



South Texas College
Six-Year College Tech Prep Program Degree Plan
Associate of Applied Science Degree in Precision Manufacturing Technology
ROMA ISD



High School 4 Year Program					College Six-Semester Program					
Subject	9	10	11	12	Sem. 1	Sem. 2	Summer I	Sem. 3	Sem. 4	Summer II
	Full Yr	Full Yr	Full Yr	Full Yr						
English (4)	English I	English II	English III	English IV	*ENGL 1301 Composition					
Math (4)	Algebra I or Algebra II	Geometry or Algebra II	Algebra II or Pre-Calculus	Pre-Calculus or Calculus				*Math/Natural Sciences Elective (CHEM 1411 or CHEM 1412)		
Science (4)	Biology	Chemistry (**Chemistry AP for CHEM 1411 and CHEM 1412)	Physics	Advanced Science						
Humanities/Social Studies (4)	World Geography	World History	US History	Government and Economics				Social Behavioral Science Elective	*Humanities/Fine Arts Elective (MUSI 1306, or MUSI 1311, or MUSI 1312, OR SPAN 2313 OR SPAN 2315)	
Foreign Language (2 Rec., 3 DAP) / Fine Arts (1)	Foreign Language I	Foreign Language II	Foreign Language III (*Spanish III AP for SPAN 2313 and SPAN 2315)	(*Music Appreciation for MUSI 1306, Music Theory for MUSI 1311)					SPCH 1311 Intro. To Speech Communications	
PE (1.5) /Health (.5) /Speech (.5)	PE	PE & Health	Speech							
Technology Applications (1)	BCIS I									
Career Electives (3.5 Rec. 2.5 DAP)			***Machine Shop I (125573T1)	Machine Shop II (125573T2)	***MCHN 1438 Machining I	MCHN 1452 Intermediate Machining I DFTG 1313 Drafting for Specific Occupations	MCHN 1382 CAPSTONE: Cooperative Education I	INMT 1445 Computer Numerical Controls	MCHN 2547 Specialized Tools and Fixtures	
Additional Tech Prep and CTE Courses					DFTG 1325 Blueprint Reading and Sketching	PLTC 1445 Plastic Processes I		WLDG 1337 Intro. To Metallurgy for Precision Manufacturing	MCHN 2345 Advanced Machining II or MCHN 1293 Cost Estimating or PLTC 2346 Plastic Processes II or DFTG 2402 Machine Drafting or QCTC 1303 Quality Control or INMT 2334 Computerized Numerical Control Programming	
Additional Tech Prep and CTE Courses	Diesel Mechanics I (12579501)	***Agricultural Power and Machinery (1193442T) or Diesel Mechanics II (125795T2)			MCHN 1343 Machining Mathematics	***DEM R 1301 Shop Safety and Procedures		MCHN 2341 Advanced Machining I		MCHN 2382 CAPSTONE: Cooperative Education I
EXIT POINTS							Certificate in Precision Manufacturing Technology			AAS Degree-Precision Manufacturing Technology
LEGEND:					ATC Crosswalk with STC Courses					
* This course is an academic course available through STC dual enrollment.					High School Course					
** This course is a technical course available through STC dual enrollment.					STC Credit Granted					
***This course is eligible for ATC credit with STC if taught by a certified High School Instructor.					Machine Shop I (125573T1)					
****This course is a technical course available through ATC credit or Dual Enrollment with STC.					Agricultural Power and Machinery (1193442T)					
NOTE: This degree transfers in total to the Bachelor of Applied Technology in Technology Management at South Texas College.					MCHN 1438 - Machining I DEM R 1301 Shop Safety and Procedures					