

Curriculum and Academic Rigor

CAREER CLUSTER - Architecture & Construction ENDORSEMENT - Business & Industry PATHWAY - Fluid Power Specialty

ACADEMIC AWARD - Level 1 Certificate

Year Grade Level	PEIMS Course #	High School Course Name	High School Credits	Course V Code	Semester	Texas Common Course Numbering System Number	College Course Name	College Hours	Taught by	Class Location
	03220107	English I	1	N/A	Y	None	None	0	ISD Staff	In-Person
	03100507	Algebra I	1	N/A	Y	None	None	0	ISD Staff	In-Person
	TBD	Science Credit	1	N/A	Y	None	None	0	ISD Staff	In-Person
	13011400	BIM I	1	V1	Y	None	None	0	ISD Staff	In-Person
	13004210	Principles of Architecture	1	V1	Y	None	None	0	ISD Staff	In-Person
	TBD	PE Credit	1	N/A	Y	None	None	0	ISD Staff	In-Person
	03440100	Spanish I	1	N/A	Y	None	None	0	ISD Staff	In-Person
	12701500	Project Based Research	1	V1	Y	STSU 0300	Student Development	0	ISD Staff	In-Person
Total Year 1 Grade 9			8					0		
	03220207	English II	1	N/A	Y	None	None	0	ISD Staff	
	03100707	Geometry	1	N/A	Y	None	None	0	ISD Staff	In-Person
	03220307	World History	1	N/A	Y	None	None	0	ISD Staff	In-Person
	TBD	Science Credit	1	N/A	Y	None	None	0	ISD Staff	In-Person
	03440200	Spanish II	1	N/A	Y	None	None	0	ISD Staff	In-Person
	13004600	Architectural Design I	0.5	V1	A	DFTG 1325	Blueprint Reading & Sketching	3	IHE Staff	In-Person
	13004220	Principles of Construction	1	V1	B	ELPT 1321	Intro to Electrical Safety & Tools	3	IHE Staff	In-Person
Total Year 2 Grade 10			6.5					6		
	03220307	English III	1	N/A	Y	None	None	0	ISD Staff	In-Person
	TBD	Science Credit	1	N/A	Y	None	None	0	ISD Staff	In-Person
	03340107	U.S. History	1	N/A	Y	None	None	0	ISD Staff	In-Person
	TBD	Fine Arts Credit	1	N/A	Y	None	None	0	ISD Staff	In-Person
	13009900	Professional Communications	0.5	V1	A	None	None	0	ISD Staff	In-Person
	13005600	Electrical Technology I	1	V1	A	ELPT 1411	Basic Electrical Theory	4	IHE Staff	In-Person
	13005600	Electrical Technology II	0.5	V1	B	HYDR 1409	Basic Fluid Power I	4	IHE Staff	In-Person
	12701410	Applied Mathematics for Technical Professions *	1	V1	B	TECM 1301	Industrial Mathematics	3	IHE Staff	In-Person
Total Year 3 Grade 11			7					11		
	13011600	Business English **	1	V1	Y	None	None	0	ISD Staff	In-Person
	13018000	Financial Mathematics *	1	V1	Y	None	None	0	ISD Staff	In-Person
	TBD	Science Credit	1	N/A	Y	None	None	0	ISD Staff	In-Person
	03330100	Government	0.5	N/A	A/B	None	None	0	ISD Staff	In-Person
	03310300	Economics	0.5	N/A	A/B	None	None	0	ISD Staff	In-Person
	13005600	Electrical Technology II	0.5	V1	A	HYDR 1415	Basic Fluid Power II	4	IHE Staff	In-Person
	13005600	Electrical Technology II	0.5	V1	A	ELPT 2305	Motors & Transformers	3	IHE Staff	In-Person
	13006200	Practicum in Construction Mgmt. I	1	V1	B	HYDR 1350	Hydraulics, Fabrication, & Repair (Capstone)	3	IHE Staff	In-Person
	13005600	Electrical Technology II	0.5	V1	B	ENTC 2310	Machine Design	3	IHE Staff	In-Person

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Year Grade Level	PEIMS Course #	High School Course Name	High School Credits	Course V Code	Semester	Texas Common Course Numbering System Number	College Course Name	College Hours	Taught by	Class Location
Total Year 4 Grade 12			6.5					13		
DEGREE PLAN			28					30		

NOTES:

- * This course satisfies a math credit requirement for students on the Foundation High School Program
- This course satisfies an English credit requirement for students on the Foundation High School Program. However, it **may not** satisfy the 4th high school English requirement for some Colleges/Universities, nor NAACP. **It is the student's responsibility to verify their own 4th English requirement, based on the post-secondary education plans.**
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- *** This course is not a requirement for the Angelina College program but is needed to fulfill the second 1/2 of the 4th English credit requirement for high school graduation