



AAS Industrial Automation
Guided Pathway
Effective beginning with the 2021-2022 catalog

First Year - Collin College

FIRST SEMESTER	SECOND SEMESTER
CETT 1407 Fundamentals of Electronics	^c SPCH 1321 Business and Professional Communication
^c ENGL 1301 Composition I	CETT 1409 DC-AC Circuits
CETT 1425 Digital Fundamentals	RBTC 1405 Robotic Fundamentals
TECM 1343 Technical Algebra and Trigonometry*	ELMT 1305 Basic Fluid Power
14 credit hours	14 credit hours

Second Year - Collin College

FIRST SEMESTER	SECOND SEMESTER
INTC 1307 Instrumentation Test Equipment	^c Social/Behavioral Sciences (see list below)
^c PHYS 1405 Conceptual Physics or PHYS1401	^c 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

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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.

Collin Options:

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

Humanities/Fine Arts - choose one from: **ENGL** 2322, 2323, 2327, 2328, 2332, 2333, 2341, **HIST** 2311, 2312, 2321, 2322, **HUMA** 1301, **PHIL** 1301, 1304, 2303, 2306, 2307, 2321, **ARTS** 1301, 1303, 1304, 1313, **DANC** 2303, **DRAM** 1310, 2361, 2362, 2366, **MUSI** 1306, 1307, 1310

Social/Behavioral Sciences – choose one from: **ANTH** 2302, 2346, 2351, **ECON** 1301, 2301, 2302, **GOVT** 2305, 2306, **HIST** 1301, 1302, 2301, **PSYC** 2301, **SOCI** 1301, 1306