



AAS. Industrial Maintenance Technician to  
Bachelor of Applied Arts & Sciences Degree Technology Concentration  
**Guided Pathway**  
2019-2020 Catalog

**First Year - Tarrant County College District**

FIRST SEMESTER	SECOND SEMESTER
<b>CETT 1409</b> - DC-AC Circuits	<b>ELPT 2405</b> - Motors and Transformers
<b>INMT 1305</b> - Intro to industrial Maintenance	<b>RBTC 1401</b> - Programmable Logic Controllers
<b>HART 1407</b> - Refrigeration Principles	<b>WLDG 1428</b> - Intro Shielded Metal Arc Welding (SMAW)
<b>HART 1403</b> - Air Conditioning Control Principles	<b>ELMT 2337</b> - Electronic Troubleshooting, Service & Repair

**Second Year – Tarrant County College District**

It's best to apply to Midwestern State University 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>HYDR 1345</b> - Hydraulics and Pneumatics	<b>GOVT 2305(070)</b> – Federal Government <sup>C</sup>
<b>HYDR 1450</b> - Hydraulics, Fabrication & Repair	<b>ENGL 1301(010)</b> – Composition I <sup>C</sup>
<b>RBTC 1447</b> - Electro-Mechanical Devices	<b>SPCH 1321</b> - Business & Professional Communication <sup>C</sup>
<b>INMT 2488</b> – Internship-Manufacturing Technology/Technician	<b>MATH 1314(020)</b> – College Algebra <sup>C</sup>

**AAS: Industrial Maintenance Technician**

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 Technology Concentration**

FIRST SEMESTER	SECOND SEMESTER
<sup>C</sup> ENGL 1153 (1302) Academic Writing & Lit	<sup>C</sup> Life & Physical Science
<sup>C</sup> Life & Physical Science	<sup>C</sup> Language, Philosophy & Culture
<sup>C</sup> Creative Arts	<sup>C</sup> HIST 1233 (1302) U.S. History since 1865
<sup>C</sup> HIST 1133 (1301) U.S. History from 1865	<sup>C</sup> Social & Behavioral Science
<sup>C</sup> POLS 1333 (GOVT 2306)*	<sup>C</sup> Undergraduate Inquiry
Computer Science	<sup>C</sup> Cultural & Global Understanding

**Fourth Year - Midwestern State University Technology Concentration**

FIRST SEMESTER	SECOND SEMESTER
TECH 3103 – Safety Technology	TECH 4103 - Innovation
TECH 3113 – Quality Technology	TECH 4113 – Facilities Design
TECH 3133 – Manufacturing Technology	TECH 4123 – Energy Technology
TECH 3143 – Production Planning	TECH 4133 – Construction Technology
TECH 3153 – Project Planning	BAAS 3113, Internship or Elective Course
TECH 3163 – Supply Technology	BAAS 4113 - Capstone

**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.
- <sup>C</sup> 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.

*For questions about the University portion of this degree plan,  
Contact the XXX Academic Advising Office at (###) ###-#### or email@host.edu.*