



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 is aligned with the Manufacturing Skills Standard Council's (MSSC) skills standards. *After completing this core students will be prepared to take the Manufacturing Skills Standards Council (MSSC) assessments for the Certified Production Technician (CPT) certification.* The Engineering Technology Associate in Science degree program is fully transferable to four year degree granting institutions.

ASSOCIATE IN SCIENCE DEGREE

GENERAL EDUCATION and ENGINEERING TECHNOLOGY CORE 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)	Cr.			
ETI 1628 Developing & Coaching Self Directed Work Teams	3			
ETI 2610 Six Sigma for the Expert	3			
ETI 1622 Concepts of Lean Six Sigma	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	

