



ENGINEERING TECHNOLOGY (A.A.S.)

SPECIALIZATIONS: ELECTRONICS, ADVANCED TECHNOLOGY

PROGRAM DESCRIPTION:

The Engineering Technology Associate in Applied Science degree program prepares students for employment or provides additional training for persons employed in manufacturing and high technology industries. BCC offers the Electronics and Advanced Technology specializations along with two college credit certificates: Applied Technology Specialist, Engineering Technology Support. 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.*

ASSOCIATE IN APPLIED SCIENCE DEGREE

GENERAL EDUCATION and ENGINEERING TECHNOLOGY CORE COURSES

GENERAL EDUCATION (18 credits)	Cr.	ENGINEERING TECHNOLOGY CORE (20 credits)	Cr.
Written Communication Requirement	3	CAD ETDC 2320 AutoCAD Fundamentals	4
Oral Communication Requirement	3	ELECTRONICS EET 1084 Introduction to Electronics	3
Humanities Requirement	3	MEASUREMENT ETIC 2851 Applied Mechanics	3
MAT 1033 Intermediate Algebra	3	PROCESSES ETIC 1830 Materials and Processes 1	4
Social/Behavioral Science Requirement	3	QUALITY ETI 2110 Introduction to Quality Assurance	3
* CGS 2100 Microcomputer Applications	3	SAFETY ETI 1701 Industrial Safety	3

Specialized Track Courses

ELECTRONICS (22 credits)	Cr.	ADVANCED TECHNOLOGY (22 credits)	Cr.
EETC 1025 Circuit Fundamentals 2	4	ETIC 2469 Composite Fundamentals	3
EETC 1141 Analog Devices	4	EETC 1610 Through-Hole and Surface-Mount Soldering	3
EETC 1142 Analog Circuits	4	EETC 2620 Advanced Surface-Mount Soldering Tech	3
CETC 1114 Digital Fundamentals	4	EST 1520 Instrumentation Fundamentals	3
<i>Technical Electives(choose from the list below)</i>	6	ESTC 1240 Fiber Optic Technologies	3
		ETI 2121 Non-Destructive and Destructive Testing	3
		<i>Technical Electives(choose from the list below)</i>	4

Technical Elective Courses

CETC 1123 Microprocessor Fundamentals	4	ESTC 1240 Fiber Optic Technologies	3
EST XXXX Alternative/Renewable Energy Technologies	3	ETD 1931 Special Topics	1-4
EETC 1610 Through-Hole and Surface-Mount Soldering	3	ETD 2941 Internship	3
EETC 2325 Electronic Comm. Systems	4	ETIC 2469 Composites Fundamentals	3
EETC 2724 Schematic Capture & Modeling	3	ETIC 2464 Advanced Composites	3
EETC 2930 Engineering Project Mngmnt	3		



ENGINEERING TECHNOLOGY
BREVARD COMMUNITY COLLEGE
2009-2010

Contact us (321) 433-5779 | hesherb@brevardcc.edu





ENGINEERING TECHNOLOGY (A.A.S.)

SPECIALIZATIONS: ELECTRONICS, ADVANCED TECHNOLOGY

COLLEGE CREDIT CERTIFICATES

APPLIED TECHNOLOGY SPECIALIST CERTIFICATE (16 credits):

This certificate program will prepare the student for entry-level employment in electronic assembly field, or to provide supplemental training for individual previously or currently employed in the field. Credits earned in this certificate will transfer into the Associate of Applied Science (A.A.S) degree in Engineering Technology.

Course Title		Cr.			Cr.
EET 1084	Introduction to Electronic	3	EETC 1610	Though-Hole & Surface-Mount Soldering	3
EETC 2620	Advanced Surface-Mount Soldering	3	EETC 1240	Fiber Optic Technologies	3
ETIC 2851	Applied Mechanics	4			

ENGINEERING TECHNOLOGY SUPPORT CERTIFICATE (20 credits)

The purpose of this certificate is to prepare students for entry-level employment with an occupational title as Engineering Support Specialist or Engineering Specialist in various specialized areas to support engineering design, manufacturing processes and production, testing, and/or maintaining product quality, or to provide supplemental training for persons previously or currently employed in these occupational areas.

Course Title		Cr.			Cr.
EET 1084	Introduction To Electronics	3	ETDC 2320	AutoCAD Fundamentals	4
ETIC 1830	Materials and Processes 1	3	ETI 1701	Industrial Safety	3
ETIC 2851	Applied Mechanics	4	ETI 2110	Introduction To Quality Assurance	3

* Support Courses



ENGINEERING TECHNOLOGY
 BREVARD COMMUNITY COLLEGE
 2009-2010

Contact us (321) 433-5779 | hesherb@brevardcc.edu

