

**TRANSFER PATHWAY
(For Transfer to Lamar University)
ASSOCIATE OF APPLIED SCIENCE IN ADVANCED MANUFACTURING/MECHATRONICS TECHNOLOGY TO
BACHELOR OF SCIENCE IN INDUSTRIAL TECHNOLOGY**

Catalog Year 2019-2020 You may use this pathway if you entered one of the seven colleges on or before this date.

Career Path Industry, Manufacturing & Construction Career Path

Available at Eastfield College

TSI Must be Complete

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

All plans can be modified to fit the needs of part-time students. This is not an official degree plan. See catalog for official degree requirements. You must receive a GPA of at least 2.00 on all college-level course work. Students must earn at least 25% of the credit hours required for graduation through instruction by one of the seven DCCCD colleges awarding the degree. You will need to apply for the associate's degree at your college. Contact your advisor for information.

AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS

SEMESTER 1

Total Hours: 15

CETT 1403 – DC Circuits

ELMT 1405 – Basic Fluid Power

ENGL 1301 – Composition I *This is a (010) Core course. Must earn a grade of "C" or higher.*

CHOOSE ONE: **MATH 1314** – College Algebra (**preferred course**) **OR**

MATH 1332 – Contemporary Mathematics *These are (020) Core courses. Must earn a grade of "C" or higher.*

CHOOSE ONE: **EECT 1104** – Electronic Soldering **OR**

EECT 1191 – Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician

SEMESTER 2

Total Hours: 15

MFGT 1404 – Automated Manufacturing

CETT 1405 – AC Circuits

CETT 1429 – Solid State Devices

CHOOSE ONE: **SPCH 1311** – Introduction to Speech Communication **OR**

SPCH 1315 – Public Speaking (**preferred course**) *These are (090) Core courses.*

SEMESTER 3

Total Hours: 15

MFGT 1406 – Mechanical Principles in Automated Manufacturing

CETT 1425 – Digital Fundamentals

ELPT 2419 – Programmable Logic Controllers I

Humanities/Fine Arts Core Elective *This is a (050) Core course. There are several options to fulfill this requirement. See your academic advisor for a specific list.*

SEMESTER 4

Total Hours: 15

MFGT 2459 – Industrial Automation II

Technical Elective (one course) *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.*

CHOOSE ONE: **CETT 1441** – Solid State Circuits **OR**

CETT 2480 – Cooperative Education-Computer Engineering Technology/Technician

Social/Behavioral Science Core Elective *This is a (080) Core course. There are several options to fulfill this requirement. See your academic advisor for a specific list.*

LAMAR UNIVERSITY
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SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

For questions about the Lamar University portion of this transfer pathway, contact the Undergraduate Advising Office at (409) 880-7216 or email transferadvocate@lamar.edu. It is best to apply to Lamar University a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

SUMMER SEMESTER

Total Hours: 11

PHIL 2306 – Introduction to Ethics *This is a (040) Core course.*

Science Core Elective *This is a (030) Core course. There are several options to fulfill this requirement. See your academic advisor for a specific list.*

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SEMESTER 1

Total Hours: 16

INEN 2301 - Quantitative Methods

INEN 3300 - Intro to IE

INEN 3330 - Engineering Economy

HIST 2301 - American History I *This is a (060) Core course. HIST 1301 may be taken at DCCCD institution and transferred to Lamar University.*

POLS 2301 – Intro to American Government I *This is a (070) Core course. GOVT 2306 may be taken at DCCCD institution and transferred to Lamar University.*

LIBR 1101 – Intro to the Library

SEMESTER 2

Total Hours: 15

INEN 4301 - Quality Control Applications

INEN 4316 - Industrial & Product Safety

INEN 4351 - Production and Inventory Systems

INEN 4369 - Engineering Management

INEN 3360 - Computer Technology

SEMESTER 3

Total Hours: 15

HIST 2302 - American History II *This is a (060) Core course. HIST 1302 may be taken at DCCCD institution and transferred to Lamar University.*

Approved Upper Level Elective

Approved Upper Level Elective

Approved Upper Level Elective

INEN 4315 – Industrial Management

SEMESTER 4

Total Hours: 15

POLS 2302 – Intro to American Government II *This is a (070) Core course. GOVT 2305 may be taken at DCCCD institution and transferred to Lamar University.*

Approved Upper Level Elective

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Approved Upper Level Elective

Approved Upper Level Elective