

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

Industrial Manufacturing & Emerging Technologies/Renewable Energy – AAS to BAAS – Texas Tech University

Lower Division Requirements at South Plains College for an AAS degree

The courses in this section meet the requirements for an Associate of Applied Science degree. Please reference the General Degree Requirements section in the catalog for additional information. [SPC core curriculum courses fulfill TTU requirements.](#)

First Semester

Course Name	Term Taken	Credit Hours	Grade
AIRP1108 – Drone Pilot Test Preparation* counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		1	
AERM2223 – Drone Assembly and Rigging counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		2	
CETT1302 – Electricity Principles counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
CETT1325 – Digital Fundamentals* counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
MCHN1332 – Bench Work and Layout* or CNBT1318 – Construction Tools and Techniques counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
MATH (SPC Math Core – 020, SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement, and TTU Mathematics Requirement). Students are encouraged to take MATH1314 , MATH1316 , or MATH2412		3/4	
First Semester Hours		15/16	

Second Semester

Course Name	Term Taken	Credit Hours	Grade
INMT1370 – MSSC Production Technician Certification* counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
WIND1300 – Introduction to Wind Energy counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	

CETT1329 – Solid State Devices counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
RBTC1305 – Robotics Fundamentals* counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
ENGL1301 – Composition I will transfer as ENGL1301 (SPC Communication Core – 010, SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement and TTU Written Communication Requirement).		3	
Second Semester Hours		15	
Third Semester			
Course Name	Term Taken	Credit Hours	Grade
ENER2325 – SCADA and Networking counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
PTRT1324 – Petroleum Instrumentation counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
ELPT2319 – Programmable Logic Controllers I counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
CPMT1305 – IT Essentials1: PC Hardware and Software* counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
SPCH1315 Public Speaking will transfer as COMS2300 Public Speaking SPCH1321 Business and Professional Speech will transfer as COMS2358 Business & Professional Communication (SPC Speech Component Core – 090, SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement, and TTU Oral Communication Requirement).		3	
Third Semester Hours		15	
Fourth Semester			
Course Name	Term Taken	Credit Hours	Grade
INMT2370 – MSSC Production Technician Advanced Certification counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
WIND2355 – Wind Turbine Troubleshooting and Repair counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
HYDR1305 – Basic Hydraulics counts as a TTU BAAS in RE AAS Specialty course, up to 33 hours allowed (SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement)		3	
Language, Philosophy, and Culture select one course from the Language, Philosophy, and Culture Core (SPC Language, Philosophy, and Culture Core – 040, SPC Industrial		3	

<p><i>Manufacturing & Emerging Technologies AAS degree requirement, and TTU Language, Philosophy, and Culture Requirement).</i></p>			
<p>Social and Behavioral Sciences <i>select one course from the Social & Behavioral Sciences Core (SPC Social and Behavioral Sciences Core – 080, SPC Industrial Manufacturing & Emerging Technologies AAS degree requirement, and TTU Social & Behavioral Sciences).</i></p>		3	
<p>Fourth Semester Hours</p>		15	
<p>Total Hours</p>		60/61	
<p>Notes *Denotes CTE related courses that may be articulated with high schools.</p>			
<p>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. The BAAS in Renewable Energy requires this to be a Junior or Senior level course and it can be completed at TTU by selecting jr/sr level courses from the Multicultural list in the TTU Catalog.</p>			
<p>Foreign Language Requirement Students must meet the foreign language requirement for Texas Tech University (<i>See the TTU Uniform Graduation Requirements below</i>). An SPC student, who has not earned two years of a single foreign language in high school, can take <i>SPAN1411, SPAN1412, SPAN2311, and SPAN2312</i>. If the student has earned two years of a single foreign language in high school, no further foreign language is required. The TTU foreign language requirement can be satisfied by completing these required courses at SPC.</p>			
<p>SPC American History Core Component – 060 Options Additional options are available to complete the American History Core. <i>Instead of HIST1301, students can take HIST2327 – Mexican American History I, HIST2381 – African American History I, or *HIST2301 – Texas History. For HIST1302, students can take HIST2328 – Mexican American History II, HIST2382 – African American History II, or *HIST2301 – Texas History.</i> Texas History can be used one time to fulfill three of the six hours required.</p>			
<p>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 MATH0332/MATH1332 corequisite. Successful completion will grant TSI-compliance in math and college-credit for MATH1332.</p>			
<p>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.</p>			

Texas Tech University Uniform Graduation Requirements

Foreign Language Requirement

- *Students graduating from Texas Tech University should be able to express, negotiate, and interpret meaning in a second language.*

Any entering student who has not completed two years of a single foreign language in high school must complete at least two semesters (or its equivalent) of a single foreign language at the first-year college level or at least one semester of a foreign language at a 2000 level or higher as a graduation requirement. This requirement may also be satisfied by transferring in the equivalent courses from another college or university. Individual Texas Tech University colleges may have additional foreign language proficiency requirements. Additional requirements may be necessary for select majors.

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.

Communication Literacy Requirement

- Students will complete the required communication literacy requirement.

Core Curriculum Requirement

- Students will complete the required core curriculum.

Multicultural Requirement

- In addition to the State of Texas core curriculum, every student must include at least one 3-hour multicultural course or its equivalent that focuses explicitly on the distinctive subcultures of the United States or on the culture of another society.

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

Certain academic colleges and departments at TTU have special admissions requirements. Please review these requirements by college [here](#).

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](#).

TTU Honors College

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 transfer 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](#).

Texan to Red Raider Program

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:

RE 1300 – Intro to Renewable Energy
RE 1310 – Analytical Methods for Renewable Energy
RE 1110 – Renewable Energy Analytical Modeling Lab
RE 2300 – Social Impacts of Renewable Energy

Prerequisites do apply.

Additional Texas Tech Advising Notes

- 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 catalog and is subject to change.

Transfer Scholarships

PRESIDENTIAL TRANSFER SCHOLARSHIP

QUALIFICATIONS

30 Transferable GPA Hours
3.0 GPA

\$3,000
per year

RENEWAL REQUIREMENT
3.0 GPA & 12 hours earned per term

PROVEN ACHIEVERS SCHOLARSHIP

QUALIFICATIONS

60 Transferable GPA Hours
3.5 GPA

\$4,000
per year

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 15 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. Scholarships are awarded after June 1 based on availability of funds (fall entry). 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.

Students awarded a transfer level scholarship of \$2,500 for 3 years can be upgraded to a Presidential Transfer or Proven Achiever's level scholarship based on updated transcript information received prior to the first, class day of the student's entry semester. Students are eligible for only one university level transfer scholarship.

Transfer Scholarships are offered to students who are admitted as transfer students based on official transcripts submitted to the Office of Undergraduate 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 15th for spring entry terms.

Non-residents awarded a Texas Tech competitive scholarship of \$1,000 or greater (including Proven Achievers) will qualify to pay in-state tuition.