ENGINEERING TECHNOLOGY (A.S.)

SPECIALIZATIONS: ELECTRONICS, ALTERNATIVE ENERGY, BIOMEDICAL SYSTEMS

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. Broward College offers the Electronics, Alternative Energy and Biomedical Systems specializations.
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, which is endorsed by the National Association of Manufacturers' Skills Credential System. 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 (18 credits)	Cr.	ENGINEERING TECHNOLOGY CORE (18 credits)			Cr.
General Education Humanities	3	**CAD**	ETD 1320	Introduction to CAD	3
General Education Mathematics	3	**ELECTRONICS**	EET 1084C	Introduction to Electronics	3
General Education Social/Behavioral Science	3	**MEASUREMENT**	ETM 1010C	Measurement and Instrumentation	3
Composition I	3	**PROCESSES**	ETI 1420	Processes & Materials	3
Intro to Speech Communications or Intro to Public Speaking	3	**QUALITY**	ETI 1110C	Quality Assurance	3
Applied Physics	3	**SAFETY**	ETI 1701	Industrial Safety	3

Specialized Track Courses

ELECTRONICS (24 credits)

Course	Title	Cr.	Course	Title	Cr.
EET 1015C	DC Circuits	3	CET 1117C	Microprocessors I	3
EET 1025C	AC Circuits	3	EET 2142C	Linear Techniques II	3
CET 1114C	Digital Techniques I	3	EET 2326C	Electronic Communications	3
EET 1141C	Linear Techniques I	3	ETS 2542C	Programmable Logic Controllers	3

ALTERNATIVE ENERGY (24 credits)

Course	Title	Cr.	Course	Title	Cr.
EET 1015C	DC Circuits	3	CET 1117C	Microprocessors I	3
EET 1025C	AC Circuits	3	ETP 2402C	Introduction to Solar Photovoltaic Systems	3
CET 1114C	Digital Techniques I	3	ETP 2410C	Installation of Solar Photovoltaic Systems	3
EET 1141C	Linear Techniques I	3	ETS 2542C	Programmable Logic Controllers	3

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BIOMEDICAL SYSTEMS (24 credits)

Course	Title	Cr.	Course	Title	Cr.
EET 1015C	DC Circuits	3	CET 1117C	Microprocessors I	3
EET 1025C	AC Circuits	3	HSC 1531	Medical Terminology	3
CET 1114C	Digital Techniques I	3	EST 2436C	Biomedical Instrumentation I	3
EET 1015C	DC Circuits	3	ETS 2940	Biomedical Engineering Tech. Internship	3