

**Industrial Automation Systems to
BAAS in Manufacturing and Industrial Management
Industrial Management Concentration
Guided Pathway
Effective for the 2018-2019 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.

FIRST SEMESTER	SECOND SEMESTER
◐GOVT 2305 Federal Government	◐XXXX X3XX Language, Philosophy & Culture (040)
◐SPCH 1315 Public Speaking (010)	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 3318 Research and Reporting For Technologists	ENGT 4336 Production Planning
◐MATH 1316 Plane Trigonometry OR Math 1342 Statistics	ENGT 3395 Project Management
ENGT 3386 Quality Management	Advanced ENGT Elective Course
◐ENGL 1302 – Composition II (010)	◐*Creative Arts Elective Course (050)
◐*Life and Physical Science Elective Course (030)	◐GOVT 2306 Texas Government (070)
THIRD SEMESTER	
◐ Social and Behavioral Sciences (080)	◐*Institutional Option (090)
◐HIST1301 United States History I (060)	

Fourth Year - Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 4346 Manufacturing Management	ENGT 3375 Continuous Improvement
ENGT 4347 Metrics and Measurements (Fall Only)	Advanced Elective Course
Advanced ENGT Elective Course	Advanced Elective Course
Advanced Elective Course	Advanced Elective Course
◐*Life and Physical Science Elective Course (030)	◐HIST 1302 United States History II (060)
	THIRD SEMESTER

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.

Additional coursework may be required if 36 credits are not awarded for the Occupational Specialization block.

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