

**Associate of Applied Science in
Advanced Manufacturing/Mechatronics Technology to
Bachelor of Applied Arts & Sciences
Effective for the 2018-2019 Catalog**



First Year – Eastfield College²

FIRST SEMESTER	SECOND SEMESTER
CETT 1403 – DC Circuits	MFGT 1404 – Automated Manufacturing
ELMT 1405 – Basic Fluid Power	CETT 1405 – AC Circuits
ENGL 1301 – Composition I (010)	CETT 1429 – Solid State Devices
MATH 1314 – College Algebra OR	SPCH 1311 – Introduction to Speech Communication OR
MATH 1332 – Contemporary Mathematics (020)	SPCH 1315 – Public Speaking (090)
EECT 1104 – Electronic Soldering OR	
EECT 1191 – Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician	
Total Semester Hours: 15	Total Semester Hours: 15

Second Year – Eastfield College

It's best to apply to (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
MFGT 1406 – Mechanical Principles in Automated Manufacturing	MFGT 2459 – Industrial Automation II
CETT 1425 – Digital Fundamentals	Emphasis Elective+
ELPT 2419 – Programmable Logic Controllers I	CETT 1441 – Solid State Circuits
Humanities/Fine Arts Elective* (040 OR 050)	Social/Behavioral Science Elective* (060, 070 OR 080)
Total Semester Hours: 15	Total Semester Hours: 15

AAS: Advanced Manufacturing/Mechatronics Technology (60 hours)

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

Third Year – University of North Texas

FIRST SEMESTER	SECOND SEMESTER
PSCI 2305 – American Gov't: Process & Policies (GOVT 2305)	PSCI 2306 – American Gov't: Laws & Institutions (GOVT 2306)
BIOL 1112 – Contemporary Biology* (BIOL 1408)	BIOL 1132 – Environmental Science* (BIOL 2406)
TECM 2700 – Technical Writing* (ENGL 2311)	BAAS 3000 – Pathways to Civic Engagement
LTEC 3220 – Computer Graphics in Education & Training*	LTEC 4000 – Principles of Training and Development*
LTEC 4121 – Technical Presentation Skills*	LTEC 3260 – Web Authoring
Total Semester Hours: 15	Total Semester Hours: 15

Fourth Year – University of North Texas

FIRST SEMESTER	SECOND SEMESTER
BAAS 3020 – Fundamentals of Inquiry and Discovery	BAAS 4980 – Managing a 21 st Century Career
HIST 2610 – US History to 1865 (HIST 1301)	HIST 2620 – US History since 1865 (HIST 1302)
MUET 3030 – Music Cultures of the World*	LTEC 4040 – Project Management & Appl. Tech Perf. Improvement*
LTEC 4160 – Adv. Computer Applications in Education & Training*	LTEC 4200 – Perf. Improvement in Education & Training*
LTEC 3610 Principles of Team Science*	ENGR 1030 - Technology Systems*
Total Semester Hours: 15	Total Semester Hours: 15

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.

¹ You may use this pathway if you entered one of the seven colleges on or before this date.

² Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven colleges of the DCCCD awarding the degree.

C This course counts for the Core Curriculum at any public college or university in Texas.

* There are several options to fulfill this requirement. See your academic advisor for a specific list.

+ Technical elective must be selected from the following:

CETT 1407, CETT 1449, CETT 2480, CETT 2481, CPMT 1403, EECT 1491, HART 1407, MCHN 1454, WLDG 1471

^ The Advanced Manufacturing/Mechatronics Technology Certificate is offered at Eastfield College and Mountain View College.

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

For questions about the University portion of this guided pathway,
Contact the B.A.A.S. Academic Advising Office at (940) 369-8129 or baas@unt.edu.