



**AAS Automotive Technology to  
BAAS in Manufacturing and Industrial Management  
General Concentration <sup>T</sup>  
Guided Pathway  
Effective for the 2019-2020 Catalog**



**First Year- Hill College**

<b>FIRST SEMESTER- 16 Hours</b>	<b>SECOND SEMESTER – 16 Hours</b>
<b>AUMT 1407</b> Automotive Electrical Systems	<b>AUMT 2413</b> Automotive Drive Train & Axles
<b>AUMT 1410</b> Automotive Brake Systems	<b>AUMT 1419</b> Automotive Engine Repair
<b>AUMT 1416</b> Automotive Steering/Suspension	<b>AUMT 2417</b> Automotive Engine Performance Analysis I
<b>AUMT 2421</b> Automotive Electrical Diagnosis and Repair	<b>AUMT 2434</b> Automotive Engine Performance Analysis II
Total Semester Hours: 16	Total Semester Hours: 16
<b>SUMMER- 4 Hours</b>	
<b>AUMT 1445</b> Automotive Heating and Air Conditioning	
Total Semester Hours: 4	

**Second Year – Hill College**

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

<b>FIRST SEMESTER – 12 Hours</b>	<b>SECOND SEMESTER- 12 Hours</b>
<b>AUMT 2301</b> Automotive Management	<sup>C</sup> <b>*MATH</b> College Level Mathematics Elective
<b>POFT 1220</b> Job Search Skills	<sup>C</sup> <b>SOCI 1301</b> Introduction to Sociology
<b>AUMT 2425</b> Automotive Automatic Transmission & Transaxle	<sup>C</sup> <b>*ELECTIVE</b> Language, Philosophy and Culture
<sup>C</sup> <b>ENGL 1301</b> Composition I	<sup>C</sup> <b>BCIS 1305</b> Business Computer Applications
Total Semester Hours: 12	Total Semester Hours: 12

**AAS: Automotive Technology**

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

<b>These courses may be taken at Hill College (if offered) or TSU-Stephenville Campus</b>	
MATH 1316 Plane Trigonometry OR MATH 1342 Statistics	<sup>C</sup> Life & Physical Science Core Elective (4 credits)
<sup>C</sup> ENGL 1302 – Composition II	<sup>C</sup> Creative Arts Core Elective
<sup>C</sup> Life & Physical Science Core Elective (4 credits)	<sup>C</sup> GOVT 2306 Texas Government
<sup>C</sup> Communication Core Elective	<sup>C</sup> GOVT 2305 Federal Government
<sup>C</sup> HIST1301 United States History I	<sup>C</sup> HIST 1302 United States History II
Total Semester Hours: 16	Total Semester Hours: 16

**Third Year – Tarleton State University**

<b>FIRST SEMESTER</b>	<b>SECOND SEMESTER</b>
ENGT 3318 Research and Reporting for Technologists	Advanced ENGT Course
Advanced ENGT Course	ENGT 3395 Project Management
Advanced ENGT Course	Advanced ENGT Course
Advanced ENGT Course	Advanced Elective Course
Total Semester Hours: 12	Total Semester Hours: 12

**Fourth Year – Tarleton State University**

<b>FIRST SEMESTER</b>
ENGT 3375 Continuous Improvement
Advanced ENGT Course
Advanced Elective Course
Advanced Elective Course
Advanced Elective Course

Total Semester Hours: 15

Total Degree Hours: 131

**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.

<sup>C</sup> This course counts for the Core Curriculum at any public college or university in Texas.

<sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.

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