



**AAS in Automotive Technology to  
BAAS in Manufacturing and Industrial Management  
Guided Pathway  
2018-2019 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
<b>SUMMER I</b>	
<b>AUMT 2357</b> – Automotive Alternative Fuels	
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 and submit a copy of this pathway with your application.

FIRST SEMESTER	SECOND SEMESTER
<b>AUMT 1445</b> – Automotive Climate Control Systems	<b>AUMT 2413</b> – Automotive Drive Train and Axles
<b>AUMT 1410</b> – Automotive Brake Systems	<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 *
<b>PHIL 2306</b> – Introduction to Ethics (040)	<b>SOCI 1301</b> – Introductory Sociology * (080)
Total semester hours: 15	Total semester hours 14

**AAS: Automotive Technology**

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

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 3303 Industrial Materials	ENGT 4336 Production Planning
<b>MATH 1316</b> Plane Trigonometry OR Math 1342 Statistics	ENGT 3395 Project Management
ENGT 3386 Quality Management	Advanced ENGT Course
<b>ENGL 1302</b> – Composition II	<b>C *Science Core</b>
<b>C *Science Core</b>	<b>C *Visual &amp; Performing Arts</b>
<b>SUMMER</b>	
<b>GOVT 2306</b> Texas Government	

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 4346 Manufacturing Management	ENGT 4376 Automated Manufacturing Systems
Advanced ENGT Course	Advanced ENGT Course
Advanced ENGT Course	Advanced ENGT Course
Advanced ENGT Course	Advanced ENGT Course
<b>C *Science Core</b>	<b>HIST 1302</b> United States History II
<b>HIST1301</b> United States History I	
<b>SUMMER</b>	
<b>GOVT 2305</b> Federal Government	

**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.

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).