ASSOCIATE OF SCIENCE IN ENGINEERING TECHNOLOGY - 2207
CAREER PATHWAY: INDUSTRY, MANUFACTURING, CONSTRUCTION & TRANSPORTATION (IMCT)

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General education courses are available at all BC locations. Program-specific courses for this program are offered at the North Campus and Judson A. Samuels South Campus.

Program Entrance Requirements: HS Diploma or GED

Program Description: The purpose of this program is to prepare students for employment or provide additional training for persons previously or currently employed in the manufacturing, medical, electronics, aerospace, or other related industries. This degree is a planned sequence of instruction with a common core. It is recommended that students complete the core before advancing to the courses in the next level of specialization. Topics covered include communication skills, technical competency, safe and efficient work practices, and a combination of theory and laboratory activities to gain the necessary cognitive and manipulative skills to support engineering design, processes, production, testing, and product quality. Visit the program's website for additional information.

BUILD YOUR EDUCATION

Engineering Tech Support Specialist (TC2) 6314 > Electronic Aide (TC3) 6322 > Engineering Technology AS 2207 > Bachelor Applied of Science

RECOMMENDED COURSE SEQUENCE – BIOMEDICAL TRACK A

Full Time	Part Time	Course ID	Description	Credits	TC2	TC3
Term 1	Term 1	ENC1101	Composition	3		
		EET1084C	Introduction to Electronics	3	X	X
	Term 2	ETD1320C	Basic Introduction to CAD	3	X	
		ETI1110C	Intro to Quality Assurance	3	X	
Term 2	Term 3	ETI1420	Process and Materials	3	X	
		ETI1701	Safety	3	X	
	Term 4	ETM1010C	Measurement and Instrumentation	3	X	
		EET1015C	DC Circuits	3		X
Term 3	Term 5	CET1114C	Digital Techniques	3		
		GE Course	General Education Mathematics (MAC1105 recommended)	3		
Term 4	Term 6	GE Course	General Education Speech	3		
		GE Course	General Education Science (PHY1001 recommended)	3		
	Term 7	EET1025C	AC Circuits	3		X
		EET1141C	Linear Techniques I	3		X
Term 5	Term 8	HSC1531	Medical Terminology	3		
		CET1117C	Microprocessors I	3		
	Term 9	GE Course	General Education Social/Behavioral Science	3		
		GE Course	General Education Humanities	3		
Term 6	Term 10	ETS2436C	Biomedical Instrumentation	3		
		ETS2940	Biomedical Engineering Technology Internship *	3		
Total Program Credit Hours				**60**	**18**	**12**

Notes: * Additional fee related to background check and insurance required for on-site work at a medical facility applies. Amount varies.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

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RECOMMENDED COURSE SEQUENCE – ELECTRONICS TRACK B

Full Time	Part Time	Course ID	Description	Credits	TC2	TC3
Term 1	Term 1	ENC1101	Composition I	3		
		EET1084C	Introduction to Electronics	3	X	X
	Term 2	ETD1320C	Basic Introduction to CAD	3	X	
		ETI1110C	Intro to Quality Assurance	3	X	
Term 2	Term 3	ETI1420	Process and Materials	3	X	
		ETI1701	Safety	3	X	
	Term 4	ETM1010C	Measurement and Instrumentation	3	X	
		EET1015C	DC Circuits	3		X
Term 3	Term 5	CET1114C	Digital Techniques	3		
		GE Course	General Education Mathematics (MAC1105 recommended)	3		
Term 4	Term 6	GE Course	General Education Speech	3		
		GE Course	General Education Science (PHY1001 recommended)	3		
	Term 7	EET1025C	AC Circuits	3		X
		EET1141C	Linear Techniques I	3		X
Term 5	Term 8	GE Course	General Education Humanities	3		
		CET1117C	Microprocessors I	3		
	Term 9	EET2142C	Linear Techniques II	3		
		GE Course	General Education Social/Behavioral Science	3		
Term 6	Term 10	EET2326C	Electronic Communications	3		
		ETS2542C	Programmable Logic Controllers	3		
Total Program Credit Hours				**60**	**18**	**12**

This is only a <u>recommended</u> course sequence. Students are strongly encouraged to meet with an <u>advisor</u> to create a personalized educational plan.

CHOOSE YOUR COURSES

BROWARD COLLEGE®

| CNC Machinist (TC1) 6349 | Engineering Tech Support Specialist (TC2) 6314 | Engineering Technology AS 2207 | Bachelor Applied of Science |

RECOMMENDED COURSE SEQUENCE – CNC MACHINING TRACK D

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
Term 1	Term 1	ENC1101	Composition	3		
		EET1084C	Introduction to Electronics	3		X
	Term 2	ETD1320C	Basic Introduction to CAD	3		X
		ETI1110C	Intro to Quality Assurance	3		X
Term 2	Term 3	ETI1420	Process and Materials	3		X
		ETI1701	Safety	3	X	X
	Term 4	ETM1010C	Measurement and Instrumentation	3		X
		EET1015C	DC Circuits	3		
Term 3	Term 5	CET1114C	Digital Techniques	3		
		GE Course	General Education Mathematics (MAC1105 recommended)	3		
Term 4	Term 6	PMT1203C	Introduction to Machining	3	X	
		GE Course	General Education Science (PHY1001 recommended)	3		
	Term 7	EET1025C	AC Circuits	3		
		EET1141C	Linear Techniques I	3		
Term 5	Term 8	PMT2213C	Advanced Machining I	3	X	
		CET1117C	Microprocessors I	3		
	Term 9	GE Course	General Education Humanities	3		
		GE Course	General Education Social/Behavioral Science	3		
Term 6	Term 10	PMT2214C	Advanced Machining II	3	X	
		GE Course	General Education Speech	3		
Total Program Credit Hours				**60**	**12**	**18**

This is only a _recommended_ course sequence. Students are strongly encouraged to meet with an _advisor_ to create a personalized educational plan.

