



Weslaco CTE Early College
FOUR YEAR ACHIEVEMENT PLAN
 Associate of Applied Science in Advance Manufacturing Technology



HS Requirements	9th Grade	9th DE	10th Grade	10th DE	11th Grade	11th DE	12th Grade	12 DE
English (4)	English I PAP		English II PAP		English III PAP	or ENGL 1301 ENGL 1302	English IV PAP	
Math (4)	Alg. I or Geom PAP		Geom PAP or ALG 2 PAP		ALG 2 PAP or Pre Cal	or MATH 1414	Pre Cal	or MATH 1414
SS(3)	Wld. Hist PAP		SP. TOPICS		US Hist	or HIST 1301 HIST 1302	Govt Econ	or GOVT 2305
Science (4)	Bio PAP		Chemistry PAP		PHYS PAP		Env. Systems	or BIOL 1408 BIOL 1409
LOTE (2)	Span I or II PAP		Span II PAP					
Fine Arts (1)	Floral Design	or ART 1301						
PE (1)	PE or ATHL							
Speech (.5)		or SPCH 1311						
Electives (5)	BIM	DRFT 1325		DRFT 1326		MCHN 1320		MCHN 1319
	PBMF	MCHN 1343		MCHN1352		MCHN 1338		MCHN 2438
	HEALTH			MCHN 2303 DRFT 1313		MCHN 2435 MCHN 2341		MCHN 2382 MCHN 2447

STC COURSE	COURSE NAME
ART 1301	ART APPR.
SPCH 1311	INTRO TO SPEECH
DRFT 1325	BLUEPRINT READING AND SKETCHING
MCHN 1343	MACHINE SHOP MATHEMATICS
DRFT1326	INTRODUCTION TO COMPUTER AIDED MANUFACTURING
MCHN1352	INTERMEDIATE MACHINING I
ENGL 1301	COMPOSITION
ENGL 1302	COMP II-RHETORIC
HIST 1301	US HISOTRY 1
HIST 1302	US HISTORY 2
MCHN 2303	FUNDAMENTALS OF COMPUTER NUMERICAL CONTOLED MACHINE CONTROLS
DRFT 1313	DRAFTING FOR SPECIFIC OCCUPATIONS
MCHN 1320	PRECISION TOOLS AND MEASUREMENTS
MCHN 1338	BASIC MACHINE SHOPS I
GOVT 2305	FEDERAL GOVT
GOVT 2306	TEXAS GOVT
BIOL 1406	GENERAL BIOLOGY 1
BIOL 1407	GENERAL BIOLOGY 2
MATH 1414	COLLEGE ALGEBRA
MCHN 2435	ADVANCED CNC MACHINING
MCHN 2341	ADVANCE MACHINING I
MCHN 1319	MANUFACTURING MATERIAL AND PROCESSES
MCHN 2438	ADVANCED COMPUTER AIDED MANUFACTURING
MCHN 2382	CAPSTONE: TOOL & DIE TECHNOLOGY
MCHN 2447	SPECIALIZED TOOLS AND FIXTURES



Weslaco CTE Early College
FOUR YEAR ACHIEVEMENT PLAN
 Associate of Applied Science in Diesel Technology



HS Requirements	9th Grade	9th DE	10th Grade	10th DE	11th Grade	11th DE	12th Grade	12 DE
English (4)	English I PAP		English II PAP		English III PAP	or ENGL 1301 ENGL 1302	English IV PAP	
Math (4)	Alg. I or Geom PAP		Geom PAP or ALG 2 PAP		ALG 2 PAP or Pre Cal	or MATH 1414	Pre Cal	or MATH 1414
SS(3)	Wld. Hist PAP		SP. TOPICS		US Hist	or HIST 1301 HIST 1302	Govt Econ	or GOVT 2305
Science (4)	Bio PAP		Chemistry PAP		PHYS PAP		Env. Systems	or BIOL 1408 BIOL 1409
LOTE (2)	Span I or II PAP		Span II PAP					
Fine Arts (1)	Floral Design	or ART 1301						
PE (1)	PE or ATHL							
Speech (.5)		SPCH 1311						
Electives (5)	BIM PBMF HEALTH	DEMR 1401 DEMR 1229		DEMR 1405 DEMR 1410 DEMR 1442		DEMR 1417 DEMR 1323 DEMR 1416 DEMR 2432		WLDG 1428 DEMR 1230 DEMR 1303 DEMR 1266

