Quality Assurance Technology (QAT)

QAT 1040  Geometric Dimensioning and Tolerancing - Principles and Applications .........................................................3 Credit Hours

English/ESL Placement: Placement into ENG 1060 or higher (or placement into ESL 2510 or higher for students taking the ESL sequence of courses).

Prerequisite: DDT 1000 or TED 1030; or consent of instructor.

The student will learn the principles of Geometric Dimensioning and Tolerancing as applied to engineering design, manufacturing and quality control. The course will include geometric concepts and standards used to communicate engineering design intent and to provide a basis for design of quality and production systems. The student will be introduced to national and international geometric standards of form, profile, orientation, runout and locational tolerances. Applications will include computerization techniques and coordinate measurement machine (CMM) usage.

BILLABLE CONTACT HOURS: 3