# TRANSFER PLAN for Mechanical Engineering

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

## NOTES

### CORE CURRICULUM REQUIREMENTS*

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<th>NOTES</th>
<th>CORE</th>
<th>CURRICULUM REQUIREMENTS*</th>
<th>HRS</th>
<th>MAJOR CORE REQUIREMENTS**</th>
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<tbody>
<tr>
<td>a</td>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
<td>CHEM 1311 w/lab</td>
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<tr>
<td>a</td>
<td>ENGL 2311</td>
<td>Tech Writing</td>
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<td>MATH 2413</td>
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<td>b</td>
<td>SPCH 1315, 1318, or 1321</td>
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<td>c</td>
<td>MATH 1314, 1324, or 2413</td>
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<td>d</td>
<td>Natural Science</td>
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<td>e</td>
<td>Humanities</td>
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<td>Visual and Performing Arts</td>
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<td>g</td>
<td>HIST 1301, 1302 - History of U.S. I and II</td>
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<td>h</td>
<td>GOVT 2305, 2306 - Government of U.S., Texas</td>
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<td>Social and Behavioral Sciences</td>
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<td>j</td>
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**CORE #**

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**MAJOR CORE REQUIREMENTS**

- CHEM 1311 w/lab
- MATH 2413
- CHEM 1311
- MATH 2413
- 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. CHEM 1311 is required for major at WTAMU.
- ENGL 2331, 2332, 2333, or PHIL 1316, 1317.
- ARTS 1303, DRAM 1310, 2361, 2362, 2366, MUSI 1304, 1306, 1308 or 1310.
- CRIJ 1301 or 1307, PSYC 1301, PSYC 2301, 2314, SOCI 1301, 1306, 2319, ECON 2301, 2302, or AGRI 2317.
- any PHED Physical Education Activities course numbered 1105-1161.

### Additional Courses for the A.A or A.S. Degree

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### 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. Three hours of lower-level English composition and three hours of technical writing.
- b. Courses may include: SPCH 1311, 1318 or 1321.
- c. Satisfies the Mathematics core requirement. MATH 2413 is required for major at WTAMU.
- 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. CHEM 1311 is required for major at WTAMU.
- 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: CRIJ 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.
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 1301, 1304, 1375, 2301, 2302, 3302; MENG 2360, 3320, 3340, 4304, 4350, 4352, 4360, 4380.
- CHEM 1411, CS 1315, ET 2371 or 2372, MATH 2414, 3340, 3342.
- Three MENG electives (nine hours).
- One elective in CS, ENGR, or MENG (three hours).
- One hour upper-level MATH or PHYS elective selected from MATH 3311, 3343, 4340, 4341, 4361, 4362, PHYS 3310, 4310, 4330.