

Student Name:	SPC Advisor:				
Student ID:	TTU Advisor:				
Texas Tech University					
Physics Transfer Guide					
Lower Division Requirements at South Plains College for an AS degree					
SPC Catalog: Associate of Science: Physics					
Prerequisites					
SPC Course	TTU Course Equivalency	Grade	Credit Hrs	*TCC	
MATH1314 - College Algebra and MATH1316 - Plane Trigonometry	MATH1320 and MATH1321 (Mathematics)		6	020	
or MATH2412 - Precalculus	MATH1350 (Mathematics)		4	020	
First Semester					
SPC Course	TTU Course Equivalency	Grade	Credit Hrs	TCC	
MATH2413 - Calculus I (Grade of "C" or better required) Prerequisite: MATH1316 or 2412 with "C" or better	MATH1451 (Mathematics)		4	020	
ENGL1301 - Composition I	ENGL1301 (Written Communication)		3	010	
HIST1301 - United States History I	HIST2300 (American History)		3	060	
Social and Behavioral Science	(Social & Behavioral Sciences)		3	080	
Creative Arts Core	(Creative Arts)		3	050	
Kinesiology Activity	(Personal Fitness & Wellness)		1		
TOTAL SEMESTER HOURS			17		
Second Semester					
SPC Course	TTU Course Equivalency	Grade	Credit Hrs	TCC	
PHYS2425 - Principles of Physics (Grade of "C" or better required) Prerequisite: MATH2413	PHYS1408 (Life & Physical Science)		4	030	
MATH2414 - Calculus II (Grade of "C" or better required) Prerequisite: MATH2413 with a "C" or better	MATH1452 (Mathematics)		4		
ENGL1302 - Composition II Prerequisite: ENGL1301 with a "C" or better	ENGL1302 (Written Communication)		3	010	
HIST1302 - United States History II	HIST2301 (American History)		3	060	
SPAN2311 - Intermediate Spanish I Prerequisite: SPAN1412 with a "C" or better	SPAN2301 (Foreign Language)		3		
TOTAL SEMESTER HOURS			17		
Third Semester					
SPC Course	TTU Course Equivalency	Grade	Credit Hrs	TCC	
PHYS2426 - Principles of Physics II (Grade of "C" or better required) Prerequisites: MATH2414 and PHYS2425	PHYS2401		4		
MATH2415 - Calculus III (Grade of "C" or better required) Prerequisite: MATH2414 with a "C" or better	MATH2450		4		
CHEM1411 - General Chemistry I	See TTU Transfer Advisor		4	030	
GOVT2305 - Federal Government	POLS1301 (Government)		3	070	
MATH2318 - Linear Algebra (Grade of "C" or better required) Prerequisite: MATH2414 with a "C" or better	MATH2360 - See TTU Transfer Advisor		3		
TOTAL SEMESTER HOURS			18		
Fourth Semester					
SPC Course	TTU Course Equivalency	Grade	Credit Hrs	TCC	
MATH2320 - Differential Equations (Grade of "C" or better required) Prerequisite: MATH2424 with a "C" or better	MATH 2---/3350 (Not calculated as Jr/Sr hours)		3		
CHEM1412 - General Chemistry II Prerequisite: CHEM1411 with a "C" or better	See TTU Transfer Advisor		4		
GOVT2306 - Texas Government	POLS2306 (Government)		3	070	
Sophomore Literature Choose one: ENGL 2321, 2326, 2328, 2331, 2332, 2333, 2341, or 2351.	(2000-level English Literature)		3	040	
SPCH1315 - Public Speaking	COMS2300 (Oral Communication)		3	090	
Kinesiology Activity	Elective - See TTU Transfer Advisor		1		
TOTAL SEMESTER HOURS			17		
Total Transfer Hours				69	
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

TTU offers three concentrations for this degree: Astrophysics, Professional, and Quantum Science & Technology.

### TTU Physics Concentration

The Bachelor of Science in Physics has three concentrations areas: professional physics, astrophysics, and applied physics. If you are interested in astronomy & astrophysics take ASTR 1403 – Stars & Galaxies as it will transfer to TTU as ASTR 1401.

### 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.

### 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.*

An SPC student who has not earned two years of a single foreign language in high school can take SPAN1411, SPAN1412 and SPAN 2301. If the student has earned two years of a single foreign language in high school the student may take SPAN 2301. The TTU foreign language requirement can be satisfied by completing these required courses at SPC.

#### 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.

### Texan to Red Raider Program

**Texan to Red Raider Website:** <https://www.southplainscollege.edu/texantoredraider/>

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:

PHYS 2302 – Principles of Physics III: Intermediate Classical Mechanics

PHYS 2305 – Computation for the Physical Sciences

Prerequisites do apply.

# Texas Tech University Information

## Admissions

<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

<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/#!/transfer/">Degree Works: https://ttudegreeworks.texastech.edu/Transfer/#!/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

<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

<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

<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

<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

<b>TTU Honors Website:</b>	<a href="https://www.depts.ttu.edu/honors/">https://www.depts.ttu.edu/honors/</a>
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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.