



ENGINEERING TECHNOLOGY ASSOCIATE IN SCIENCE DEGREE PROGRAM DESCRIPTION

The Engineering Technology (ET) Associate in Science (A.S.) degree program at South Florida State College (SFSC), 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)

SFSC 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

AUTOMATION (15 Credits)

This certificate prepares student for engineering technology support positions dealing with PLCs, automation, and control systems in high tech production, manufacturing, distribution, and engineering research and development facilities.

COMPUTER NUMERICAL CONTROL (CNC) MACHINIST (12 credits)

This certificate prepares students for engineering technology support positions dealing with facilities operations and maintenance in high technology production, manufacturing, distribution, engineering, and research and development facilities.

ENGINEERING TECHNOLOGY SUPPORT SPECIALIST (21 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.



For more information visit Daytona State College ET program at:

<https://www.southflorida.edu/current-students/degrees-programs/academics/mechatronics/engineering-technology-as>

Contact the Engineering Technology Department at (863) 784-7424





PNEUMATICS, HYDRAULICS & MOTORS FOR MANUFACTURING (18 Credits)

This certification prepares students for entry-level technical jobs in high tech production, manufacturing, distribution and engineering research and development facilities.



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