



**AAS in Electrical/Electronic Controls Technology to
BAAS in Manufacturing and Industrial Management
Guided Pathway
Effective for the 2016-2017 Catalog**

First Year – Tyler Junior College

FIRST SEMESTER (15 SCH)	SECOND SEMESTER (12 SCH)
TECM 1303 – Technical Calculations	ELPT 1325 – National Electrical Code I
IEIR 1302 – Introduction to Direct Current Circuits	IEIR 1304 – Alt. Current Circuits for Ind. Applications
CETT 1321 – Electronic Fabrication	CETT 1325 – Digital Fundamentals
^c ECON 2301 – Principles of Macroeconomics * (080)	SUMMER (3 SCH)
^c ENGL 1301 – Composition I (010)	ELMT 1380 – Cooperative Ed. – Electromechanical Technology/Electromechanical Engineering Tech. *

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 (15 SCH)	SECOND SEMESTER (15 SCH)
ELPT 2305 – Motors and Transformers	ELPT 1345 – Commercial Wiring
INCR 1302 – Physics of Instrumentation	ELPT 2347 – Electrical Testing and Maintenance
INTC 1341 – Principles of Automatic Control	DFTG 1325 – Blueprint Reading and Sketching
ELPT 2319 – Programmable Logic Controllers I	^c SPCH 1321 – Bus. & Prof. Communication (010)
^c MATH 1314 – College Algebra (020)	^c PHIL 2306 – Introduction to Ethics (040)

AAS: Electrical/Electronic Controls 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
^c MATH 1316 Plane Trigonometry OR Math 1342 Statistics	ENGT 3395 Project Management
ENGT 3386 Quality Management	Advanced ENGT Course
^c GOVT 2306 Texas Government	^c *Science Core
^c *Science Core	^c *Visual & Performing Arts

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
^c HIST1301 United States History I	^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.

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.