

APPENDIX A

BC Course	BC Credit	BC Course Title	AHS Course Title	Measure/ Weighted GPA	AHS Credit
ARTS 1301	3	Art Appreciation	Art I	Y	1
AUMT 1405 AUMT 1410	4 4	Introduction to Automotive Technology Automotive Brake Systems	Automotive Technology I (Automotive Chassis Track – SOPH Yr)		2*
AUMT 1407 AUMT 1416	4 4	Automotive Electrical Systems Automotive Suspension & Steering Systems	Automotive Technology II (Automotive Chassis Track – JR Yr)		3*
AUMT 1380 AUMT 1381	3 3	Cooperative Education I – Automotive Technician Cooperative Education I – Automotive Technician	Practicum in Transportation Systems (Automotive Chassis Track – SR Yr)		2*
BIOL 1306/1106 BIOL 1307/1107 OR BIOL 2301/2101 BIOL 2302/2102	4 4 4 4	General Biology I / Lab General Biology II / Lab OR Human Anatomy & Physiology I/Lab Human Anatomy & Physiology II/Lab	AP Biology	Y	1*
CHEM 1311/1111 CHEM 1312/1112	4 4	General Chemistry I / Lab # *** General Chemistry II / Lab ***	AP Chemistry	Y	1*
CHEM 1305/1105 CTEC 1401/1401L	4 4	Introductory Chemistry with Lab # *** Technical Physics with Lab ***	AP Chemistry	Y	1*
CNBT 1301	3	Introduction to Construction Industry	Principles of Manufacturing		1
CNBT 1300	3	Residential and Light Commercial Blueprint Reading	Architectural Design I		1
DRAM 1330	3	Stagecraft	Technical Theater I		1
DRAM 1310 DRAM 1351	3 3	Intro to Theater Beginning Acting	Theater Arts I	Y	1*
DFTG 1305 DFTG 1309	3 3	Technical Drafting Basic Computer Aided Drafting	Architectural Design II		2
ECON 2301	3	Principles of Economics I ***	Economics	Y	½
ELPT 1319 ELPT 1329 OR ELPT 1319 ELPT 1345	3 3 3 3	Fundamentals of Electricity I (NCCER) & Residential Wiring OR Fundamentals of Electricity I (NCCER) & Commercial Wiring	Electrical Technology I		1*
ELPT 1357 ELPT 1345 OR ELPT 1357 ELPT 1329	3 3 3 3	Industrial Wiring & Residential Wiring OR Industrial Wiring & Commercial Wiring (NCCER)	Electrician Technology II		2*
ENGL 1301 ENGL 1302	3 3	Composition & Rhetoric I Composition & Rhetoric II	English IV	Y	1*
ENGL 1301 HUMA 1301	3 3	Composition & Rhetoric I Introduction to Humanities	English IV	Y	1*
ENGL 1302 HUMA 1301	3 3	Composition & Rhetoric II Introduction to Humanities	English IV	Y	1*
GEOG 1303	3	World Regional Geography	World Geography Studies	Y	1
GOVT 2305	3	Federal Government	Government	Y	1/2
HART 1410 HART 1401	4 4	Shop Practice & Tools (NCCER) Basic Electricity for HVAC (NCCER)	Heating, Air Conditioning & Refrigeration Technology I		1*
HART 1407 HART 1403	4 4	Refrigeration Principles (NCCER) A/C Control Principles (NCCER)	HVAC & Refrigeration Tech. II		2*
HIST 1301 HIST 1302	3 3	US History to 1877 US History 1877 to Present	US History	Y	1*
HITT 1305	3	Medical Terminology	Medical Terminology		1
ITSC 1305	3	PC Operating Systems	Principles of Information Technology		1