CHOOSE YOUR COURSES

RECOMMENDED COURSE SEQUENCE – ADVANCED MANUFACTURING TRACK E

Full Time	Part Time	Course ID	Description	Credits	TC4	TC5	TC6	TC7
Term 1	Term 1	ENC1101	Composition	3				
		EET1084C	Introduction to Electronics	3			x	x
	Term 2	ETD1320C	Basic Introduction to CAD	3				x
		ETI1110C	Intro to Quality Assurance	3		x		
Term 2	Term 3	ETI1420	Process and Materials	3			x	x
		ETI1701	Safety	3		x		x
	Term 4	ETM1010C	Measurement and Instrumentation	3				x
		ETI2644	Production & Inventory Control	3	x	x		x
Term 3	Term 5	ETM2315C	Hydraulics & Pneumatics	3	x		x	x
		GE Course	General Education Mathematics (MAC1105 recommended)	3				x
Term 4	Term 6	GE Course	General Education Speech	3				x
		ETI2535C	Automated Process Control	3			x	
	Term 7	ETS2542C	Programmable Logic Controllers	3	x			
		SCM2360	Six Sigma Yellow Belt Body of Knowledge	3		x		
Term 5	Term 8	ETS2527	Electromechanical Systems	3	x			x
		ETD1103C	Engineering Graphics with CAD	3				
	Term 9	GE Course	General Education Humanities	3				
		GE Course	General Education Social/ Behavioral Science	3				
Term 6	Term 10	SCM1020	Manufacturing & Service Operations	3				
		GE Course	General Education Science (PHY1001 recommended)	3				
Total Program Credit Hours				**60**	**12**	**12**	**12**	**30**

This is only a <u>recommended</u> course sequence. Students are strongly encouraged to meet with an <u>advisor</u> to create a personalized educational plan.

CHOOSE YOUR COURSES

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RECOMMENDED COURSE SEQUENCE – SUPPLY CHAIN AUTOMATION TRACK F

Full Time	Part Time	Course ID	Description	Credits	TC6
Term 1	Term 1	ENC1101	Composition	3	
		EET1084C	Introduction to Electronics	3	X
	Term 2	ETD1320C	Basic Introduction to CAD	3	
		ETI1110C	Intro to Quality Assurance	3	
Term 2	Term 3	ETI1420	Process and Materials	3	X
		ETI1701	Safety	3	
	Term 4	ETM1010C	Measurement and Instrumentation	3	
		ETI2644	Production & Inventory Control	3	
Term 3	Term 5	ETM2315C	Hydraulics & Pneumatics	3	X
		GE Course	General Education Mathematics (MAC1105 recommended)	3	
Term 4	Term 6	GE Course	General Education Speech	3	
		GE Course	General Education Science (PHY1001 recommended)	3	
	Term 7	ETS2542C	Programmable Logic Controllers	3	
		SCM1161	Supply Chain Management	3	
Term 5	Term 8	SCM2221	Warehouse Operations	3	
		ETD1103C	Engineering Graphics with CAD	3	
	Term 9	GE Course	General Education Humanities	3	
		GE Course	General Education Social/Behavioral Science	3	
Term 6	Term 10	ETS1511	Motors and Controls	3	
		ETI2535C	Automated Process Control	3	X
Total Program Credit Hours				**60**	**12**

Notes: Students who complete the AS in Engineering Technology program must successfully meet the Digital Literacy requirement.

This is only a <u>recommended</u> course sequence. Students are strongly encouraged to meet with an <u>advisor</u> to create a personalized educational plan.

CHOOSE YOUR COURSES

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COLLEGE CATALOG 2021-2022
BROWARD.EDU

PROGRAM HIGHLIGHTS

CREDIT FOR PRIOR LEARNING

Accelerate your path to completion with these options:

- Credit by exam
- Earned industry certifications
- Prior Learning Assessment
- And much more…

RELATED INDUSTRY CERTIFICATIONS

Upon completing this program, graduates will be eligible to sit for the following industry certifications/licenses

- NMSSC Certified Production Technician

GET AN INTERNSHIP

After completing your first year of coursework make sure to visit the **Career Center** for internship opportunities that help you take your career to the next level! Also, explore hundreds of career videos and career profiles through Virtual Job Shadow!

Get an Internship   Virtual Job Shadow Tool

MEDIAN WAGE AND JOB GROWTH OUTLOOK

Broward College has Career Insight. It is designed to help you find a good career by providing the most current local data on wages, employment, job postings, and associated education and training.

FUND YOUR EDUCATION

This program is Financial Aid eligible. Scholarships may be available.

GET STARTED TODAY!

START APPLICATION

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COLLEGE CATALOG 2021-2022
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