

Student Name:	SPC Advisor:				
Student ID:	WTAMU Advisor:				
West Texas A&M University Mechanical Engineering Transfer Guide					
Lower Division Requirements at South Plains College for an AS degree SPC Catalog: Associate of Science: Pre-Engineering					
Prerequisites					
SPC Course	WTAMU Course Equivalency	Grade	Credit Hrs	*TCC	
MATH1314 - College Algebra and MATH1316 - Plane Trigonometry Grade of "C" or better required	MATH1314 MATH1316		6	020	
or MATH2412 - Precalculus "Grade of "C" or better required	MATH2412		3	020	
COSC1301 - Intro to Computing and Logic (Grade of "C" or better required) Prerequisite: TSI Compliance in ELAR/MATH required			3		
First Semester					
SPC Course	WTAMU Course Equivalency	Grade	Credit Hrs	*TCC	
ENGL1301 - Composition I	ENGL1301 (Communication)		3	010	
CHEM1411 - General Chemistry I (Grade of "C" or better required)	CHEM1411 (Life and Physical Sciences)		4	030	
MATH2413 - Calculus I (Grade of "C" or better required) Prerequisite: MATH1316 or 2412 with "C" or better	MATH2413 (Mathematics)		4	020	
American History Core	(American History)		3	060	
Kinesiology Activity			1		
TOTAL SEMESTER HOURS			15		
Second Semester					
SPC Course	WTAMU Course Equivalency	Grade	Credit Hrs	TCC	
ENGL1302 - Composition II Prerequisite: ENGL1301 with a "C" or better	ENGL1302 (Component Area Option)		3	010	
ENGR1201 - Introduction to Engineering (Grade of "C" or better required) Prerequisite: MATH1314 with a "C" or better	ENGR1301		2		
MATH2414 - Calculus II (Grade of "C" or better required) Prerequisite: MATH2413 with a "C" or better	MATH2414		4		
COSC1436 - Programming Fundamentals I Prerequisite: COSC1301 and MATH1314 or above with a "C" or better	CS1315		4		
American History Core	(American History)		3	060	
TOTAL SEMESTER HOURS			16		
Third Semester					
SPC Course	WTAMU Course Equivalency	Grade	Credit Hrs	TCC	
MATH2415 - Calculus III Prerequisite: MATH2414 with a "C" or better	MATH2315TR - credit awarded for Calculus III, but will not count towards math minor		4		
MATH2318 - Linear Algebra Prerequisite: MATH2414 with a "C" or better	MATH2300 - credit awarded for Linear Algebra, but will not count towards math minor		3		
ENGR2308 - Engineering Economics (Grade of "C" or better required) Prerequisite: MATH2413 with a "C" or better	ENGR3202		3	080	
PHYS2425 - Principles of Physics (Grade of "C" or better required) Prerequisite: MATH2413	PHYS2425		4		
TOTAL SEMESTER HOURS			14		
Fourth Semester					
SPC Course	WTAMU Course Equivalency	Grade	Credit Hrs	TCC	
MATH2320 - Differential Equations (Grade of "C" or better required) Prerequisite: MATH2414 with a "C" or better	MATH2320TR - Credit awarded for Differential Equations , but will not count towards a math minor		3		
ENGR1304 - Engineering Graphics I (Grade of "C" or better required)	ENGR1304		3		
Government Core	(Government/Political Science)		3	070	
PHYS2426 - Principles of Physics II (Grade of "C" or better required) Prerequisite: PHYS2426 and MATH2414	PHYS2426		4		
Creative Arts Core or Speech Communication Core	(Creative Arts) or (Communication)		3	050 090	
TOTAL SEMESTER HOURS			16		
Total Transfer Hours			61		
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 WTAMU					
This Transfer Advising Guide represents West Texas A&M'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 West Texas A&M. 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 West Texas A&M University's requirements frequently. The Transfer Advising Guide is based upon West Texas A&M University's Catalog and is subject to change.					

