

Student ID: _____	SPC Advisor(s): _____
Student Name: _____	TTU Advisor(s): _____

Pre-Electrical Engineering – AS to BS – Texas Tech University 2020-2021

Lower Division Requirements at South Plains College for an AS degree

The courses in this section meet the requirements for an Associate of Science degree. Please reference the General Degree Requirements section in the catalog for additional information.

Prerequisites

Course Name	Term Taken	Credit Hours	Grade
MATH1314 – College Algebra will transfer as MATH1320 (TTU Math Core – 020) and		3	
MATH1316 – Plane Trigonometry will transfer as MATH1321 (TTU Math Core – 020), or		3	
MATH2412 – Precalculus will transfer as MATH1550 (TTU Math Core – 020)		4	
COSC1301 – Introduction to Computing and Logic counts toward degree requirements for AS <u>Will not count towards degree at TTU, prerequisite for COSC 1436, Programming Fundamentals I and COCS 1420, C Programming</u> Prerequisite: MATH1314 - College Algebra will transfer as MATH1320 (TTU Math Core – 020) or MATH 2412 – Precalculus will transfer as MATH1550 (TTU Math Core – 020) with a 'C' or better.		3	

First Semester

Course Name	Term Taken	Credit Hours	Grade
ENGL1301 – Composition I will transfer as ENGL1301 (TTU Communication Core – 010).		3	
HIST1301 – United States History I will transfer as HIST2300 (TTU American History Core – 060).		3	
MATH2413 – Calculus I will transfer as MATH1451 (TTU Math Core – 020). Prerequisite: MATH1314 - College Algebra will transfer as MATH1320 (TTU Math Core – 020) and MATH1316 – Plane Trigonometry will transfer as MATH1321 (TTU Math Core – 020) or MATH 2412 – Precalculus will transfer as MATH1550 (TTU Math Core – 020) with a 'C' or better.		4	
CHEM1411 – General Chemistry I will transfer as CHEM1307 and CHEM1107 (TTU Life & Physical Science Core – 030).		4	
First Semester Hours		14	

Second Semester

Course Name	Term Taken	Credit Hours	Grade
ENGL1302 – Composition II will transfer as ENGL1302 (TTU Communication Core – 010). Prerequisite: ENGL1301 with a 'C' or better or English Chairperson Approval.		3	
MATH2414 – Calculus II will transfer as MATH1452 (TTU Math Core – 020). Prerequisite: MATH2413 with a 'C' or better.		4	
PHYS2425 – Principles of Physics I will transfer as PHYS 1408 (TTU Life & Physical Science Core – 030). Prerequisite: MATH2413 with a 'C' or better.		4	
KINE Activity Course counts toward degree requirements for AS		1	
HIST1302 – United States History II will transfer as HIST2301 (TTU American History Core – 060).		3	
Total Semester II Hours		15	

Third Semester			
Course Name	Term Taken	Credit Hours	Grade
Creative Arts select one course from the Creative Arts Core (SPC Creative Arts Core – 050 and TTU Creative Arts Requirement).		3	
MATH2415 – Calculus III will transfer as MATH2450 Prerequisite: MATH2414 with a 'C' or better.		4	
MATH2318 – Linear Algebra will transfer as MATH2360 <u>Will not count towards degree at TTU, but useful for MATH2320 (Differential Equations).</u> Prerequisite: MATH2414 with a 'C' or better.		3	
Institutional Component Area Core - 090 (Speech) : Select one of the following: SPCH1315 will transfer as COMS2300 and SPCH1321 will transfer as MCOM2310. (TTU Oral Communication Core).		3	
PHYS2426 – Principles of Physics II will transfer as PHYS2401 Life & Physical Science – 030 Prerequisite: MATH2414 and PHYS2425 with a 'C' or better.		4	
KINE Activity Course counts toward degree requirements for AS		1	
Third Semester Hours		18	
Fourth Semester			
Course Name	Term Taken	Credit Hours	Grade
ENGR 2308 – Engineering Economics will transfer as IE2324 (TTU Social & Behavioral Sciences Core – 080). Prerequisite: MATH2413 with a 'C' or better.		3	
ENGR2305 and ENGR2105 – Electrical Circuits I will transfer as ECE3302 must earn 'B' in course to count for degree at TTU <u>ENGR 2105 not offered yet at SPC</u> Prerequisite: PHYS2426 and MATH2414 with a 'C' or better. Pre/Corequisite: MATH2320		4	
MATH2320 – Differential Equations will transfer as MATH3350		3	
COSC1420 – C Programming will transfer as ECE1305. <u>Course not offered yet at SPC</u> Prerequisite: COSC1301 with a 'C' or better.		4	
Fourth Semester Hours		14	
Total Hours		61	
Additional Courses			
Course Name	Term Taken	Credit Hours	Grade
GOVT2305 – Federal Government will transfer as POLS1301 (TTU Government Core – 070).		3	
GOVT2306 – Texas Government will transfer as POLS2306 (TTU Government Core – 070).		3	
Language, Philosophy & Culture – Select one course from the Language, Philosophy, and Culture Core (SPC Language, Philosophy, and Culture Core – 040 and TTU Language, Philosophy, and Culture Requirement).		3	
COSC1436 – Programming Fundamentals I will transfer as CS1411. <u>Will not count towards degree at TTU, but useful in career, any graduate work, and prerequisite for all other programming courses</u> Prerequisite: COSC1301 with a 'C' or better.		4	

