



**AAS in Power Plant Technology to  
Bachelor of Applied Arts & Sciences  
Guided Pathway  
2018-2019 Catalog**



**First Year – Tyler Junior College**

FIRST SEMESTER	SECOND SEMESTER
<b>ENER 1330</b> – Basic Mechanical Skills for Energy	<b>IEIR 1304</b> – Alternating Current Circuits for Ind. App.
<b>TECM 1303</b> – Technical Calculations	<b>CBFM 1407</b> – Boiler Operation
<b>IEIR 1302</b> – Introduction to Direct Current Circuits	<b>INCR 1302</b> – Physics of Instrumentation
<b>INMT 2301</b> – Machinery Installation	<b>HYDR 1345</b> – Hydraulics and Pneumatics
<b>ENGL 1301</b> – Composition I (010)	<b>MATH 1314</b> – College Algebra (020)

Total semester hours: 15

Total semester hours: 16

SUMMER
<b>ELMT 1380</b> – Cooperative Education – Electromechanical Technology/Electromechanical Engineering Technology *

Total semester hours: 3

**Second Year – Tyler Junior College**

It's best to apply to Texas A&M University-Commerce a full semester before transfer and submit a copy of this pathway with your application.

FIRST SEMESTER	SECOND SEMESTER
<b>ELMT 2452</b> – Power Generation Instrumentation	<b>ELPT 2305</b> – Motors and Transformers
<b>INMT 2303</b> – Pumps, Compressors & Mechanical Drives	<b>ELMT 2453</b> – Power Generation Troubleshooting
<b>ENER 2325</b> – SCADA and Networking	<b>PHIL 2306</b> – Introduction to Ethics (040)
<b>ECON 2301</b> – Principles of Macroeconomics * (080)	<b>SPCH 1321</b> – Business & Prof. Communication (010)

Total semester hours: 13

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**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 Courses - Texas A&M University-Commerce**

FIRST SEMESTER	SECOND SEMESTER
<b>HIST 1301</b> - U.S. History to 1877	<b>HIST 1302</b> - U.S. History from 1865
<b>ANY CREATIVE ARTS CORE</b>	<b>ANY LIFE &amp; PHYSICAL SCIENCE CORE</b>
<b>ANY LIFE &amp; PHYSICAL SCIENCE CORE</b>	<b>ANY DEGREE PATHWAY OPTION</b>
<b>BAAS 301</b> Principles of Applied Sciences	<b>BAAS 326</b> Tech Techniques & Solutions

**Fourth Year Courses - Texas A&M University-Commerce**

FIRST SEMESTER	SECOND SEMESTER
<b>TMGT 458</b> Project Management	<b>TMGT 350</b> Principles of Technology Management
<b>BAAS 345</b> Leadership Techniques	<b>BAAS 445</b> Ethical Decision Making
<b>BAAS 408</b> Advanced Problem Solving (Pre-Req BAAS 326)	<b>TMGT 303</b> Technical Communications
<b>BAAS 351</b> Financial Tools for Managers (Pre Req BAAS 326)	Upper Level Elective
<b>BAAS 443</b> Professional Standards	Upper Level Elective

**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 and does not count toward degree hours.

\* 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. Sometimes, taking a specific course to meet a Core requirement will also fulfill other requirements for your degree. If this course meets more than one requirement it is listed as the correct option (with no asterisk).

<sup>2</sup>Taking both GOVT courses at TJC creates a better alignment.

For questions about the University portion of this guided pathway, contact the Applied Science Academic Advising Office at (903) 886-5155 or [Misty.Lair@tamuc.edu](mailto:Misty.Lair@tamuc.edu).