STC COURSE	COURSE NAME
ART 1301	ART APPR.
SPCH 1311	INTRO TO SPEECH
DEMR 1401	DIESEL SHOP SAFETY AND PROCEDURES
DEMR 1229	PREVENTATIVE MAINTENANCE
DEMR 1405	BASIC ELETRICAL SYSTEMS
DEMR 1410	DIESEL ENGINE TESTING & REPAIR I
ENGL 1301	COMPOSITION
ENGL 1302	COMP II-RHETORIC
HIST 1301	US HISOTRY 1
HIST 1302	US HISTORY 2
DEMR 1442	POWERTRAIN APPLICATONS I
DEMR 1417	BASIC BRAKE SYSTEMS
DEMR 1323	HEATING VENTILATION AND AIR CONDITIONING TROUBLESHOOTING AND REPAIR
GOVT 2305	FEDERAL GOVT
GOVT 2306	TEXAS GOVT
BIOL 1406	GENERAL BIOLOGY 1
BIOL 1407	GENERAL BIOLOGY 2
MATH 1414	COLLEGE ALGEBRA
DEMR 1416	BASIC HYDRAULICS
DEMR 2432	ELECTRONIC CONTROLS
WLDG 1428	INTRO TO SHILEDDED METAL ARC WELDING
DEMR 1230	STEERING & SUSPENSION
DEMR 1303	BASIC DRIVING SKILLS
DEMR 1266	CAPSTONE PRACTICUM



Weslaco CTE Early College
FOUR YEAR ACHIEVEMENT PLAN
 Associate of Applied Science in Welding



HS Requirements	9th Grade	9th DE	10th Grade	10th DE	11th Grade	11th DE	12th Grade	12 DE
English (4)	English I PAP		English II PAP		English III PAP	or ENGL 1301 ENGL 1302	English IV PAP	
Math (4)	Alg. I or Geom PAP		Geom PAP or ALG 2 PAP		ALG 2 PAP or Pre Cal	or MATH 1414	Pre Cal	or MATH 1414
SS(3)	Wld. Hist PAP		SP. TOPICS		US Hist	or HIST 1301 HIST 1302	Govt Econ	or GOVT 2305
Science (4)	Bio PAP		Chemistry PAP		PHYS PAP		Env. Systems	or BIOL 1408 BIOL 1409
LOTE (2)	Span I or II PAP		Span II PAP					
Fine Arts (1)	Floral Design	or ART 1301						
PE (1)	PE or ATHL							
Speech (.5)		SPCH 1311						
Electives (5)	BIM	WLDG 1313		WLDG 1430		WLDG 1417		WLDG 2413
	PBMF	MCHN 1343		WLDG 1428		WLDG 1457		WLDG 2406
	HEALTH					WLDG 1312 WLDG 1434		WLDG 2435 WLDG 2451

STC COURSE	COURSE NAME
ART 1301	ART APPR.
SPCH 1311	INTRO TO SPEECH
WLDG 1313	INTRO TO BLUE PRINT READING FOR WELDERS
MCHN 1343	MACHINESHOP MATHEMATICS
WLDG 1430	INTRODUCTION TO GAS METAL ARC WELDING
WLDG 1428	INTRODUCTION TO SHILED METAL ARC WELDING
ENGL 1301	COMPOSITION
ENGL 1302	COMP II-RHETORIC
HIST 1301	US HISOTRY 1
HIST 1302	US HISTORY 2
WLDG 1457	INTERMEDIATE SHILED METAL ARC WELDING
WLDG 1312	INTRODUCTION TO FLUX CORED ARC WELDING
WLDG 1434	INTRODUCTION TO GAS TUNGSTEN ARC WELDING
WLDG 1417	INTRODUCTION TO LAYOUT AND FABRICATION
GOVT 2305	FEDERAL GOVT
GOVT 2306	TEXAS GOVT
BIOL 1406	GENERAL BIOLOGY 1
BIOL 1407	GENERAL BIOLOGY 2
MATH 1414	COLLEGE ALGEBRA
WLDG 2406	INTERMEDIATE PIPE WELDING
WLDG 2435	ADVANCE LAYOUT AND FABRICATION
WLDG 2451	ADVANCE GAS TUNGSTEN ARC WELDING
WLDG 2413	CAPSTONE INTERMEDIATE WELDING USING MULTIPLE PROCESSES



Weslaco CTE Early College
FOUR YEAR ACHIEVEMENT PLAN
 Associate of Applied Science Fire Science



