

Change-of-Major and Transfer Policy Industrial and Systems Engineering Department

Texas A&M undergraduate students wishing to change their major to industrial engineering will be considered if (1) their TAMU cumulative GPA at College Station is at least 2.5 and (2) their GPA over the CBK* courses is at least a 2.5. Students who apply after the semester starts will need to wait for a final decision on their transfer request until the end of the semester when grades for that semester become available. Most decisions regarding change-of-major requests will be made one week after the semester's grades are available. Except for students with outstanding academic records, change-of-major requests will not be considered without completing at least MATH 151 and 152 and PHYS 218 and 208 or after the department has reached its undergraduate enrollment capacity goal.

Transfer students from other universities or colleges should have a cumulative GPA and a CBK GPA of at least 3.0, but exceptions can be made including taking into consideration the reputation of the university from which the student is requesting the transfer. Because industrial and systems engineering requires good math skills, students interested in transferring should have completed the equivalent to MATH 151 and 152 and PHYS 218 and 208 with at least a GPA of at least 3.0. Preference will be given to students who have completed their CBK courses. Transfer students will be admitted during the semester as long as the department's projected enrollment for the following semester is below the department's undergraduate enrollment capacity goal.

Transfer and Change-of-Major students are admitted into the department on a provisional basis. To continue in the department past the first semester, students must have a semester GPA greater than 2.0. In addition, the completed courses during that first semester within the department must include at least 12 hours towards the INEN degree with no D, F or Q grade for CBK or ISEN courses.

To be assured of moving from lower division status (INEL) to upper division status (INEN), students must have a C or better in all CBK courses and have a cumulative GPA over both CBK courses and over all TAMU courses of at least 2.5. Students who cannot move to upper division status after attempting 60 hours (transfer and TAMU) cannot continue within the ISEN department. An exception is made to the 60 hour limit for students who transfer or change their major having already attempted 60 hours, in which case, they have one semester in which to complete the CBK and move to upper division status.

The department does not admit or readmit students who have been suspended for academic misconduct or scholastic dishonesty. Change of major requests for students on conduct probation are also not approved. Some standard course substitutions are as follows:

1. ENDG 105 will count for ENGR 111. Once a student is within the Engineering College, the ENGR 111 course must be taken if ENDG 105 was not previously taken.
2. CSCE 110, 111, 121, 203, 206 will count for ENGR 112. If one of the CSCE courses is used for ENGR 112 other than CSCE 110, the CSCE 206 course requirement is replaced with a technical elective. Once a student is within the Engineering College, the ENGR 112 course must be taken if one of the computer science courses listed above was not previously taken.
3. MATH 253 can be used for MATH 251.
4. MATH 323 can be used for MATH 304.
5. PHYS 219 can be used for PHYS 208.
6. CHEM 102/112 can be used instead of CHEM 107/117.

*The CBK (common body of knowledge) courses:

ENGL 104; CHEM 107, 117; ENGR 111, 112; MATH 151, 152; PHYS 218, 208

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.

<u>TAMU Course</u>	<u>Texas Common Course Number</u>
CHEM 102/112	CHEM 1412 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.)
ENDG 105	ENGR 1204 or 1304 (can be used for ENGR 111 when transferring)
CSCE 206	COSC 1420 (COSC 1320 or 1420 for ENGR 112 when transferring)
ENGL 104	ENGL 1301
ENGL 210	ENGL 2311 (currently ENGL 203 (1302) and ENGL 241 are accepted as substitutes for ENGL 210)
MATH 151	MATH 2413
MATH 152	MATH 2414
MATH 253	MATH 2415 (will substitute for MATH 251)
MATH 304	MATH 2318 (not technically the same, but we accept the transfer)
MATH 308	MATH 2320 (not technically the same, but we accept the transfer)
PHYS 218	PHYS 2425 (or PHYS 2325 and PHYS 2125 together)
PHYS 219	PHYS 2426 (or PHYS 2326 and PHYS 2126 together) will substitute for PHYS 208.

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

Political Science: both courses required

POLS 206 GOVT 2305

POLS 207 GOVT 2306

(Note: GOVT 2301 & 2302 are being phased out but can be used for requirement.
GOVT 2301 and (GOVT 2305 or 2306) is also okay)

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

ANTH 210 ANTH 2351 (also satisfies International/Cultural Diversity Req.)

GEOG 201 GEOG 1302 (also satisfies International/Cultural Diversity Req.)

SOCI 205 SOCI 1301

GEOG 201 GEOG 1302 (also satisfies International/Cultural Diversity Req.)

Visual and Performing Arts: one three-hour course required

ARTS 103 ARTS 1311

ARTS 111 ARTS 1316

ARTS 149 ARTS 1303

ARTS 150 ARTS 1304 (also satisfies International/Cultural Diversity Req.)

THAR 101 DRAM 1310

THAR 110 DRAM 1351

THAR 280 DRAM 2361

THAR 281 DRAM 2362 (also satisfies International/Cultural Diversity Req.)

ARCH 249 ARCH 1301

ARCH 250 ARCH 1302 (also satisfies International/Cultural Diversity Req.)

MUSC 201 MUSC 1306

Courses **NOT** on the Industrial Engineering Degree Plan

PHYS 201 (PHYS 1401 or PHYS 1301 and PHYS 1101)

PHSY 202 (PHYS 1402 or PHYS 1302 and PHYS 1102)

STAT 201 (MATH 1342 or MATH 1442)

MATH 150 (MATH 2412)

ENGR 1305