2356; COMM 1336; DRAM 1310, 1351, 2366; HUMA 1315; any MUSI course.
- g. Satisfies the History core requirement.
- h. Satisfies the Government core requirement.
- i. Courses for Social and Behavioral Sciences may include: any ANTH, ECON, or GEOG course; CRJ 1301, 1307; PSYC 2301, 2306, 2308, 2314, 2315, 2319; SOCI 1301, 1306, 2301, 2319, 2326.
- j. Institutionally Designated Option courses may include: any PHED course numbered 1101-1122.

This information is for reference and planning purposes. This is not an official degree plan.
GENERAL DEGREE REQUIREMENTS

- A minimum of 126 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 final 36 hours must be earned 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 MECHANICAL ENGINEERING MAJORS

Mechanical Engineering Requirements
- ENGR 1171, 1201, 1315, 1304, 1375, 2301, 2302, 3302, and 3305
- MENG 1171, 3320, 3340, 3350, 4304, 4350, 4352, 4360, and 4380.
- CHEM 1411, CS 1315, ET 2371 or 2372, MATH 2414, 3340, and 3342.
- Two MENG electives (six hours).
- One elective in CS, ENGR, ET or MENG (three hours).
- Two hour upper-level MATH or PHYS electives selected from MATH 3311, 3343, 4340, 4341, 4361, 4362, PHYS 3310, 4310, 4330.