



ENGINEERING TECHNOLOGY (A.S.)

SPECIALIZATION: QUALITY

PROGRAM DESCRIPTION:

The Engineering Technology Associate in Science degree program prepares students for employment or provides additional training for persons employed in manufacturing and high technology industries. CFCC offers the Quality specialization along with a college credit certificate in Lean Six Sigma Green Belt.

The 18 credit hour technical core of this degree is closely aligned with the national Manufacturing Skill Standards Council (MSSC) Certified Production Technician (CPT) industry certification. After completing this core, students will be prepared to take the MSSC assessment for the CPT Certification. Students who have already earned the MSSC-CPT will receive 15 articulated credit-hours towards the Engineering Technology degree. The Engineering Technology Associate in Science degree program is fully transferable to four year degree granting institutions.

ASSOCIATE IN SCIENCE DEGREE (A.S.)

General Education & Engineering Technology Courses

GENERAL EDUCATION (16 credits)	Cr.	ENGINEERING TECHNOLOGY CORE (18 credits)	Cr.
ENC 1101 Freshman Composition Skills I	3	CAD ETD 2320 Computer-Aided Drafting & Design	3
Humanities Requirement	3	ELECTRONICS EET 1084 Survey of Electronics	3
MTB 1321 Technical Mathematics	3	MEASUREMENT ETI 1152 Instrument Techniques & Measurement	3
Social Sciences Requirement	3	PROCESSES ETI 1411 Manufacturing Processes	3
Biological or Physical Science with Lab	4	QUALITY ETI 1117 Introduction to Quality Control	3
		SAFETY ETI 1720 Industrial Safety	3

Specialized Track Courses

QUALITY (12 credits)

ETI 1628	Developing & Coaching Self Directed Work Teams	3	ETI 1622	Concepts of Lean Six Sigma	3
ETI 2610	Six Sigma for the Expert	3	ETI 2623	Lean Enterprise for the Expert	3

Technical Elective Courses

CGS 1100	Microcomputer Applications	3	EGN 1949	Co-op Work Experience	2
EGS 1110	Engineering Graphics	3	CIS 2513	Project Management	3
EGN 2202	Excel for Engineers	3			

COLLEGE CREDIT CERTIFICATE

LEAN SIX SIGMA GREEN BELT CERTIFICATE (12 credits)

The college credit certificate program provides training for those who already have considerable experience in manufacturing and for individuals with a degree in engineering technology who wish to train for a career in quality control.

Course Title		Cr.			Cr.
ETI 1622	Concepts of Lean Six Sigma	3	ETI 1628	Developing & Coaching Self-Directed Work Teams	3
ETI 2623	Lean Enterprise for the Expert	3	ETI 2610	Six Sigma for the Expert	3

