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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------|------------|-----|
| Student Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SPC Advisor:                                                                                  |       |            |     |
| Student ID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TTU Advisor:                                                                                  |       |            |     |
| Texas Tech University                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                               |       |            |     |
| Pre-Chemical Engineering Transfer Guide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                               |       |            |     |
| Lower Division Requirements at South Plains College for an AS degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                               |       |            |     |
| SPC Catalog: Associate of Science: Pre-Engineering                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                               |       |            |     |
| Pre-requisites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                               |       |            |     |
| SPC Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TTU Course Equivalency                                                                        | Grade | Credit Hrs | TCC |
| MATH1314 - College Algebra<br>and MATH1316 - Plane Trigonometry <sup>1</sup> or<br>(Grade of "C" or better required)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MATH1320 (Mathematics)<br>MATH1321 (Mathematics)<br>Not required for Engineering major at TTU |       | 6          | 020 |
| MATH2412 - Pre-Calculus <sup>1</sup> (Grade of "C" or better required)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MATH1350 (Mathematics)<br>Not required for Engineering major at TTU                           |       | 4          | 020 |
| COSC1301 - Intro to Computing and Logic (Grade of "C" or better required)<br>Prerequisite: TSI Compliance in ELAR/MATH required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CS 1300<br>Not required for Engineering major at TTU.                                         |       | 3          |     |
| 1. Students who take MATH1316 or MATH2412 and do not complete all their math sequencing courses at SPC, must achieve a "B" or better in the aforementioned course(s) allowing enrollment into TTU's MATH1451.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                               |       |            |     |
| First Semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                               |       |            |     |
| SPC Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TTU Course Equivalency                                                                        | Grade | Credit Hrs | TCC |
| ENGL1301 - Composition I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ENGL1301 (Written Communication)                                                              |       | 3          | 010 |
| ENGR1201 - Introduction to Engineering (Grade of "C" or better required)<br>Prerequisite: MATH1314 with a "C" or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ENGR1110                                                                                      |       | 2          |     |
| MATH2413 - Calculus I (Grade of "C" or better required)<br>Prerequisite: MATH1316 or MATH2412 with a "C" or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MATH1451 (Mathematics)                                                                        |       | 4          | 020 |
| COSC1436 - Programming Fundamentals I<br>Prerequisite: COSC1301 and MATH1314 with a "C" or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CS1411<br>Not required for Engineering major at TTU                                           |       | 4          |     |
| GOVT2305 - American Government or<br>GOVT2306 - Texas Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | POLS1301 or<br>POLS2306 (Government)                                                          |       | 3          | 070 |
| Kinesiology Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PF&W 11--<br>Not required for Engineering major at TTU.                                       |       | 1          |     |
| TOTAL SEMESTER HOURS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                               |       | 17         |     |
| Second Semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                               |       |            |     |
| SPC Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TTU Course Equivalency                                                                        | Grade | Credit Hrs | TCC |
| ENGL1302 - Composition II<br>Prerequisite: ENGL1301 with a "C" or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ENGL1302 (Written Communication)                                                              |       | 3          | 010 |
| MATH2414 - Calculus II (Grade of "C" or better required)<br>Prerequisite: MATH2413 with a "C" or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MATH1452 (Mathematics)                                                                        |       | 4          |     |
| CHEM1411 - General Chemistry I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CHEM1307/1107 (Life and Physical Sciences)                                                    |       | 4          | 030 |
| PHYS2425 - Principles of Physics I (Grade of "C" or better required)<br>Prerequisite: MATH2413                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PHYS1408 (Life & Physical Science)                                                            |       | 4          | 030 |
| HIST1301 - US History I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | HIST2300 (American History)                                                                   |       | 3          | 060 |
| TOTAL SEMESTER HOURS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                               |       | 18         |     |
| Third Semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                               |       |            |     |
| SPC Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TTU Course Equivalency                                                                        | Grade | Credit Hrs | TCC |
| MATH2415 - Calculus III (Grade of "C" or better required)<br>Prerequisite: MATH2414 with a "C" or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MATH2450                                                                                      |       | 4          |     |
| CHEM1412 - General Chemistry II<br>Prerequisite: CHEM1411 with a "C" or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CHEM1308/1108                                                                                 |       | 4          |     |
| MATH2318 - Linear Algebra (Grade of "C" or better required)<br>Prerequisite: MATH2414 with a "C" or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MATH2360<br>Not required for this degree at TTU, but beneficial for MATH2320                  |       | 3          |     |
| PHYS2426 - Principles of Physics II<br>Prerequisite: MATH2414 and PHYS2425 with a "C" or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PHYS2401(Life and Physical Sciences)                                                          |       | 4          |     |
| TOTAL SEMESTER HOURS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                               |       | 15         |     |
| Fourth Semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                               |       |            |     |
| SPC Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TTU Course Equivalency                                                                        | Grade | Credit Hrs | TCC |
| MATH2320 - Differential Equations (Grade of "C" or better required)<br>Prerequisite: MATH2414 with a "C" or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MATH2---/3350<br>Not calculated as Jr/Sr hours.                                               |       | 3          |     |
| HIST1302 - US History II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HIST2301(American History)                                                                    |       | 3          | 060 |
| ENGR2308 - Engineering Economics (Grade of "C" or better required)<br>Prerequisite: MATH2413 with a "C" or Better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IE2324 (Social & Behavioral Sciences)                                                         |       | 3          | 080 |
| Engineering Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Choose from approved/co-enrollment list.                                                      |       | 3          |     |
| Creative Arts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (Creative Arts)                                                                               |       | 3          | 050 |
| TOTAL SEMESTER HOURS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                               |       | 15         |     |
| Total Transfer Hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                               |       | 65         |     |
| Students need to complete at least 60 hours for an associate's degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                               |       |            |     |
| Please refer to the General Degree Requirements section in the catalog for additional information.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                               |       |            |     |
| Using this Transfer Advising Guide with Texas Tech University                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                               |       |            |     |
| This Transfer Advising Guide represents Texas Tech's degree plan and is subject to change at the university's discretion. It is intended for advising purposes only so students know exactly which courses they can take at South Plains College and have the courses count towards degree requirements when they transfer to Texas Tech. It is highly recommended that students meet with their assigned academic advisor to review all graduation and transfer requirements listed in the Transfer Advising Guide. The ultimate goal is to provide students with accurate information for transfer pathways while minimizing loss of credits in transfer. Students are encouraged to review Texas Tech's requirements frequently. The Transfer Advising Guide is based upon Texas Tech University's catalog and is subject to change. |                                                                                               |       |            |     |

