



**AAS in Power Plant Technology to  
Online BAAS Human Resource Development (HRD) Concentration  
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 *
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Total semester hours: 3

**Second Year – Tyler Junior College**

It's best to apply to Midwestern State a full semester before you plan to transfer. It will help if you 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 – Midwestern State University Online BAAS Human Resource Development (HRD) Concentration**

FIRST SEMESTER	SECOND SEMESTER
<b>ENGL 1302</b> (or Communications II Core)	<b>Any Computer Science Proficiency Course</b>
<b>Any Physical/Life Science Core</b>	<b>Any Physical/Life Science Core</b>
<b>Any Creative Arts Core</b>	<b>HIST 1233</b> (American History II)
<b>HIST 1133</b> (American History I)	<b>POLS 1433</b> (GOVT 2306-Texas Govt)
<b>POLS 1333</b> (GOVT 2305-Federal Govt)	Undergraduate Inquiry & Creativity
<b>Cultural &amp; Global Understanding</b>	

**Fourth Year – Midwestern State University Online BAAS Human Resource Development (HRD) Concentration**

FIRST SEMESTER	SECOND SEMESTER
Select HRD Concentration Courses with Advisor	Select HRD Concentration Courses with Advisor
Select HRD Concentration Courses with Advisor	Select HRD Concentration Courses with Advisor
Select HRD Concentration Courses with Advisor	Select HRD Concentration Courses with Advisor
Select HRD Concentration Courses with Advisor	Select HRD Concentration Courses with Advisor
Select HRD Concentration Courses with Advisor	Select HRD Concentration Courses with Advisor
Select HRD Concentration Courses with Advisor	BAAS 4113, Capstone Project

**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.

() Course numbers shown in parentheses are equivalent to these courses at Midwestern State University.