



Electrical Technology AAS to  
BAAS-Manufacturing and Industrial Management  
Safety Management Concentration  
**Guided Pathway**  
2018-2019



**First Year – Grayson College**

FIRST SEMESTER	SECOND SEMESTER
DFTG 1325 Blueprint Reading	ELPT 2305 Motors and Transformers
ELPT 1215 Electrical Calculations	ELPT 1325 National Electrical Code
ELPT 1311 Basic Electrical Theory	ELPT 1329 Residential Wiring
ELPT 1221 Intro to Electrical Safety and Tools	ELPT 2164 Practicum in Elec Transmission
ELTN 1391 Special Topics in Electric	ELTN 1343 Electrical Troubleshooting
EDUC/PSYC 1300 Learning Frameworks	

Total Semester Hours: 13

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**Second Year – Grayson College**

It's best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
ELPT 1357 Industrial Wiring	ITSC 1309 Integrated Software Applications
ELPT 2319 Programmable Logic Controllers	◌MATH 1332 Contemporary Mathematics (020)
◌ENGL1301 Composition I	ELPT 2165 Practicum in Elec. Transmission
IEIR 1312 Distribution Systems	◌SPCH 1311 Intro to Speech Communication
ELPT 2343 Electrical Systems Design	◌HIST 1301 US History I*
ELPT 1341 Motor Control	◌HUMA 1301 Intro to the Humanities (040)*

Total Semester Hours: 18

Total Semester Hours: 16

**AAS: Electrical 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 3318 Research & Reporting for Technologists	ENGT 4320 Occupational Safety and Health
ENGT 3320 Industrial Safety	ENGT 3395 Project Management
ENGT 3326 Ergonomics and Work Methods	MATH 1316 Plane Trig or MATH 1342 Elem Stats
◌ENGL1302 Composition II	ENGT 3360 Safety Management
◌Life & Physical Science Core (030)*	◌Creative Arts (050)*
SUMMER	
◌GOVT 2306 Texas Government	

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 3375 Continuous Improvement	Advanced Elective Course
Advanced ENGT Course	Advanced Elective Course
Advanced Elective Course	◌HIST 1302 United States History II
Advanced Elective Course	Advanced ENGT Course
◌Life & Physical Science Core (030)*	◌Social and Behavioral Science Core (080)*
SUMMER	
◌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.

◌ This course counts for the Core Curriculum at any public college or university in Texas.

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

*For questions about the University portion of this pathway,  
Contact the Department of Engineering Technology at (254) 968-9014 or [engineering.technology@tarleton.edu](mailto:engineering.technology@tarleton.edu).*