



**ENGINEERING TECHNOLOGY ASSOCIATE IN SCIENCE DEGREE
PROGRAM DESCRIPTION**

The Engineering Technology (ET) Associate in Science (A.S.) degree program Pensacola State College (PSC), 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)

PENSACOLA STATE COLLEGE ET DEGREE SPECIALIZATIONS: Advanced Manufacturing (New), Mechanical Design and Fabrication.

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

COMPUTER NUMERICAL CONTROL (CNC) MACHINIST OPERATOR/PROGRAMMER (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.

COMPUTER NUMERICAL CONTROL (CNC) MACHINIST/FABRICATOR (12 credits)

This certificate program will prepare students to meet the industry-specific skills needed for a manufacturing environment where machines do much of the labor, the human touch is needed to ensure consistent productivity and high quality goods. Computer numerical controlled (CNC) equipment operators set up and operate a variety of machines to produce precision parts and instruments. Machinists apply the knowledge of mechanics, mathematics, metal properties, layout, and machining procedures to fabricate parts and assemblies, repair machine tools, and maintain and troubleshoot industrial equipment.

MECHANICAL DESIGNER & PRORAMMER (12 credits)

This certificate provides training for those who are interested in 3D Mechanical Design and 2D & 3D tool path Processing, CNC Machining, individuals with a degree, or those who are working towards a degree in engineering technology.