Degree Information	
Pre-Engineering Admission Requirement	
A grade of "C" or better is required for all prerequisites listed for College of Engineering courses required for MENG majors. The pre-engineering sequence must be completed with a GPA of at least 2.75. MATH 2413 - Calculus I, MATH 2414 - Calculus II, PHYS2425 - Principles of Physics I, PHYS2426 - Principles of Physics II, CS1315 - Programming Fundamentals, ENGR 1301 - Fundamentals of Engineering, ENGR 2301 - Engineering Statics, ENGR 2302 - Engineering Dynamics	
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.	
ADDITIONAL COURSES THAT CAN BE TAKEN AT SPC FOR TRANSFER	
SPC Course	WTAMU Course Equivalency
Government Core (Course not taking in AS)	(Government/Political Science)
Language, Philosophy and Culture	(Language, Philosophy and Culture)
Creative Arts or Speech Communication (Course not taken in AS)	(Creative Arts) or Speech Communication)
ENGR2301 - Engineering Mechanics I - Statics (Grade of "C" or better required) Prerequisite: MATH 2414 and PHYS2425 with a "C" or better	ENGR2301
ENGR2302 - Engineering Mechanics II - Dynamics (Grade of "C" or better required) Prerequisite: ENGR2301 with a "C" or better	ENGR2302
ENGR2302 - Circuits Analysis (Grade of "B" or better required) Prerequisite: PHYS2426 with a "C" or better	ENGR1375
WTAMU Information	
Admissions	
Transfer Admissions:	https://www.wtamu.edu/admissions/apply/transfer.html
Transfer Application Portal:	https://wtamu.my.site.com/ERx_Forms_Portal_Login
Dates and Deadlines:	https://www.wtamu.edu/admissions/apply/deadlines.html
Transfer Student Checklist:	https://www.wtamu.edu/academics/advising/transfer-student-resources/transfer-destination-wt-checklist.html
Transfer Advising	
Transfer Services:	https://www.wtamu.edu/academics/advising/transfer-student-resources/index.html
Additional Advising Notes:	• Make an appointment with an academic advisor of the major, once accepted to WTAMU, in order to clarify department, university policies and procedures, to review course sequencing, and to help with identifying resources for academic success. • Refer to the official source of information on specific courses within the WTAMU requirements of this degree plan from the WTAMU Undergraduate Catalog or visit the web site at www.wtamu.edu • Read the WTAMU Undergraduate Catalog. • Pay close attention to course sequencing and availability at WTAMU as it will affect the time it takes to complete the degree program. It is recommended to transfer when students earn between 60-66 hours
Applicable Transfer Credit Hours	
Evaluation of course credit earned at other institutions by the WTAMU 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 WTAMU Transfer Evaluation Office. The WTAMU 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 West Texas A&M 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 West Texas A&M University degree requirements. Courses that are accepted for transfer do not necessarily apply toward college, departmental, or program degree requirements.	
Degree Programs	
WTAMU Degree Checklists:	https://www.wtamu.edu/academics/advising/degree-checklists/index.html
Financial Aid	
Financial Aid Website:	https://www.wtamu.edu/student-support/financial-aid/index.html
Transfer Scholarships:	https://www.wtamu.edu/student-support/scholarships/transfer-students.html
Bufs Promise:	https://www.wtamu.edu/student-support/financial-aid/buff-promise/index.html
Cost of Attendance	
Cost of Attendance:	https://www.wtamu.edu/student-support/financial-aid/financial-cost-of-attending.html
Tuition Rates	https://www.wtamu.edu/admissions/tuition-rates.html
Orientation	
Transfer Student Orientation	https://www.wtamu.edu/student-life/orientation/transfer-student-orientation.html
All new transfer students must complete Transfer Student Orientation. Transfer students must complete the online Transfer Student Orientation and then have the option to register for an optional Transfer Registration Day on campus.	