



AAS Robotics and Automation Technology  
**Guided Pathway**  
 Effective beginning with the 2022-2023 catalog

**First Year - Collin College**

| FIRST SEMESTER                                   | SECOND SEMESTER                      |
|--------------------------------------------------|--------------------------------------|
| CETT 1307 Fundamentals of Electronics            | <sup>c</sup> Speech (see list below) |
| <sup>c</sup> ENGL 1301 Composition I             | CETT 1409 DC-AC Circuits             |
| CETT 1425 Digital Fundamentals                   | RBTC 1405 Robotic Fundamentals       |
| ENTC 1171 Introduction to Engineering Technology | ELMT 1305 Basic Fluid Power          |
| *TECM 1343 Technical Algebra and Trigonometry    |                                      |
| 14 credit hours                                  | 14 credit hours                      |

**Second Year - Collin College**

| FIRST SEMESTER                                  | SECOND SEMESTER                                          |
|-------------------------------------------------|----------------------------------------------------------|
| INTC 1307 Instrumentation Test Equipment        | <sup>c</sup> Social/Behavioral Sciences (see list below) |
| <sup>c</sup> Natural Sciences (see list below)  | <sup>c</sup> Humanities/Fine Arts (see list below)       |
| RBTC 2345 Robot Application, Set-up and Testing | CETT 1445 Microprocessor                                 |
| ELMT 1301 Programmable Logic Controllers        | ELMT 2339 Advanced Programmable Logic Controllers        |
| INTC 1357 AC-DC Motor Control                   | INTC 2359 Distributed Control Systems (Capstone)         |
| 16 credit hours                                 | 16 credit hours                                          |

**AAS Industrial Automation**

Contact your advisor at Collin College for information about applying for your associate degree.

<sup>c</sup>Core Curriculum transferrable to any public college or university in Texas.

**Collin Options:**

\*May substitute MATH 1316 or higher-level Math (recommended for transfer students)

Natural Sciences

**BIOL** 1406, 1407, 1408, 1409, 1414, 1415, 2401, 2402, 2404, 2406, 2416, 2420, 2421 **CHEM** 1405, 1411, 1412, 2423, 2425 **ENVR** 1401, 1402 **GEOL** 1401, 1402, 1403, 1404, 1445, 1447 **PHYS** 1401, 1402, 1403, 1404, 1405, 1410, 1415, 1417, 2425, 2426

Social / Behavioral Sciences Component

**ANTH** 2302, 2346, 2351 **ECON** 1301, 2301, 2302 **GOVT** 2305, 2306 **HIST** 1301, 1302, 2301 **PSYC** 2301 **SOCI** 1301, 1306

Humanities / Fine Arts Component

**DANC** 2303 **ENGL** 2322, 2323, 2327, 2328, 2332, 2333, 2341 **HIST** 2311, 2312, 2321, 2322 **HUMA** 1301 **MUSI** 1306, 1307, 1310 **PHIL** 1301, 1304, 2303, 2306, 2307, 2321 **DRAM** 1310, 2361, 2362, 2366 **ARTS** 1301, 1303, 1304, 1313

Social/Behavioral Sciences

**ANTH** 2302, 2346, 2351, **ECON** 1301, 2301, 2302, **GOVT** 2305, 2306, **HIST** 1301, 1302, 2301, **PSYC** 2301, **SOCI** 1301, 1306

Speech Options - **SPCH** 1311, 1315, 1321