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ITNW 1325	3	Fundamentals of Network Tech	Networking		1
ITSC 1301 or BCIS 1405	3 4	Introduction to Computers or Business Computer Applications	Business Information Management (BIM)		1
ITSE 1313 ITSE 1332	3 3	Internet/Web Page Development Intro to Visual Basic Programming	Web Technologies		1
MATH 1414 MATH 2412	4 4	College Algebra for Calculus Pre Calculus	Pre-Calculus PEIMS 03101100	Y	1
MATH 1314 MATH 1350 OR MATH 1325 MATH 1324	3 3 3 3	College Algebra Fundamentals of Math I Business Calculus Finite Mathematics	Independent Study in Math I PEIMS: 03102500 (first time taken)	Y	1
MATH 1332	3	Quantitative Reasoning	Advanced Quantitative Reasoning PEIMS 03102510	Y	1
MATH 1342	3	Statistics	Statistics PEIMS 03102530	Y	1
MATH 2412 MATH 2413	4 4	Pre-Calculus @ *** Calculus I @ ***	Calculus I	Y	1*
MATH 2413 MATH 2414	3 3	Calculus I @*** Calculus II @***	Independent Study in Math	Y	1*
MCHN 1325 MCHN 1329 OR MCHN 1338 MCHN 1341	3 3 3 3	Millwright I Millwright II OR Basic Machine Shop I Basic Machine Shop II	Precision Metal Manufacturing I		2*
MCHN 2305 MCHN 2307 OR MCHN 1352 MCHN 1354	3 3 3 3	Millwright III Millwright IV OR Intermediate Machining I Intermediate Machining II	Precision Metal Manufacturing II Precision Metal Manufacturing II LAB		2* 1
PHYS 1301/1101 PHYS 1302/1102	3 3	College Physics I / Lab *** College Physics II / Lab ***	AP Physics	Y	1*
POFT 1329	3	Beginning Keyboarding	Touch System Data Entry		1/2
PSYC 1300	3	Learning Frameworks	College Readiness And Study Skills (03270100)	Y	½
PSYC 2301	3	General Psychology	Psychology	Y	½
PTAC 1302	3	Introduction to Process Technology	Intro to Process Tech PEIMS N1300262 (Process Tech IA)		1
PTAC 1410	4	Process Technology I - Equipment	Oil & Gas Production Systems I PEIMS 13001250 (Process Tech IB)		1
PTAC 1432	4	Process Instrumentation	Oil & Gas Production Systems II PEIMS 13001260 (Process Tech IIA)		1
PTAC 1308	3	Safety, Health, & Environment	Petrochemical Safety, Health & Environment PEIMS N1300264 (Process Tech IIB)		1
INTC 1401	4	Principles of Industrial Measurements I	Manufacturing Engineering Technology I PEIMS 13032900 (Instrumentation Pathway – S1)		1
PTAC 1410		Process Technology 1- Equipment	Oil & Gas Production Systems I PEIMS 13001250 (Instrumentation Pathway – S2)		1
INTC 1441	4	Principles of Automatic Control	Digital Electronics PEIMS 13037600 (Instrumentation Pathway – S3)		1
INTC 1315	3	Final Control Elements	AC/DC Electronics PEIMS 13036800 (Instrumentation Pathway – S4)		1
SOCI 1301	3	Introduction to Sociology	Sociology	Y	½
SPAN 1411	4	Beginning Spanish I	Spanish I	Y	1
SPAN 1412	4	Beginning Spanish II	Spanish II	Y	1
SPAN 2311	3	Intermediate Spanish I	Spanish III	Y	1

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SPAN 2312	3	Intermediate Spanish II	Spanish IV	Y	1
SPCH 1315	3	Fundamentals of Speech	Professional Communications	Y	½
WLDG 1421 WLDG 1428	4 4	Welding Fundamentals Intro to Intro to Shielded Metal Arc Welding+	Welding I		2
WLDG 2443 WLDG 2406 Or WLDG 2447 WLDG 2451	4 4 4 4	Advanced Shielded Metal Arc Welding(SMAW) Intermediate Pipe Welding Advanced Gas Metal Arc Welding Advanced Gas Tungsten Arc Wldg	Welding II Welding II Lab		2 1

- # indicates that a prerequisite is required to take this course. "C" or better in high school chemistry or CHEM 1305 – Introductory Chemistry
- * Two college courses must be taken to receive high school credit.
- @ Prerequisite: College Algebra
- *** Students who have not demonstrated college readiness as defined by Texas Administrative Code (TAC) 4.85b will need to score 350 or higher on the TSI math test to take Economics, Math or Physics.
- + Technical Courses not applicable toward academic electives in an A.A/A.S. degree.