Transfer Courses from Other Texas Institutions

The Texas common course numbering system is a mechanism that can be used to insure that a course taken at another Texas university or Texas college will transfer to the appropriate Texas A&M course number. If you use the equivalencies listed below, you are guaranteed that the course will transfer to Texas A&M as listed. A more complete list of equivalencies can be found by consulting the Texas Common Course Numbers that are listed in the back of the Texas A&M University Undergraduate Catalog (http://catalog.tamu.edu) and through the website at https://compass-ssb.tamu.edu/pls/PROD/bwxkwtes.P_TransEquivMain

Courses that do not use the Texas common course numbering system transfer by title and will have a TRNS designation on the TAMU transcript. Such courses do not automatically count towards the degree. At a minimum, the prerequisites for the course taken at another institution should be at least as rigorous as the prerequisites listed for the equivalent TAMU course, and the course topics should cover the same general material. The catalog description of the course may be sufficient, but usually a detailed course syllabus is required to determine if the course can be used towards the degree.

To fulfill residence requirements the university catalog indicates that at least 36 hours of upper level courses be taken in residence at Texas A&M and the department requires that at least 18 of those hours be from the Industrial and System Engineering Department.

<table>
<thead>
<tr>
<th>TAMU Course</th>
<th>Texas Common Course Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 102/112</td>
<td>CHEM 1412</td>
</tr>
<tr>
<td></td>
<td>Most colleges will not have a one-semester course equivalent to CHEM 107/117, so a two-semester chemistry sequence would be required. In this case, the second-semester course will substitute for the required 107/117 courses. (117 is the lab associated with 107.)</td>
</tr>
<tr>
<td>CSCE 206</td>
<td>Any four-hour course covering Java, C, or C++ may be used.</td>
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<tr>
<td>ENGL 104</td>
<td>ENGL 1301</td>
</tr>
<tr>
<td>ENGL 210</td>
<td>ENGL 2311 (currently ENGL 203 (1302) and ENGL 241 are accepted as substitutes for ENGL 210)</td>
</tr>
<tr>
<td>MATH 151</td>
<td>MATH 2413</td>
</tr>
<tr>
<td>MATH 152</td>
<td>MATH 2414</td>
</tr>
<tr>
<td>MATH 253</td>
<td>MATH 2415 (will substitute for MATH 251)</td>
</tr>
<tr>
<td>MATH 304</td>
<td>MATH 2318 (not technically the same, but we accept the transfer)</td>
</tr>
<tr>
<td>MATH 308</td>
<td>MATH 2320 (not technically the same, but we accept the transfer)</td>
</tr>
<tr>
<td>PHYS 218</td>
<td>PHYS 2425 (or PHYS 2325 and PHYS 2125 together)</td>
</tr>
<tr>
<td>PHYS 219</td>
<td>PHYS 2426 (or PHYS 2326 and PHYS 2126 together) will substitute for PHYS 208.</td>
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</tbody>
</table>

Although ENGR 2301 and ENGR 2401 are not equivalent to MEEN 221 because they lack coverage of particle dynamics, we will count either as an appropriate substitution for MEEN 221.
Equivalencies for Core Course Requirements
This list may become out of date as all courses must periodically become re-certified.
The authoritative source for core courses is found at
http://core.tamu.edu

Political Science: both courses required
POLS 206    GOVT 2305
POLS 207    GOVT 2306

History: two courses required. Must be US or Texas history with at most one regarding Texas History
HIST 105    HIST 1301
HIST 106    HIST 1302
HIST 226    HIST 2301

Social and Behavioral Science: one three-hour course required
ECON 202    ECON 2302
ECON 203    ECON 2301
AGEC 105    AGRI 2317
PSYC 107    PSYC 2301
ANTH 201    ANTH 2346 (also satisfies International/Cultural Diversity Req.)
ANTH 202    ANTH 2302
GEOG 201    GEOG 1302 (also satisfies International/Cultural Diversity Req.)
SOCI 205    SOCI 1301 (also satisfies International/Cultural Diversity Req.)

Creative Arts: one three-hour course required
ARTS 149    ARTS 1303
ARTS 150    ARTS 1304 (also satisfies International/Cultural Diversity Req.)
ENDS 101    ARCH 1311 (also satisfies International/Cultural Diversity Req.)
ENDS 115    ARCH 1307
FILM 251    COMM 2366 (also satisfies International/Cultural Diversity Req.)
THAR 101    DRAM 1310 (also satisfies International/Cultural Diversity Req.)
ARCH 249    ARCH 1301 (also satisfies International/Cultural Diversity Req.)
ARCH 250    ARCH 1302 (also satisfies International/Cultural Diversity Req.)

Courses NOT on the Industrial Engineering Degree Plan

PHYS 201   (PHYS 1401 or PHYS 1301 and PHYS 1101)
PHYS 202   (PHYS 1402 or PHYS 1302 and PHYS 1102)
STAT 201   (MATH 1342 or MATH 1442)
MATH 150   (MATH 2412)
ENGR 1201