



**AAS in Automotive Technology to**  
 Bachelor of Applied Arts and Sciences in  
 Manufacturing and Industrial Management  
 Industrial Management Concentration<sup>T</sup>



**Guided Pathway**  
**2019-2020 Catalog**

**First Year – Tyler Junior College**

FIRST SEMESTER		SECOND SEMESTER	
<b>AUMT 1305</b> – Intro. to Automotive Technology		<b>AUMT 2321</b> – Automotive Electrical Diagnosis and Repair	
<b>AUMT 1407</b> – Automotive Electrical Systems		<b>AUMT 2417</b> – Auto. Engine Performance Analysis I	
<b>AUMT 1419</b> – Automotive Engine Repair		<b>AUMT 2434</b> – Auto. Eng. Performance Analysis II	
<b>ENGL 1301</b> – Composition I (010)		<b>MATH 1314</b> – College Algebra * (020)	
Total semester hours: 14		Total semester hours: 14	

SUMMER I	
<b>AUMT 1345</b> – Automotive Climate Control Systems	
Total semester hours: 3	

**Second Year – Tyler Junior College**

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

FIRST SEMESTER		SECOND SEMESTER	
<b>AUMT 1310</b> – Automotive Brake Systems		<b>AUMT 2413</b> – Automotive Drive Train and Axles	
<b>AUMT 1257</b> – Automotive Brakes Systems Theory		<b>AUMT 2425</b> – Automotive Automatic Transmission and Transaxle	
<b>AUMT 1416</b> – Automotive Suspension and Steering Systems		<b>SPCH 1321</b> – Business & Professional Communication * (010)	
<b>PHIL 2306</b> – Introduction to Ethics (040)		<b>SOCI 1301</b> – Introduction to Sociology * (080)	
Total semester hours: 12		Total semester hours: 14	

SUMMER II	
<b>AUMT 2357</b> – Automotive Alternative Fuels	
Total semester hours: 3	

**AAS: Automotive 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 taken at Tyler Junior College (if offered) or TSU-Stephenville Campus			
<b>ENGL 1302</b> – Composition II		<b>MATH 1316</b> – Plane Trigonometry or	<b>MATH 1342</b> – Elementary Statistical Methods
<b>C* Life and Physical Science Core Elective (4 credits)</b>		<b>C* Life and Physical Science Core Elective (4 credits)</b>	
<b>HIST 1301</b> – United States History I		<b>HIST 1302</b> – United States History II	
<b>GOVT 2305</b> – Federal Government		<b>GOVT 2306</b> – Texas Government	
<b>C* Creative Arts Core Elective</b>		<b>C* Any Core Course (1 credit minimum)</b>	
Total Semester Hours: 16		Total Semester Hours: 14	

**Third Year – Tarleton State University**

FIRST SEMESTER		SECOND SEMESTER	
Advanced ENGT Elective		<b>ENGT 4336</b> Production Planning	
<b>ENGT 3318</b> Research & Reporting for Technologists		<b>ENGT 3395</b> Project Management	
<b>ENGT 3375</b> Continuous Improvement		<b>ENGT 4346</b> Manufacturing Management	
<b>ENGT 3386</b> Quality Management		Advanced ENGT Elective	
Total Semester Hours: 12		Total Semester Hours: 12	

**Fourth Year – Tarleton State University**

FIRST SEMESTER
<b>ENGT 4347</b> Metrics and Measurement (Fall Only)
Advanced Elective
Advanced Elective
Advanced Elective
Advanced Elective
Total Semester Hours: 15

Total Degree Hours: 129

**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](http://www.tarleton.edu) for more information.

For questions about the university portion of this pathway,  
 contact the Engineering Technology Department at (254)968-9010 or [Engineering.Technology@tarleton.edu](mailto:Engineering.Technology@tarleton.edu).