

Combined Curriculum for AAS at SPC and BSME at TTU

Fall Year 1		Spring Year 1	
AUMT 1301 Intro and Theory of Auto Technology**	3	AUMT 1306 Auto Engine Removal and Installation	3
AUMT 1407 Auto Electrical Systems	4	AUMT 1419 Auto Engine Repair	4
AUMT 1316 Auto Suspension and Steering Systems**	3	AUMT 1445 Auto Heating & AC	4
AUMT 1410 Auto Brake Systems**	4	ENGL 1301 Composition I	3
MATH 2413 Calculus I	4	MATH 2414 Calculus II (Approved Elective I)	4
TOTAL	18	TOTAL	18
Summer I Year 1		Summer II Year 1	
CHEM 1411 General Chemistry I	4	ENGR 1304 Engineering Graphics	3
TOTAL	4	TOTAL	3
Fall Year 2		Spring Year 2	
AUMT 2421 Auto Electrical Lighting and Accessories	4	AUMT 2425 Auto Trans & Transaxle	4
AUMT 2413 Man Drive Train & Axles	4	AUMT 2434 Auto Engine Performance Analysis II	4
AUMT 2417 Auto Engine Performance I	4	AUMT 2328 Automotive Service	3
SPCH 1321 Business and Professional Speech	3	ENGL 1302 Composition II	3
Humanities/Fine Arts Elective (Approved Elective II)	3	Social/Behavioral Science Elective	3
TOTAL	18	TOTAL	17
Summer I Year 2		Summer II Year 2	
PHYS 2425 Principles of Physics I	4	PHYS 2426 Principles of Physics II	4
TOTAL	4	TOTAL	4
Fall Year 3		Spring Year 3	
MATH 2350 Calculus III	3	MATH 3350 Higher Math. Eng I	3
M E 1315 Intro to Mech Eng	3	M E 2322 Eng. Thermo. I	3
M E 2311 Materials Science	3	M E 3328 Materials & Mech. Lab	3
M E 2364 Eng. Mechanics I	3	M E 3331 Dynamics	3
E E 3301 Fund. of E E	3	I E 3301 Eng Econ Anal	3
HIST 2300 History of US since 1876	3	Elective (History)	3
TOTAL	18	TOTAL	18
Fall Year 4		Spring Year 4	
M E 3464 Eng Mechanics II	4	M E 3322 Eng Thermo. II	3
M E 3164 Eng Mech. II Lab.	1	M E 3365 Intro. to Design	3
M E 3315 Computer-Aided Analysis	3	M E 3165 Intro. to Design (Lab.)	1
M E 3370 Fluid Mechanics	3	M E 3371 Heat Transfer	3
POLS 1301 Amer. Govt., Org.	3	Elective (Political Science)	3
TOTAL	14	TOTAL	13
Fall Year 5		Spring Year 5	
M E 4370, Eng Design I	3	M E 4371, Eng Design II	3
M E 4351, Thermal-Fluid Sys. Lab	3	M E 4334, Cont. Dynamic Sys.	3
M E 3433 Systems & Vibrations	4	MATH 3342, Math Stat Eng Sci	3
M E 4120 Senior Seminar	3	Elective (Math or Science)	3
Elective (Multicultural)†	3	Elective (Visual/Performing Arts)	3
TOTAL	16	TOTAL	15

* Indicates dual Credit courses

** Indicates Tech Prep articulated courses

*** Indicates Tech Prep articulation credit from NATEF certified high schools

Summer courses can be replaced by equivalent TTU courses

Blue SPC courses that satisfy AAS degree requirements

Green SPC courses that satisfy part of BSME degree requirements

Black TTU courses that complete BSME degree requirements