Multicultural Elective at TTU

In addition to the core, every student must successfully complete at least one 3-hr multicultural course or its equivalent that focuses explicitly on the distinctive subcultures of the United States or another society. At South Plains College, students can earn credit towards the multicultural elective by taking one of the following courses: *ANTH2351*, *ARTS1301*, *GEOG1302*, *GEOG1303*, *HUMA2319*, *PHIL1304*, and *SOCI1301*.

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.

Applicable Transfer Credit Hours

This transfer guide provides 70 credit hours. Evaluation of course credit earned at other institutions by the TTU Transfer Evaluation Office does not decree 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.

Assured Admission to Texas Tech University

If you present the required combination of transferable hours and GPA below, you are assured admission. GPA is cumulative for all transferable courses (including dual credit) from all schools attended. Courses taken for grade replacement are used for GPA calculation only if the same course is repeated at the same institution where it was originally taken.

Transferable Hours	GPA Requirements
12-23 hours	2.50 cumulative
24 or more hours	2.25 cumulative

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](#).

Additional Texas Tech Advising Notes

- Make an appointment with an academic advisor of the major, once accepted to TTU, in order to clarify department, university policies and procedures, to review course sequencing, and to help with identifying resources for academic success. A current list of academic advising resources can be found at <https://www.depts.ttu.edu/admissions/advising/staff.php>.
- Refer to the official source of information on specific courses within the TTU requirements of this degree plan from the TTU Undergraduate Catalog or visit the web site at www.ttu.edu.
- 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.

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 2020-2021 catalog and is subject to change.

Transfer Scholarships

Transfer Scholarships are offered to students who are admitted as transfer students based on official transcripts submitted to the Office of Admissions and pay toward fall and spring terms.

Complete requirements early - final awards are based on transcripts received by July 31st for fall or January 6th for spring entry terms.

Non-residents awarded a Proven Achievers or IMPACT President's Scholarship will qualify to pay in-state tuition.

PRESIDENTIAL TRANSFER SCHOLARSHIP

Qualifications Texas Resident 30 Transferable GPA Hours 3.0 GPA Financial Need as Evidenced by FAFSA or TAFSA
\$3,000 <i>per year</i>
Renewal Requirement 3.0 GPA & 12 hours earned per term Financial need as determined by the FAFSA or TASFA

PROVEN ACHIEVERS SCHOLARSHIP

Qualifications 60 Transferable GPA Hours 3.5 GPA
\$4,000 <i>per year</i>
Renewal Requirement 3.25 GPA & 12 hours earned per term

Transfer Merit Scholarships are guaranteed for students who have transcripts and other required documents submitted by July 31 for Fall entry or January 5 for Spring entry. Scholarships are renewable for up to three consecutive years (six total terms). Students must enroll in a minimum of 12 credit hours; 9 must be TTU hours. Students with approved consortium agreements must take a minimum of 9 TTU hours. Transferable hours exclude credit hours from AP, CLEP, or military credits. Students must meet all criteria to qualify.

* Transferable hours exclude credit hours earned from AP, CLEP, or military credits.

* Students awarded a transfer level scholarship of \$2,500 for 2 years can be upgraded. Based on updated transcript information, students could then qualify for a Presidential Transfer or Proven Achievers level scholarship. This would be considered an upgrade. Students are only eligible for one transfer level scholarship but may qualify for other university scholarships.

* Prior approval is required from the Scholarship Office for those taking fewer than 12 hours.

TTU Costa Rica Students are not eligible for scholarships.

Returning Texas Tech students are not eligible for transfer scholarships.

****Please note: A GPA of below a 2.0 for any one term will result in automatic cancellation of this award.****

