North Florida COMMUNITY COLLEGE
Small College. Big Possibilities.

ENGINEERING TECHNOLOGY ASSOCIATE IN SCIENCE DEGREE

PROGRAM DESCRIPTION

The Engineering Technology (ET) Associate in Science (A.S.) degree program at North Florida Community College (NFCC), prepares students for employment or provides additional training for persons employed in manufacturing and high technology industries**.** 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, and endorsed by the National Association of Manufacturers (NAM). 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.

ENGINEERING TECHNOLOGY A.S. (60 Credits)

NFCC ET DEGREE SPECIALIZATIONS: Advanced Manufacturing.

ET TECHNICAL CORE (18 credits)
The ET core provides technical fundamentals for the ten specializations tracks of the ET Degree that supports many manufacturing and high technology industry sectors.
The ET technical core includes: CAD, Electronics, Measurement, Manufacturing Processes, Quality and Safety.

COLLEGE CREDIT CERTIFICATES

ENGINEERING TECHNOLOGY SUPPORT SPECIALIST (18 credits)
This certificate prepares students for specialized areas supporting engineering design, manufacturing processes and production, testing, and/or maintaining product quality.

LEAN MANUFACTURING (12 credits)
This certificate prepares students for engineering technology support positions dealing with quality systems and their implementation in high technology production, manufacturing, distribution, engineering, and research and development facilities.

MECHATRONICS (30 credits) new
The purpose of this certificate program is to prepare students for initial employment with an occupational title as Mechatronics Technician or System Integration Specialist in various specialized areas, or to provide supplemental training for persons previously or currently employed in these occupations. Mechatronics is a cutting edge field that combines the study of electronics, mechanical systems, control systems, and computers into one program.

PNEUMATIC, HYDRAULICS AND MOTORS FOR MANUFACTURING (12 credits)
This certificate provides a series of courses that focuses on the concepts, theories of operation, and equipment used in manufacturing and other industrial operations. The program covers the setup, operation, maintenance and troubleshooting of pneumatic, hydraulic and electromechanical components and systems, AC and DC circuit theory, circuit design and operation, circuit analysis and troubleshooting, and industrial processes and materials.

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For more information visit North Florida Community College ET program at:
https://www.nfcc.edu/academics/programs-of-study/as-degree/engineering-technology/index
Contact the Engineering Technology Department at (850) 973-9440