



ENGINEERING TECHNOLOGY ASSOCIATE IN SCIENCE DEGREE PROGRAM DESCRIPTION

The Engineering Technology (ET) Associate in Science (A.S.) degree program, 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)

SCF ET DEGREE SPECIALIZATION: Alternative Energy, Electronics, Digital Design & Modeling

ET TECHNICAL CORE (18 credits):

The ET core provides technical fundamentals for the ET Degree ten specializations tracks that support manufacturing and Industry sectors.

The technical common core includes: CAD, Electronics, Measurement, Manufacturing Processes, Quality and Safety.

COLLEGE CREDIT CERTIFICATES

ALTERNATIVE ENERGYSYSTEMS SPECIALIST (18 credits)

This certificate prepares 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 technician, industrial engineering technician, solar photovoltaic installer and solar power plant technician, solar thermal installer and technician, energy auditor and smart grid technician. This program also provides supplemental training for persons previously or currently employed in occupations related to energy production, distribution, and storage.

COMPUTER-AIDED DESIGN & DRAFTING (24 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.

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 prepares students for specialized areas supporting engineering design, manufacturing processes and production, testing, and/or maintaining product quality.