



AAS Robotics and Automation Technology
Guided Pathway
Effective beginning with the 2023-2024 catalog

First Year - Collin College

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

Second Year - Collin College

FIRST SEMESTER	SECOND SEMESTER
ELMT 1301 Programmable Logic Controllers	^c Social/Behavioral Sciences (see list below)
INTC 1307 Instrumentation Test Equipment	ELMT 2339 Advanced Programmable Logic Controllers
INTC 1357 AC-DC Motor Control	INTC 2359 Distributed Control Systems (Capstone)
^c Natural Sciences (see list below)	^c Humanities/Fine Arts (see list below)
RBTC 2345 Robot Application, Set-up and Testing	ELECTIVE ¹
16 credit hours	16 credit hours

AAS Industrial Automation

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

^cCore Curriculum transferrable to any public college or university in Texas.

¹Elective options CETT 1445 or ELMT 2480

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

Collin Options:

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