



ENGINEERING TECHNOLOGY ASSOCIATE IN SCIENCE DEGREE PROGRAM DESCRIPTION

The Engineering Technology (ET) Associate in Science (A.S.) degree program at Broward College (BC) 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 AS (60 Credits)

BC ET DEGREE SPECIALIZATIONS: Alternative Energy, Biomedical Systems, Electronics

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

ALTERNATIVE ENERGY SYSTEMS SPECIALIST (18 credits)

This certificate program will prepare students to meet the industry-specific skills needed for technicians in the new and emerging alternative and renewable energy fields, including occupational titles such as Electrical Engineering Technician, Industrial Engineering Technician, Solar Photovoltaic Installer and Solar Power Plant Technician, Solar Thermal Installer and Technician, Energy Auditor, and Smart Grid Technician.

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.

ELECTRONICS AIDE (12 Credits)

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster.

ENGINEERING TECHNOLOGY SUPPORT SPECIALIST (18 credits)

This certificate prepare students for entry-level employment with an occupational title such as Engineering Support Specialist or Engineering Specialist to support engineering design, manufacturing processes and production, test and/or maintain product quality, or to provide supplemental training for persons previously or currently employed in these occupational areas.

