AAS Industrial Automation
to
Bachelor of Applied Arts and Sciences
Guided Pathway
Effective beginning with the 2021 catalog

First Year - Collin College

FIRST SEMESTER	SECOND SEMESTER
CETT 1407 - Fundamentals of Electronics	^cSPCH 1321 - Business and Professional Communication
^cENGL 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
	^cMATH 1314 or other Core Math (see list below)
14 credit hours	17 credit hours

Second Year - Collin College

FIRST SEMESTER	SECOND SEMESTER
INTC 1307 - Instrumentation Test Equipment	^cECON 1301 - Introduction to Economics - 3 hours
^cPHYS 1405 - Conceptual Physics	^cHumanities/Fine Arts (see list below) - 3 hours
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.

Third Year – Texas A&M University – Commerce & Collin College

Students must fulfill TAMUC admissions requirements which can be found on the TAMUC website.

FIRST SEMESTER	SECOND SEMESTER
^c**ENG 1302 - GLB/US Written Argument / Research[1]**	^c**HIS 1302 - US History from 1865**
^c**HIS 1301 - US History to 1877**	^c**GOV / PSCI 2306 - Texas Government & Politics**
^c**GOV / PSCI 2305 - US Government and Politics**	^c**Social/Behavioral Science (see list below)**
^c**Social/Behavioral Science (see list below)**	^c**Creative Arts (see list below)**
BAAS 301 - Designing your Future Work (TAMUC)	BAAS 326 - Exploring Spreadsheets (TAMUC)

Fourth Year - <4 yr school>

FIRST SEMESTER	SECOND SEMESTER
BAAS 303 - Professional Communications	TMGT 350 - Principles of Technology Management
BAAS 345 - Leadership Techniques	BAAS 445 - Ethical Decision Making
BAAS 408 - Problem Solving with Databases	TMGT 358 - Essentials of Project Management
BAAS 351 - Planning, Budgeting and Decision Making	Upper level Elective
BAAS 443 - Professional Standards	Upper level Elective

Bachelor of Applied Arts and Sciences

Contact your advisor at TAMUC for information about applying for your Bachelor's degree.

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.

^C this course counts for the Core Curriculum at any public college or University in Texas,

All core courses show in **BOLD** in the 3rd year can be taken at Collin College

<u>Collin Options:</u>

<u>Mathematics/Natural Sciences</u> – choose one from: **MATH** 1314, 1316, 1324, 1325, 1332, 1342, 1350, 1351, 2305, 2318, 2320, 2412, 2413, 2414, 2415, **BIOL** 1406, 1407, 1408, 1409, 1414, 1415, 2401, 2402, 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.

<u>Humanities/Fine Arts</u> – choose one from: **ARTS** 1301, 1303, 1304, 1313, **DANC** 2303, **DRAM** 1310, 2361, 2362, 2366, **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.

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

<u>Speech </u>– choose one from: **SPCH** 1311, 1315, 1321.