



**Associate in Applied Science in
Advanced Manufacturing/
Mechatronics Technology to
Bachelor of Applied Arts and Sciences
Guided Pathway
Effective for the 2019-2020 catalog¹**



**BACHELOR OF
APPLIED ARTS
& SCIENCES**
Experience
Discovery
Collaboration
Application

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
^C ENGL 1301 – Composition I (010)	CETT 1429 – Solid State Devices
^C MATH 1314 – College Algebra (020) <u>OR</u>	^C SPCH 1311 – Introduction to Speech Communication (090) <u>OR</u> ^C SPCH
^C MATH 1332 – Contemporary Mathematics (020)	1315 – Public Speaking (090)
EECT 1104 – Electronic Soldering <u>OR</u>	
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 UNT 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	Technical Elective⁺ (one course)
ELPT 2419 – Programmable Logic Controllers I	CETT 1441 – Solid State Circuits <u>OR</u>
^C Humanities/Fine Arts Elective[*] (040 OR 050)	CETT 2480 – Cooperative Education-Computer Engineering Technology/Technician
	^C 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 Courses – University of North Texas

FIRST SEMESTER	SECOND SEMESTER
BAAS 3020 - Inquiry and Discovery	BAAS 3000 – Pathways to Civic Engagement
^C ENGL 1320 – College Writing II (010)	^C Life and Physical Science (030)
^C Life and Physical Science (030)	^C Humanities Course (040) or ^C Fine Arts course (050) depending on what student has already taken.
MGMT 3720 – Organizational Behavior	MGMT 4470 – Leadership
3XXX-4XXX Concentration 3	3XXX-4XXX Concentration 3

Total Semester Hours: 15

Total Semester Hours: 15

Fourth Year Courses – University of North Texas

FIRST SEMESTER	SECOND SEMESTER
^C PSCI 2305 – American Gov't: Process & Policies (070)	BAAS 4100 - Managing a 21 st Century Career
^C HIST 2610 – US History to 1865 (060)	^C PSCI 2306 - US and Texas Constitutions and Institutions (070)
^C Component Area 3XXX-4XXX (090)	^C HIST 2620 – US History since 1865 (060)
MGMT 3850 – Foundations of Entrepreneurship	MGMT 4660 – International Management Perspectives
3XXX-4XXX Concentration 3	3XXX-4XXX Concentration 3

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. Only one cooperative education course can be taken in any one semester.

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

You must earn a grade of "C" or better in English 1301 and the selected college-level mathematics course.

Approved: 2019-2020 Guided Pathway

UNT Concentrations:

This plan illustrates one possible concentration. However, there are other possible concentrations that can be selected in conjunction with your academic advisor.

For questions about the University portion of this degree plan, contact the UNT
Applied Arts and Sciences Unit Office at (940) 369-8129, baas@unt.edu
<http://baas.unt.edu>