Associate of Science in Engineering Technology – 2207

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.

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 consisting of the three specializations; electronics, alternative energy, and biomedical systems with one common core. It is recommended that students complete the core before advancing to the courses in the next level of specialization. The coverage includes 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

CNC Machinist (TC1) 6349 → Engineering Tech Support Specialist (TC2) 6314 → Electronic Aide (TC3) 6322 Options B&C → Alternative Energy Sys. Specialist (TC4) 6325 - Option C → Engineering Technology AS 2207 → Bachelor of Applied Science

Recommended Course Sequence - Year 1

Full Time	Part Time	Course ID	Description	Credits	TC
Term 1	Term 1	ENC1101	Composition I	3	
		EET1084C	Introduction to Electronics	3	
	Term 2	ETD1320	Basic Introduction to CAD	3	
		ETI1110C	Intro to Quality Assurance	3	
Term 2	Term 3	ETI1420	Process and Materials	3	
		ETI1701	Safety	3	
	Term 4	ETM1010C	Measurement and Instrumentation	3	TC2
		EET1015C	DC Circuits	3	
Term 3	Term 5	CET1114C	Digital Techniques	3	
		GE Course	General Education Mathematics	3	

Recommended Course Sequence - Year 2

Select One Specialization for the Second Year (A, B, C, or D)

Full Time	Part Time	Course ID	Description	Credits	TC
Specialization A) Biomedical					
Term 4	Term 6	SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3	
		PHY1001	Applied Physics I	3	
	Term 7	EET1025C	AC Circuits	3	
		EET1141C	Linear Techniques I	3	
Term 5	Term 8	HSC1531	Medical Terminology	3	
		CET1117C	Microprocessors I	3	
	Term 9	GE Course	General Education Social 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	

Full Time	Part Time	Course ID	Description	Credits	TC
Specialization B) Electronics					
Term 4	Term 6	SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3	
		PHY1001	Applied Physics I	3	
	Term 7	EET1025C	AC Circuits	3	
		EET1141C	Linear Techniques I	3	
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 Science	3	
Term 6	Term 10	EET2326C	Electronic Communications	3	
		ETS2542C	Programmable Logic Controllers (L)	3	TC3
Total Program Credit Hours				60	

Full Time	Part Time	Course ID	Description	Credits	TC
Specialization C) Alternative Energy					
Term 4	Term 6	SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3	
		PHY1001	Applied Physics I	3	
	Term 7	EET1025C	AC Circuits	3	
		EET1141C	Linear Techniques I	3	
Term 5	Term 8	ETP2402C	Introduction to Solar Photovoltaic (PV) Systems	3	
		CET1117C	Microprocessors I	3	
	Term 9	GE Course	General Education Humanities	3	
		GE Course	General Education Social Science	3	
Term 6	Term 10	ETP2410C	Installation of Solar Photovoltaic (PV) Systems	3	TC4
		ETS2542C	Programmable Logic Controllers (L)	3	TC3
Total Program Credit Hours				60	

Full Time	Part Time	Course ID	Description	Credits	TC
Specialization D) CNC Machining Specialization					
Term 4	Term 6	PMT1203C	Introduction to Machining	3	
		PHY1001	Applied Physics I	3	
	Term 7	EET1025C	AC Circuits	3	
		EET1141C	Linear Techniques I	3	
Term 5	Term 8	PMT2213C	Advanced Machining I	3	
		CET1117C	Microprocessors I	3	
	Term 9	GE Course	General Education Humanities	3	
		GE Course	General Education Social Science	3	
Term 6	Term 10	PMT2214C	Advance Machining II	3	TC1
		SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3	
Total Program Credit Hours				60	

Notes: *Student may have to take MAT1033 or STA1001 based on placement score. The student's eligible for Federal Financial Aid for the MAT1033/STA1001 course may be limited. Students who complete the AS in Engineering Technology program will successfully meet the college's Computer Competency requirement.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Program Highlights

Credit for Prior Learning: Accelerate your path to completion with these options:

- Credit by exam
- 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:

- *MSSC 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!

Median Wage and Job Growth Outlook: Broward College has Career Coach! 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.
This program is part of the Career Source Broward ITA List.

Get Started Today!

START APPLICATION