



South Texas College
Six-Year College Tech Prep Program Degree Plan
Associate of Applied Science Degree in Precision Manufacturing Technology
EDCOUCH-ELSA 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 GT for ENGL 1301	*ENGL 1301 Composition					
Math (4)	Algebra I or Algebra II	Geometry or Algebra II	Algebra II or Pre-Calculus (*Pre-Calculus Pre AP for MATH 1414)	Pre-Calculus or Calculus (*Calculus AP for MATH 2412)				*Math/Natural Sciences Elective (MATH 1414 or MATH 2412)		
Science (4)	Biology	Chemistry	Physics	Advanced Science						
Humanities/Social Studies (4)	World Geography	World History	US History (*History AP for HIST 1301 and HIST 1302)	Government and *Economics (Economics AP for ECON 2301)				*Social Behavioral Science Elective (ECON 2301 or PSYC 2301 or SOCI 1301 or HIST 1301 or HIST 1302)	*Humanities/Fine Arts Elective (ARTS 1301)	
Foreign Language (2 Rec., 3 DAP) / Fine Arts (1)	Foreign Language I	Foreign Language II	Foreign Language II	Fine Arts Elective (*Art Appreciation for ARTS 1301)					*SPCH 1311 Intro. To Speech Communications	
PE (1.5) /Health (.5) /Speech (.5)	PE	PE & Health	*Speech for SPCH 1311	*Psychology for PSYC 2301 or Sociology for SOCI 1301						
Technology Applications (1)	BCIS I									
Tech Prep and CTE Courses		Agricultural Mechanics I	Agricultural Metal Fabrication Technology	Welding I	***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	Diesel Mechanics I (12579501)	***Agricultural Power and Machinery (1193442T) or Diesel Mechanics II (125795T2)	***Machine Shop I (125573T1)	Machine Shop II (125573T2)	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 OCTC 1303 Quality Control or INMT 2334 Computerized Numerical Control Programming	
Additional Tech Prep and CTE Courses					MCHN 1343 Machining Mathematics	***DEMR 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.										