



**Associate of Applied Science in  
Industrial Mechanics to  
Bachelor of Applied Arts & Sciences (BAAS)  
Technology Concentration  
Guided Pathway  
2019-2020 Catalog**



**First Year – NCTC**

FIRST SEMESTER	SECOND SEMESTER
DFTG 1309 – Basic Computer-Aided Drafting	ELPT 1319 – Fundamentals of Electricity I
INMT 1305 – Intro to Industrial Maintenance	ELPT 1341 – Motor Control
HYDR 1345 – Hydraulics and Pneumatics	ELPT 2305 – Motors and Transformers
INMT 2303 – Pumps, Compress. & Mech Drives	ELPT 2319 – Programmable Logic Controllers I
	TECM 1301 – Industrial Mathematics
	INMT 2345 – Industrial Troubleshooting <sup>1</sup>

**Second Year – NCTC**

It is 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
ELPT 1325 – National Electrical Code I	INMT 2380 – Co. Ed. – Manufacturing Tech.
<sup>c</sup> SPCH 1318 – Interpersonal Communication*	<sup>c</sup> MATH 1314 – College Algebra
OSHT 1320 – Energy Industrial Safety	<sup>c</sup> ARTS 1301 – Art Appreciation
BMGT 2309 – Leadership	BMGT 1327 – Principles of Management
<sup>c</sup> ENGL 1301 – Composition I	<sup>c</sup> GOVT 2306 – Texas Government

**AAS: Industrial Mechanics**

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 Bachelor of Applied Arts & Sciences (BAAS)  
Technology Concentration**

FIRST SEMESTER	SECOND SEMESTER
Communication II (or ENGL 1302)	POLS 1433 (or GOVT 2305)- American Govt
Any Life & Physical Science Core	Any Life & Physical Science Core
Any Language, Phil, Culture Core	Any Undergraduate Inquiry Core
HIST 1133	HIST 1233 – American History II
Any Social & Behavioral Science	Any Cultural & Global Understanding Core

**Third Year – Midwestern State University Bachelor of Applied Arts & Sciences (BAAS)  
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.**

<sup>1</sup> Course offered first year, third semester (summer term)

\* 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. 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).

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

*For questions about the University portion of this pathway,  
Contact the BAAS Office at [940] 397-4400 or email: [baas@msutexas.edu](mailto:baas@msutexas.edu).*