| Degree Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |
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| TSI - Compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                        |
| Students who are not TSI-compliant in reading or English are advised to take the INRW0300/ENGL1301 corequisite. Successful completion will grant TSI-compliance in these areas and college-credit for ENGL1301. ENGL1302 requires a 'C' or better in the corequisite or approval by the English Chairperson. Students who are not TSI-compliant in math are advised to take the MATH0314/MATH1314 corequisite. Successful completion will grant TSI-compliance in math and college-credit for MATH1314.                                                                                                                                                                                                                              |                                                                        |
| Texas Tech University Uniform Graduation Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                        |
| Foreign Language Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                        |
| Students must meet the foreign language requirement for Texas Tech University (See the TTU Uniform Graduation Requirements below). An SPC student, who has not earned two years of a single foreign language in high school, can take SPAN1411 and SPAN1412 at SPC. If the student has earned two years of a single foreign language in high school, no further foreign language is required for this major.                                                                                                                                                                                                                                                                                                                         |                                                                        |
| Science Laboratory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                        |
| Students graduating from Texas Tech University are required to complete two semester credit hours of science laboratory courses. Normally this will be done by taking two 4-credit science courses or combinations of lecture and lab.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                        |
| Core Curriculum and Communication Literacy Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                        |
| Communication Literacy Requirement: Students will complete the required communication literacy requirement.<br>Core Curriculum Requirement: Students will complete the required core curriculum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                        |
| ADDITIONAL COURSES THAT CAN BE TAKEN AT SPC FOR TRANSFER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                        |
| SPC Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TTU Course Equivalency                                                 |
| GOVT2305 - American Government or<br>GOVT2306 - Texas Government<br><small>Course not taken for AS degree</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | POLS1301 or<br>POLS2306 (Government)                                   |
| CHEM 2423 - Organic Chemistry I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CHEM 2---/3305 + 3105<br><small>Not calculated as Jr/Sr hours.</small> |
| Texan to Red Raider Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                        |
| <b>Texan to Red Raider Website:</b> <a href="https://www.southplainscollege.edu/texantoredraider/">https://www.southplainscollege.edu/texantoredraider/</a><br>Students transferring to Texas Tech can take advantage of the Texan to Red Raider program. Students who apply to TTU as a non-degree seeking student can be dual enrolled in classes at both institutions. The following courses are approved for dual enrollment for this major:<br><br>ENGR1320 - Bio-Inspired Design for Engineers or ENGR 1340 - Intro to Engineering Design<br>ENGR2392 - Engineering Ethics and Its Impact on Society<br>CHE2310 - Intro to Chemical Process<br>CHE 2321 - Chemical Engineering Thermodynamics I<br><br>Prerequisites do apply. |                                                                        |

