



AAS in Automotive Service Technology to
Bachelor of Applied Arts and Sciences in
Manufacturing and Industrial Management
Safety Management Concentration^T



Guided Pathway
2019-2020 Catalog

First Year - Tarrant County College District

FIRST SEMESTER	SECOND SEMESTER
AUMT 1405 – Introduction to Automotive Technology	AUMT 2417 – Automotive Engine Performance Analysis I
AUMT 1407 – Automotive Electrical Systems	AUMT2434 – Automotive Engine Performance Analysis II
AUMT 1410 – Automotive Brake Systems	MATH 1332 (020) – Contemporary Math (Quantitative Reason) ^{C*}
ARTS 1301 (050) – Art Appreciation ^{C*}	KINE 1164 (090) – Intro to Physical Fitness & Wellness ^{C*}

Total Semester Hours: 18

Total Semester Hours: 14

Second Year – Tarrant County College District

It's best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
AUMT 2421 – Automotive Electrical Diagnosis and Repair	AUMT 1419 – Automotive Engine Repair
GOVT 2305 (070) – Federal Government (Federal Const & Top) ^{C*}	SPCH 1321 (010) – Business and Professional Communication ^{C*}
ENGL 1301 (010) – Composition I ^C	AUMT 1445 – Automotive Climate Control Systems (Capstone)
AUMT 2413 – Automotive Drive Train and Axles	AUMT 1416 – Automotive Suspension & Steering Systems
AUMT 2425 – Auto Automatic Transmission/Transaxle	

Total Semester Hours: 14

Total Semester Hours: 14

AAS: Automotive Service Technology

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

These courses may be completed at TCC (if offered) or TSU-Stephenville Campus

^{C*} Life and Physical Science Core Elective (4 credits) (030)	^{C*} Life and Physical Science Core Elective (4 credits) (030)
^C HIST 1301 – United States History I	^C HIST1302 – United States History II
MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods	^{C*} Language, Philosophy and Culture Core Elective (040)
^C GOVT 2306 – Texas Government	^C ENGL 1302 – Composition II
	^{C*} Social and Behavioral Science Core Elective (080)

Total Semester Hours: 29

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
Advanced ENGT Elective	ENGT 4336 Production Planning
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
ENGT 3375 Continuous Improvement	ENGT 4346 Manufacturing Management
ENGT 3386 Quality Management	Advanced ENGT Elective

Total Semester Hours: 12

Total Semester Hours: 12

Fourth Year – Tarleton State University

FIRST SEMESTER
ENGT 4347 Metrics and Measurement (Fall Only)
Advanced Elective
Advanced Elective
Advanced Elective
Advanced Elective

Total Semester Hours: 15

Total Degree Hours: 128

This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.

Part-time students may also follow this sequence. Developmental coursework may be required.

^{*} You may take a different course to meet this requirement. A specific list is available from your advisor.

^C This course counts for the Core Curriculum at any public college or university in Texas.

⁽⁾ Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

^T Degree availability varies by campus; consult www.tarleton.edu for more information.

For questions about the University portion of this guided pathway, contact Engineering Technology Department at (254)968-9010 or Engineering.Technology@tarleton.edu.