

Curriculum and Academic Rigor

CAREER CLUSTER - Manufacturing ENDORSEMENT - Business & Industry PATHWAY - Computer Numerical Control Machine Operator

ACADEMIC AWARD - Machine Tool Technology - Computer Numerical Control Machine Operator - Level I 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
	13032200	Principles of Manufacturing	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
	13032300	Welding I	2	V2	Y	None	None	0	ISD Staff	In-Person
	TBD	Elective	1	N/A	Y	None	None	0	ISD Staff	In-Person
Total Year 2 Grade 10			8					0		
	03220307	English III	1	N/A	Y	None	None	0	ISD Staff	In-Person
	TBD	Math 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	Science Credit	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
	13024300	Dollars & Sense	0.5	V1	A/B	None	None	0	ISD Staff	In-Person
	13009900	Professional Communications	0.5	V1	A/B	None	None	0	ISD Staff	In-Person
	13032400	Welding II	2	V2	Y	None	None	0	ISD Staff	In-Person
Total Year 3 Grade 11			8					0		
	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
	TBD	Science Credit	1	N/A	Y	None	None	0	ISD Staff	In-Person
	13011600	Business English **	1	V1	Y	None	None	0	ISD Staff	In-Person
	12701410	Applied Mathematics for Technical Professions *	1	V1	A	TECM 1301	Industrial Mathematics	3	IHE Staff	In-Person
	13033005	Extended Practicum Manufacturing I	1	V2	A	MCHN 1438	Basic Machine Shop I	4	IHE Staff	In-Person
	13033005	Extended Practicum Manufacturing I	1	V2	A	MCHN 2431	Operation of CNC Turning Centers	4	IHE Staff	In-Person
	13033015	Extended Practicum Manufacturing II	1	V2	B	MCHN 2434	Operatins of CNC Machining Centers	4	IHE Staff	In-Person

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	13033015	Extended Practicum in Manufacturing II	1	V1	B	DFTG 1325	Blueprint Reading & Sketching	3	IHE Staff	In-Person
Total Year 4 Grade 12			8						18	
DEGREE PLAN			32						18	

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