

**Industrial Automation Systems to
BAAS in Manufacturing and Industrial Management
Guided Pathway
Effective for the 2017-2018 Catalog**

First Year – Vernon College

| FIRST SEMESTER | SECOND SEMESTER |
|---|---|
| ⒸENGL 1301 Composition I | ELPT 1441 Motor Controls |
| CETT 1402 Electricity Principles or HART 1401 Basic Electricity for HVAC | ⒸMATH 1314 College Algebra or MATH 1332 Contemporary Mathematics |
| ITNW 1325 Fundamental of Networking Technologies | ELPT 2419 Programmable Logic Controllers I |
| XXXX X3XX Elective | RBTC 1405 Robotic Fundamentals |

Second Year – Vernon College

It's 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 |
|---|--|
| ⒸGOVT 2305 Federal Government | ⒸXXXX X3XX Humanities/Fine Arts Elective |
| ⒸSPCH 1315 Public Speaking | ELMT 2441 Electromechanical Systems |
| ELMT 2433 Industrial Electronics | ELPT 1457 Industrial Wiring |
| ELPT 2339 Electrical Power Distribution | ELPT 2443 Electrical Systems Design |
| ELPT 2449 Industrial Automation | |

AAS: Industrial Automation Systems

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 |
| ⒸMATH 1316 Plane Trigonometry OR Math 1342 Statistics | ENGT 3395 Project Management |
| ENGT 3386 Quality Management | Advanced ENGT Course |
| ⒸENGL 1302 – Composition II (090) | Ⓒ*Visual & Performing Arts (050) |
| Ⓒ*Science Core (030) | |
| THIRD SEMESTER | |
| Ⓒ Social and Behavioral Sciences (080) | |

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 |
| Ⓒ*Science Core (030) | ⒸHIST 1302 United States History II (060) |
| ⒸHIST1301 United States History I (060) | THIRD SEMESTER |
| | ⒸGOVT 2306 Texas Government (070) |

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.

Ⓒ 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.

For questions about the University portion of this guided pathway,

Contact the Engineering Technology Department at (254)968-9010 or Engineering.Technology@tarleton.edu.