



Bachelor of Science in Physics
Tyler Junior College
2+2 Transfer Guide



Tyler Junior College & Angelo State University Transfer Plan for Bachelor of Science in Physics (B.S.)							
Tyler Junior College Fall Semester Year 1			sch	Tyler Junior College Spring Semester Year 1			sch
ENGL 1301 (Core 010N)	Composition I <i>will transfer as ASU's ENGL 1301</i>	3		ENGL 1302 (Core 010N)	Composition II <i>will transfer as ASU's ENGL 1302</i>	3	
MATH 2413 (Core 020N)	Calculus I <i>will transfer as ASU's MATH 2413</i>	4		MATH 2414	Calculus II <i>will transfer as ASU's MATH 2414</i>	4	
CHEM 1411 (Area B 090)	General Chemistry I <i>will transfer as ASU's CHEM 1311/1111</i>	4		PHYS 2425 (Core 030N)	University Physics I <i>will transfer as ASU's PHYS 2325/2125</i>	4	
EDUC 1300	Learning Frameworks <i>will transfer as ASU's USTD NENA (GS 1181)</i>	3		HIST 1302 (Core 060N)	United States History II <i>will transfer as ASU's HIST 1302</i>	3	
Hist 1301 (Core 060N)	United States History I <i>will transfer as ASU's HIST 1301</i>	3					
	TOTAL	17			TOTAL	14	
Tyler Junior College Fall Semester Year 2			sch	Tyler Junior College Spring Semester Year 2			sch
GOVT 2305 (Core 070N)	Federal Government <i>will transfer as ASU's POLS 2305</i>	3		GOVT 2306 (Core 070N)	Texas Government <i>will transfer as ASU's POLS 2306</i>	3	
Math 2415 ¹	Calculus III <i>will transfer as ASU's MATH CENA</i>	4		Math 2320 ³	Differential Equations <i>will transfer as ASU's MATH CENA</i>	3	
PHYS 2426 (Core 030N)	University Physics II <i>will transfer as ASU's PHYS 2326/2126</i>	4		SPCH 1315 (Area A 091)	Public Speaking <i>will transfer as ASU's COMM 1315</i>	3	
ENGL 2332 (Core 040N)	World Literature I <i>will transfer as ASU's ENGL SLIT²</i>	3		ECON 2301 (Core 080N)	Principles of Macroeconomics <i>will transfer as ASU's ECON 2301 (will also transfer as ASU's Social and Behavioral Sciences)</i>	3	
				Creative Arts (Core 050N)	<i>Will transfer as ASU's Creative Arts</i>	3	
	TOTAL	14			TOTAL	15	
						TOTAL DEGREE HOURS	60

¹ MATH 2415 will transfer in as MATH CENA. MATH 2415 is approved to substitute MATH 3415 for the purpose of this agreement with the Physics and Geoscience department. If a student changes their major, the substitution will not apply to their new degree plan.

² ENGL 2332 will transfer as ASU's English Sophomore Literature. This will meet the Language, Philosophy and Culture requirement.

³ MATH 2320 will transfer in as MATH CENA. MATH 2320 is approved to substitute MATH 3335 for the purpose of this agreement with the Physics and Geoscience department. If a student changes their major, the substitution will not apply to their new degree plan.



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ASU Fall Semester Year 1		sch	ASU Spring Semester Year 1		sch
PHYS 3301	Mathematical Methods for Scientists and Engineers	3	BIOL, GEOL, HSP + Lab		4
PHYS 3361	Modern Physics	3	MATH 3301	Linear Algebra	3
Physics (advanced)		3	Advanced Lab I		2
BIOL, GEOL, HSP + Lab		4	Physics (advanced)		3
CS 1314	Introduction to Programming and Problem Solving	3	Elective		3
	TOTAL	16		TOTAL	15
ASU Fall Semester Year 2		sch	ASU Spring Semester Year 2		sch
ENGL 3351	Advanced Technical Writing	3	Physics (advanced)		3
Physics (advanced)		3	Physics (advanced)		3
Physics (advanced)		3	Elective		3
Advanced Lab II		2	Elective		4
Elective		3	Physics (advanced)		3
	TOTAL	14		TOTAL	16
B.S. TOTAL DEGREE HOURS					121

Additional Notes

Please Note: This guide is for students to utilize as a reference of what courses they can take at each institution. It's possible for students to take these courses in a different sequence if they are coming in with prior credit or if there are changes to course offerings and degree plans. Therefore, it is encouraged for students to reach out to their academic advisor at each institution to discuss current course options and sequences.