# Texas Tech University Information

## Admissions

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| <b>Transfer Application:</b>   | <a href="https://www.depts.ttu.edu/admissions/apply/">https://www.depts.ttu.edu/admissions/apply/</a>                                                   |
| <b>Application Checklist:</b>  | <a href="https://www.depts.ttu.edu/admissions/TransferChecklist.pdf">https://www.depts.ttu.edu/admissions/TransferChecklist.pdf</a>                     |
| <b>Dates and Deadlines:</b>    | <a href="https://www.depts.ttu.edu/admissions/apply/ImportantDates/">https://www.depts.ttu.edu/admissions/apply/ImportantDates/</a>                     |
| <b>Admission Guide:</b>        | <a href="https://www.depts.ttu.edu/admissions/AdmissionGuide/Viewbook_Web.pdf">https://www.depts.ttu.edu/admissions/AdmissionGuide/Viewbook_Web.pdf</a> |
| <b>TTU Admission Webinars:</b> | <a href="https://www.depts.ttu.edu/admissions/virtualevents/index.php">https://www.depts.ttu.edu/admissions/virtualevents/index.php</a>                 |

## Special College Admission Requirements

Some academic colleges and departments at Texas Tech only accept students who meet assured admission requirements. College entrance requirements are subject to change and are listed in the Texas Tech Undergraduate Catalog.

## Transfer Advising

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| <b>Transfer Website:</b>          | <a href="https://www.depts.ttu.edu/admissions/advising/">https://www.depts.ttu.edu/admissions/advising/</a>                                                                           |
| <b>Degree Works:</b>              | <a href="https://ttudegreeworks.texastech.edu/Transfer/#1/transfer/">Degree Works: https://ttudegreeworks.texastech.edu/Transfer/#1/transfer/</a>                                     |
| <b>Additional Advising Notes:</b> | Refer to and read the TTU Undergraduate Catalog. Pay close attention to course sequencing and availability at TTU as it will affect the time it takes to complete the degree program. |

## Applicable Transfer Credit Hours

Evaluation of course credit earned at other institutions by the TTU Transfer Evaluation Office does not guarantee approval of the credit for use toward degree requirements. Only the academic dean of the college offering the program in which a student is enrolled has authority for determining which courses will be applied toward any specific program. The only exception to this rule is that no transferred course completed with a grade below C- may be applied to fulfill course requirements in majors, minors, or concentrations. Applicants must submit official records from all accredited institutions attended. Official transcripts must be sent directly to the Office of Undergraduate Admissions. All college-level, non-vocational courses completed with a passing grade of D or above at regionally accredited colleges and universities (not including trade or technical schools) will be evaluated for acceptance of transfer credit by the TTU Transfer Evaluation Office. The TTU Transfer Evaluation Office determines acceptable transfer credit on the basis of an evaluation of course content as described from the sending institution's catalog and in consultation with the appropriate academic units at Texas Tech University as necessary for clarification. While all credit hours presented on the sending institution's transcripts will be evaluated and equivalent college level courses posted to the student's academic record, a maximum of 80 semester credit hours from two-year colleges may be applied toward Texas Tech University degree requirements. Courses that are accepted for transfer do not necessarily apply toward college, departmental, or program degree requirements.

## Degree Programs

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| <b>TTU Degree Programs:</b> | <a href="https://www.ttu.edu/majors-and-colleges/undergraduate-majors/">https://www.ttu.edu/majors-and-colleges/undergraduate-majors/</a> |
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## Financial Aid

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| <b>Financial Aid Website:</b> | <a href="https://www.depts.ttu.edu/financialaid/">https://www.depts.ttu.edu/financialaid/</a>                                                                                        |
| <b>Transfer Scholarships:</b> | <a href="https://www.depts.ttu.edu/scholarships/transferStudentsScholarships.php">Transfer Scholarships: https://www.depts.ttu.edu/scholarships/transferStudentsScholarships.php</a> |
| <b>Red Raider Guarantee:</b>  | <a href="https://www.depts.ttu.edu/financialaid/guarantee/">Red Raider Guarantee: https://www.depts.ttu.edu/financialaid/guarantee/</a>                                              |

## Cost of Attendance

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| <b>Cost of Attendance:</b> | <a href="https://www.depts.ttu.edu/financialaid/costtoattend.php">https://www.depts.ttu.edu/financialaid/costtoattend.php</a> |
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## Orientation

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| <b>Red Raider Orientation</b> | <a href="https://www.depts.ttu.edu/orientation/Transfer/">https://www.depts.ttu.edu/orientation/Transfer/</a> |
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## Honors College

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| <b>TTU Honors Website:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="https://www.depts.ttu.edu/honors/">https://www.depts.ttu.edu/honors/</a> |
| <p>SPC students are encouraged and invited to apply to the TTU Honors College. The Honors College utilizes a holistic review process in which all application materials are considered before a decision is awarded. As an SPC Honors student, the following information may prove useful: TTU will apply up to 12 hours of SPC-approved Honors credit, with a grade earned of B- or higher in each course, towards completion of the 24 TTU Honors hours. Students must apply to the Honors College and can also receive a fee waiver for the \$35 application fee to the Honors College. Honors students at SPC can contact Honors.Admissions@ttu.edu about having the application fee waived. Explore the opportunities offered through the TTU Honors College.</p> |                                                                                   |