



**AAS in Power Plant 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 (16 SCH)
ENER 1330 – Basic Mechanical Skills for Energy	ENGL 2311 – Technical & Business Writing (040)
TECM 1303 – Technical Calculations	IEIR 1304 – Alt. Current Circuits for Ind. Applications
IEIR 1302 – Introduction to Direct Current Circuits	CBFM 1407 – Boiler Operation
INMT 2301 – Machinery Installation	INCR 1302 – Physics of Instrumentation
ENGL 1301 – Composition I (010)	HYDR 1345 – Hydraulics and Pneumatics
SUMMER (3 SCH)	
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 (13 SCH)	SECOND SEMESTER (13 SCH)
ELMT 2452 – Power Generation Instrumentation	ELPT 2305 – Motors and Transformers
EPCT 1305 – Environmental Regulations Overview	ELMT 2453 – Power Generation Troubleshooting
PHIL 2306 – Introduction to Ethics (040)	SPCH 1321 – Bus. & Prof. Communication (010)
MATH 1314 – College Algebra (020)	ECON 2301 – Principles of Macroeconomics * (080)

AAS: Power Plant 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
MATH 1316 Plane Trigonometry OR Math 1342 Statistics	ENGT 3395 Project Management
ENGT 3386 Quality Management	Advanced ENGT Course
ENGL 1302 – Composition II	*Science Core
*Science Core	*Visual & Performing Arts
	SUMMER
	GOVT 2306 Texas Government

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
HIST1301 United States History I	HIST 1302 United States History II
	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.

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