ENGINEERING TECHNOLOGY, ASSOCIATE OF SCIENCE - SUPPLY CHAIN AUTOMATION

Program Code: 2207F
Career Pathway: Industry, Manufacturing, Construction & Transportation

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. (https://www.broward.edu/about/locations/)
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 (http://www.broward.edu/academics/programs/engineering/Pages/default.aspx) for additional information.

1. Pneumatics Hydraulics, Technical Certificate 6368
2. Engineering Technology, Associate of Science - Supply Chain Automation 2207F
3. Bachelor of Science

Course	Title	Credits	6368
Course EET1084C	Title INTRODUCTION TO ELECTRONICS	Credits 3	6368 X
Course SCM1161	Title SUPPLY CHAIN MANAGEMENT	Credits 3	6368
Course ETD1320C	Title BASIC CAD	Credits 3	6368
Course SCM2221	Title WAREHOUSE OPERATIONS	Credits 3	6368
Course ETI2644	Title PRODUCTION AND INVENTORY CONTROL	Credits 3	6368
Course ETM2315C	Title HYDRAULICS AND PNEUMATICS	Credits 3	6368 X
Course ETI1701C	Title SAFETY	Credits 3	6368
Course ENC1101	Title COMPOSITION I	Credits 3	6368
Course ETD1103C	Title ENGINEERING GRAPHICS WITH CAD	Credits 3	6368
Course ETM1010C	Title MEASUREMENT AND INSTRUMENTATION	Credits 3	6368
Course GE Course	Title General Education Speech	Credits 3	6368
Course GE Course	Title General Education Natural Science Core	Credits 3	6368
Course GE Course	Title General Education Mathematics Core (MAC1105 recommended)	Credits 3	6368
Course AMH2010 or AMH2020 or POS2041	Title HISTORY OF THE UNITED STATES TO 1877 or HISTORY OF THE UNITED STATES SINCE 1877 or NATIONAL GOVERNMENT	Credits 3	6368
Course ETS2542C	Title PROGRAMMABLE LOGIC CONTROLLERS	Credits 3	6368
Course ETI1110C	Title INTRODUCTION TO QUALITY ASSURANCE	Credits 3	6368
Course ETS1511	Title MOTORS AND CONTROLS	Credits 3	6368

Course GE Course	Title General Education Humanities Core	Credits 3	6368
Course ETI1420C	Title PROCESSES AND MATERIALS	Credits 3	6368 X
Course ETI2535C	Title AUTOMATED PROCESS CONTROL	Credits 3	6368 X
Total Credits		60	6368 12

Notes:

See General Education course information here (https://catalog.broward.edu/academic-affairs/associate-science-general-education-graduation-requirements/).

Students must satisfy the Digital Literacy requirement by testing out, completing a Credit for Prior Learning portfolio, or passing CGS1060C COMPUTER AND INTERNET LITERACY.

In accordance with Florida Statute and Florida Administrative Code, students may need to satisfy the Civic Literacy Graduation Requirement. Visit the Civic Literacy Graduation Requirement page at broward.edu/civic-literacy (https://students.broward.edu/resources/civic-literacy/).

Students are strongly encouraged to meet with an advisor (https://students.broward.edu/resources/advising/) to create a personalized educational plan.

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 Employment Solutions (https://broward.edu/career/) for internship opportunities and helpful tools like virtual job shadow, to help take your career to the next level!

- Get an Internship (http://broward.edu/studentresources/career/Pages/Find-a-job-or-internship.aspx)
- Virtual Job Shadow Tool (http://www.broward.edu/studentresources/career/Pages/default.aspx)

MEDIAN WAGE AND JOB GROWTH OUTLOOK

Broward College has Career Coach (https://www.broward.edu/careercoach/)! 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 (https://www.broward.edu/admissions/financial-aid/) eligible. Scholarships (https://www.broward.edu/admissions/financial-aid/scholarships/) may be available.

PROGRAM LEARNING OUTCOMES

Graduates from this program will:

- Students will be able to recognize the role of, attitudes, beliefs, behaviors, and ethics in what we know and what we do, as well as understand the importance of quality in modern business scenarios to individuals, organizations, customers, suppliers, and society.
- Graduates will be able draft various designs for electric circuits and mechanical diagrams.
- Graduates will be able to calculate the inductance of electrical circuits.
- Graduates will be able be to demonstrate knowledge of Occupational Safety and Health Administration (OSHA) standards.
- Upon completion of this course, students will be able to troubleshoot an electronic circuit and find the fault within the circuit.

- Graduates will be able to calculate the capacitance of electrical circuits.
- Graduates will be able to accurately identify calibration requirements for tools.
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