



**Associate of Applied Science to
BAAS in Manufacturing and Industrial Management
Guided Pathway
Effective for the 2017-2018 Catalog**



First Year – NCTC

| FIRST SEMESTER | SECOND SEMESTER |
|--|--|
| DFTG 1309 – Basic Computer-Aided Drafting | MCHN 1320 – Precision Tools & Measurement |
| MCHN 1438 – Basic Machine Shop I | MCHN 2434 – Operation of CNC Machining Ctrs |
| MCHN 2303 – Fund. of CNC Machine Controls | MCHN 2435 – Advanced CNC Machining |
| TECM 1301 – Industrial Mathematics | METL 1301 – Introduction to Metallurgy |
| MCHN 1320 – Precision Tools & Measurement | MCHN 1343 – Machine Shop Mathematics |
| | MCHN 1302 - Print Reading Machining Trades ¹ |

Second Year – NCTC

It is best to apply to [Tarleton State University](#) a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

| FIRST SEMESTER | SECOND SEMESTER |
|---|---|
| OSHT 1320 – Energy Industrial Safety | ^C MATH 1314 – College Algebra |
| BMGT 2309 – Leadership | ^C SPCH 1318 – Interpersonal Communication |
| ^C ENGL 1301 – Composition I | BMGT 1327 – Principles of Management |
| ^C HIST 1301 – United States History I | ^C ARTS 1301 – Art Appreciation |
| | MCHN 2380 – Co. Ed.-Machine Tool Tech |

AAS: Machining Technology

Third Year – Tarleton State University

| FIRST SEMESTER | SECOND SEMESTER |
|---|--|
| ENGT 3303 Industrial Materials | ENGT 4336 Production Planning |
| ^C MATH 1316 Plane Trigonometry OR Math 1342 Statistics | ENGT 3395 Project Management |
| ENGT 3386 Quality Management | Advanced ENGT Course |
| ^C ENGL 1302 – Composition II | ^C *Science Core |
| ^C *Science Core | ^C * Social & Behavioral Science |
| SUMMER | |
| ^C GOVT 2306 Texas Government | |

Fourth Year - Tarleton State University

| FIRST SEMESTER | SECOND SEMESTER |
|---|---|
| ENGT 4346 Manufacturing Management | ENGT 3375 Continuous Improvement |
| Advanced ENGT Course | Advanced ENGT Course |
| Advanced ENGT Course | Advanced ENGT Course |
| Advanced ENGT Course | Advanced ENGT Course |
| ^C *Humanities Core | ^C HIST 1302 United States History II |
| SUMMER | |
| ^C GOVT 2305 Federal Government | |

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

- * 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. Sometimes, taking a specific course to meet a Core requirement will also fulfill other requirements for your degree. If this course meets more than one requirement it is listed as the correct option (with no asterisk).

For questions about the university portion of this guided pathway, Contact the Academic Advising Office at [Tarleton State University](#).