

T-STEM 4-Year Plan Advanced Manufacturing/Mechatronics Technology

ISD:	Duncanville ISD	College:	Mountain View College	Dallas College Catalog Year: 2020-2021
ECHS:	Duncanville High School	Career Path:	4YR Plan	
HS Plan:	Foundation with Endorsement or Distinguished	Pathway:	Advanced Manufacturing/Mechatronics Technology	
Endorsement:	STEM	Certificates:	Advanced Manufacturing/Mechatronics Technology Certificate	

HIGH SCHOOL COURSES			
9 th	10 th	11 th	12 th
English I	English II	English III	Advanced English Credit*
Algebra I or Geometry *	Geometry or Algebra II *	Advanced Math Credit*	Advanced Math Credit*
World Geography or AP Human Geography *	World History	U.S. History	U.S. Government
Biology	IPC, Chemistry or Physics	Advanced Science Credit*	Economics
Spanish I	Spanish II	Engineering Design and Presentation II Dual Credit	Practicum in STEM Dual Credit
Health/PE	Fine Arts		
Principles of Applied Engineering	Engineering Design and Presentation I		

COLLEGE COURSES							
			F	MFGT 1404 - Automated Manufacturing (4 credits)	F	MFGT 2459 - Industrial Automation II (4 credits)	
			S	MFGT 1406 - Mechanical Principles in Automated Manufacturing (4 credits)	S	ELPT 2419 - Programmable Logic Controllers I (4 credits)	
Y1	0 credit hrs	Y2	0 credit hrs	Y3	8 credit hrs	Y4	8 credit hrs
AS = 60 credit hours						16 credit hrs	
Total:							

* See counselor/advisor for placement.

F = fall, S = spring, U = summer