



STEM  
EFC

**Associate in Applied Science in  
Renewable/Sustainable Energy to  
Bachelor of Applied Arts and Sciences  
Guided Pathway  
Effective for the 2019-2020 catalog<sup>1</sup>**



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

**First Year – Eastfield College<sup>2</sup>**

FIRST SEMESTER	SECOND SEMESTER
ELMT 2471 – Alternative Energy Systems	CETT 1405 – AC Circuits
CETT 1403 – DC Circuits	CETT 1425 – Digital Fundamentals
<sup>C</sup> MATH 1314 – College Algebra (020) <b>OR</b> <sup>C</sup> MATH 1332 – Contemporary Mathematics (020)	CETT 1429 – Solid State Devices
EECT 1104 – Electronic Soldering <b>OR</b> EECT 1191 – Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician	<sup>C</sup> Social/Behavioral Science Elective* (060, 070 OR 080)
<sup>C</sup> ENGL 1301 – Composition I (010)	

Total Semester Hours: 15

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**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
ELMT 1411 – Solar Fundamentals	ELMT 1402 – Solar Photovoltaic Systems
WIND 2410 – Wind Turbine Materials and Electro-Mechanical Equipment	CETT 1441 – Solid State Circuits <b>OR</b> CETT 2480 – Cooperative Education-Computer Engineering Technology/Technician
MFGT 1406 – Mechanical Principles in Automated Manufacturing <i>(required for certificate, elective for degree)+</i>	<sup>C</sup> Humanities/Fine Arts Elective* (040 OR 050)
<sup>C</sup> SPCH 1311 – Introduction to Speech Communication (090) <b>OR</b> <sup>C</sup> SPCH 1315 – Public Speaking (090)	Technical Elective+

Total Semester Hours: 15

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**AAS: Renewable/Sustainable Energy (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
BAAS 3020 - Inquiry and Discovery	BAAS 3000 – Pathways to Civic Engagement
<sup>C</sup> ENGL 1320 – College Writing II (010)	<sup>C</sup> Life and Physical Science (030)
<sup>C</sup> Life and Physical Science (030)	<sup>C</sup> Humanities Course (040) or <sup>C</sup> 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 – University of North Texas**

FIRST SEMESTER	SECOND SEMESTER
<sup>C</sup> PSCI 2305 – American Gov't: Process & Policies (070)	BAAS 4100 - Managing a 21 <sup>st</sup> Century Career
<sup>C</sup> HIST 2610 – US History to 1865 (060)	<sup>C</sup> PSCI 2306 - US and Texas Constitutions and Institutions (070)
<sup>C</sup> Component Area 3XXX-4XXX (090)	<sup>C</sup> 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.

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

<sup>2</sup> 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.

<sup>C</sup> 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: CPMT 1403, ELPT 2419, CETT 1407, CETT 2481, MFGT 1404, MFGT 1406, MFGT 2459, EECT 1491

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](mailto:baas@unt.edu) <http://baas.unt.edu>