HS Requirements	9th Grade	9th DE	10th Grade	10th DE	11th Grade	11th DE	12th Grade	12 DE
English (4)	English I PAP		English II PAP		English III PAP	or ENGL 1301 ENGL 1302	English IV PAP	
Math (4)	Alg. I or Geom PAP		Geom PAP or ALG 2 PAP		ALG 2 PAP or Pre Cal	or MATH 1414	Pre Cal	or MATH 1414
SS(3)	Wld. Hist PAP		SP. TOPICS		US Hist	or HIST 1301 HIST 1302	Govt Econ	or GOVT 2305
Science (4)	Bio PAP		Chemistry PAP		PHYS PAP		Env. Systems	or BIOL 1408 BIOL 1409
LOTE (2)	Span I or II PAP		Span II PAP					
Fine Arts (1)	Floral Design	or ART 1301						
PE (1)	PE or ATHL							
Speech (.5)		SPCH 1311						
Electives (5)	BIM	FIRT 1301		FIRT 1309		FIRS 1301		FIRS 1203
	PBMF	FIRT 1353		FIRT 1333		FIRS 1407		FIRS 1423
	HEALTH			FIRT 1427 FIRT 1338		FIRS 1313 FIRS 1319		FIRS 1329 FIRS 1433

STC COURSE	COURSE NAME
ART 1301	ART APPR.
SPCH 1311	INTRO TO SPEECH
FIRT 1301	FUNDAMENTALS OF FIRE PROTECTION
FIRT 1353	LEGAL ASPECTS OF FIRE PROTECTION
FIRT 1309	FIRE ADMINISTRATION I
FIRT 1333	FIRE CHEMISTRY I
ENGL 1301	COMPOSITION
ENGL 1302	COMP II-RHETORIC
HIST 1301	US HISOTRY 1
HIST 1302	US HISTORY 2
FIRT 1427	BUILDING CONSTRUCTION IN THE FIRE SCIENCE
FIRT 1338	FIRE PROTECTION SYSTEMS
FIRS 1301	FIREFIGHTER CERTIFICATION I
FIRS 1407	FIRERFIGHTER CERTIFICATION II
GOVT 2305	FEDERAL GOVT
GOVT 2306	TEXAS GOVT
BIOL 1406	GENERAL BIOLOGY 1
BIOL 1407	GENERAL BIOLOGY 2
MATH 1414	COLLEGE ALGEBRA
FIRS 1313	FIREFIGHTER CERTIFICATION III
FIRS 1319	FIREFIGHTER CERTIFICATION IV
FIRS 1203	FIREFIGHTER AGILITY/FITNESS PREPARATION
FIRS 1423	FIREFIGHTER CERTIFICATION V
FIRS 1329	FIREFIGHTER CERTIFICATION VI
FIRS 1433	FIREFIGHTER CERTIFICATION VII



Weslaco CTE Early College
FOUR YEAR ACHIEVEMENT PLAN
Emergency Medical Technology EMT Basic Certificate



HS Requirements	9th Grade	9th DE	10th Grade	10th DE	11th Grade	11th DE	12th Grade	12 DE
English (4)	English I PAP		English II PAP		English III PAP	or ENGL 1301 ENGL 1302	English IV PAP	
Math (4)	Alg. I or Geom PAP		Geom PAP or ALG 2 PAP		ALG 2 PAP or Pre Cal	or MATH 1414	Pre Cal	or MATH 1414
SS(3)	Wld. Hist PAP		SP. TOPICS		US Hist	or HIST 1301 HIST 1302	Govt Econ	or GOVT 2305
Science (4)	Bio PAP		Chemistry PAP		PHYS PAP		Env. Systems	or BIOL 1408 BIOL 1409
LOTE (2)	Span I or II PAP		Span II PAP					
Fine Arts (1)	Floral Design	or ART 1301						
PE (1)	PE or ATHL							
Speech (.5)		SPCH 1311						
Electives (5)	BIM PBMF HEALTH					EMSP 1501 EMSP 1208 EMSP 1371 EMSP 1472		EMSP 1160 EMSP 1166

STC COURSE	COURSE NAME
ART 1301	ART APPR.
SPCH 1311	INTRO TO SPEECH
EMSP 1501	EMERGENCY MEDICAL TECHNICIAN
EMSP 1208	EMERGENGY VEHICLEOPERATIONS
EMSP 1371	EMS DOCUMENTATION
EMSP 1472	EMERGENT ISSUES IN EMT
ENGL 1301	COMPOSITION
ENGL 1302	COMP II-RHETORIC
HIST 1301	US HISOTRY 1
HIST 1302	US HISTORY 2
EMSP 1160	EMT BASIC CLINICAL
EMSP 1166	EMT BASIC PRACTICUM
GOVT 2305	FEDERAL GOVT
GOVT 2306	TEXAS GOVT
BIOL 1406	GENERAL BIOLOGY 1
BIOL 1407	GENERAL BIOLOGY 2
MATH 1414	COLLEGE ALGEBRA