



ASU Bachelor of Science in Mechanical Engineering  
Cisco College (Abilene Campus)  
2+2 Transfer Guide



<b>Cisco College (Abilene Campus) &amp; Angelo State University Transfer Plan for Associate of Science in General Studies with an emphasis in Engineering and Bachelor of Science in Mechanical Engineering (B.S.M.E.)</b>							
<b>Cisco College Fall Semester Year 1</b>			<b>sch</b>	<b>Cisco College Spring Semester Year 1</b>			<b>sch</b>
ENGL 1301	Composition I <i>will transfer as ASU's ENGL 1301</i>	3		ENGL 1302	Composition II <i>will transfer as ASU's ENGL 1302</i>	3	
MATH 2413	Calculus I <i>will transfer as ASU's MATH 2413</i>	4		HIST 1301	United States History I <i>will transfer as ASU's HIST 1301</i>	3	
CHEM 1411	General Chemistry w/Lab <i>will transfer as ASU's CHEM 1311 and CHEM 1111</i>	4		MATH 2414	Calc II w/Analytic Geometry <i>will transfer as ASU's MATH 2414</i>	4	
COSC 1336	Programming Fundamentals I <i>will transfer as ASU's CS 1336</i>	3		PHYS 2425	University Physics I <i>will transfer as ASU's PHYS 2325 and PHYS 2125</i>	4	
ENGR 1201	Introduction to Engineering <i>will transfer as ASU's ENGR 1201</i>	2		Language, Philosophy & Culture	<i>will transfer as ASU's Language, Philosophy &amp; Culture</i>	3	
EDUC 1100 <sup>1</sup>	Learning Framework <i>will transfer as ASU's USTD NENA</i>	1					
	<b>TOTAL</b>	<b>17</b>		<b>TOTAL</b>		<b>17</b>	
<b>Cisco College Fall Semester Year 2</b>			<b>sch</b>	<b>Cisco College Spring Semester Year 2</b>			<b>sch</b>
GOVT 2305	Federal Government <i>will transfer as ASU's POLS 2305</i>	3		HIST 1302	United States History II <i>will transfer as ASU's HIST 1302</i>	3	
PHYS 2426	University Physics II <i>will transfer as ASU's PHYS 2326 and PHYS 2126</i>	4		GOVT 2306	Texas Government <i>will transfer as ASU's POLS 2306</i>	3	
MATH 2415 <sup>2</sup>	Calculus III w/Analytic Geometry <i>will transfer as ASU's MATH NENA</i>	4		SPCH 1315	Public Speaking <i>will transfer as ASU's COMM 1315</i>	3	
ENGR 2301	Engineering Mechanics: Statics <i>will transfer as ASU's ENGR 2301</i>	3		ENGR 2302	Engineering Mechanics – Dynamics <i>will transfer as ASU's ENGR 2302</i>	3	
Creative Arts	<i>will transfer as ASU's Creative Arts</i>	3		ENGR 2308 <sup>3</sup>	Engineering Economics <i>will transfer as ASU's ENGR NENA</i>	3	
				Social & Behavioral Sciences*	<i>will transfer as ASU's Social &amp; Behavioral Sciences</i>	3	
	<b>TOTAL</b>	<b>17</b>		<b>TOTAL</b>		<b>18</b>	



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				<b>TOTAL DEGREE HOURS</b>	<b>69</b>
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<sup>1</sup> CC's EDUC 1100 will transfer as ASU's USTD NENA and is approved to substitute ASU's GS 1181 (Freshman Seminar Course) by the DLH Department of Engineering.

<sup>2</sup> MATH 2415 will transfer as MATH NENA. MATH 2415 is approved to substitute MATH 3415 for the purpose of this agreement with the DLH Department of Engineering. If a student changes their major, the substitution will not apply to their new degree plan.

<sup>3</sup> ENGR 2308 will transfer as ASU's ENGR NENA and is approved to substitute ASU's ENGR 2318 by the DLH Department of Engineering.

\*See core curriculum options.

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<b>ASU Fall Semester Year 1</b>		<b>sch</b>	<b>ASU Spring Semester Year 1</b>		<b>sch</b>
ENGR 2305	Electrical Circuits	3	ENGR 2332	Mechanics of Materials	3
MENG 2311	Engineering Thermodynamics	3	ENGR 3305	Probability & Risk	3
MATH 3324	Applied Mathematics for Engineering	3	MENG 3411	Heat Transfer	4
ENGR 1304	Engineering Graphics	3	ENGR 3404	Introduction to Fluid Mechanics	4
	TOTAL	<b>12</b>		TOTAL	<b>14</b>
<b>ASU Fall Semester Year 2</b>		<b>sch</b>	<b>ASU Spring Semester Year 2</b>		<b>sch</b>
ENGR 3331	Engineering Materials	3	ENGR 4201	Professional Engineering Practice	2
MENG 3441	Mechanisms and Dynamics of Machines	4	MENG 4380	Mechanical Engineering Senior Design II	3
MENG 4279	Mechanical Engineering Senior Design I	2	MENG 3351	Measurement and Instrumentation	3
MENG Design Elective		3	MENG elective	Introductory Elective (3352 or 3353)	3
MENG Design Elective		3	Mathematics /Science Elective		3
			MENG Technical Elective		3
	TOTAL	<b>15</b>		TOTAL	<b>17</b>
<b>B.S.M.E. Complete Total</b>					<b>127</b>



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Mechanical Engineering Fundamentals

- I. Overall GPA of at least 2.50.
- II. Completion of the sequence below with a GPA of at least 2.50:
  - Engineering 1201 – Introduction to Engineering
  - Engineering 1304 – Engineering Graphics
  - Engineering 2301\* - Engineering Mechanics – Statics
  - Engineering 2302\* - Engineering Mechanics – Dynamics
  - Engineering 2305 – Electrical Circuits
  - Mathematics 2413\* - Calculus I
  - Mathematics 2414\*- Calculus II
  - Physics 2325/2125\* - Fundamentals of Physics I
  - Physics 2326/2126\* - Fundamentals of Physics II
- III. Successful completion of the advancement exam.

\*A grade of “C” or better is required for these courses.

## Additional Notes

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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.