



AAS in Electronic Engineering Technology to  
 BAAS in Manufacturing and Industrial Management  
 Industrial Management Concentration



**Guided Pathway**

Effective for the 2018-2019 Catalog

**First Year - Collin College**

FIRST SEMESTER	SECOND SEMESTER
CETT 1407 Fundamentals of Electronics	CETT 1409 DC AC Circuits
CETT 1425 Digital Fundamentals	CETT 1445 Microprocessor
ENGL 1301 Composition I	RBTC 1405 Robotic Fundamentals
TECM 1343 Technical Algebra and Trigonometry	Humanities/Fine Arts course - see list below

Total Semester Hours: 14

Total Semester Hours: 15

SUMMER
Speech elective (may be taken during another semester)

Total Semester Hours: 3

**Second Year - Collin College**

It's best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
CETT 2471 Emerging Topics in Engineering Technology	CETT 1457 Linear Integrated Circuits
INTC 1307 Instrumentation Test Equipment	ECON 1301 Introduction to Economics
PHYS 1405 Conceptual Physics	EECT 2439 Communications Circuits (Capstone)
Elective (see list below)	Elective (see list below)

Total Semester Hours: 14

Total Semester Hours: 14

See your advisor for information about applying for your degree

**AAS: Electronic Engineering Technology**

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 4336 Production Planning
*MATH 1316 Plane Trigonometry OR MATH 1342 Statistics	ENGT 3395 Project Management
ENGT 3386 Quality Management	Advanced ENGT Course
*ENGL 1302 – Composition II	*Mathematics Core Elective
*Life & Physical Science Core Elective	*Creative Arts Core Elective
SUMMER SEMESTER	
ENGT 3375 Continuous Improvement	*GOVT 2306 Texas Government
*GOVT 2305 Federal Government	

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 4346 Manufacturing Management	ENGT 4347 Metrics and Measurement (Fall Only)
Advanced ENGT Course	*Any Core Elective
Advanced Elective Course	Advanced Elective Course
Advanced Elective Course	Advanced Elective Course
*HIST1301 United States History I	*HIST 1302 United States History II

**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.

\* You may take a different course to meet this requirement. A specific list is available from your advisor.

\* This course counts for the Core Curriculum at any public college or university in Texas.

**Collin Options:**

Humanities/Fine Arts - choose one from: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343, 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

Speech – choose one from: SPCH 1311, 1315, 1321

Technical electives - choose two from: DFTG 1372, EECT 2380, or RBTC 2345