Technical Studies (A.A.S.)

Division of Mathematics, Engineering Technologies and Computer Sciences — Curriculum Code: 5304

Will Earn Upon Program Completion: Associate in Applied Science (A.A.S.) Degree

Technical Studies is a unique degree program designed to ensure the validity of nontraditional learning and promote adult access to and success in postsecondary education and the workforce. By majoring in Technical Studies, you can transfer in approved credits from certified apprenticeship training programs and earn a college degree.

Program Requirements

GENERAL EDUCATION REQUIREMENTS (22 -23 CREDITS)

Written & Oral Communication (6 credits)

ENG 101 (3 credits)

ENG 102 or ENG 105 (one 3-credit course)

Quantitative Knowledge & Skills (3 – 4 credits)

Choose one of the following mathematics courses: MTH 100MTH 101MTH 103MTH 109MTH 113MTH 114MTH 119MTH 120MTH 121or MTH 122MTH 127MTH 136MTH 213MTH 221MTH 222 or MTH 231 (one or two 3- or 4-credit courses)

Scientific Knowledge & Reasoning (4 credits)

Choose one of the following lab science courses: BIO 101BIO 102BIO 103BIO 104BIO 121BIO 122CHM 101CHM 102CHM 103CHM 104PHY 101PHY 102PHY 103PHY 104PHY 113 or PHY 114 (one 4-credit course)

Society & Human Behavior (6 credits)

Choose two of the following courses: ANT 101ANT 105ECO 101ECO 102POL 101POL 104PSY 101PSY 102PSY 219SOC 101SOC 108 or SOC 219 (two 3-credit courses)

Historical Perspective (3 credits)

Choose one of the following history courses: HST 101HST 102HST 111HST 112HST 121HST 122HST 131HST 132HST 134HST 135HST 136HST 137HST 161 or HST 162 (one 3-credit course)

MAJOR COURSE REQUIREMENTS (24 CREDITS)

Technical Studies electives* (total of 25 credits)

Note: 25 Technical Studies elective credits may be earned as block credits for certified apprenticeship training programs.

ADDITIONAL COURSE REQUIREMENTS

Technical courses** (total of 13 credits)

*** Note: 13 additional technical credits taken at Essex County College. Technical credits may be earned from college-level courses in science, technology, engineering, and mathematics having the following prefixes: CSC, CIS, MET, CET, ELC, ARC, and ENR.*

RECOMMENDED SEQUENCE OF COURSES

Total Credits Required for Degree: 60 – 61

The sequence of courses will be determined on an individual basis – see an ETCS Division academic advisor (faculty member) for details.

NOTES:

(1) The two General Education Integrated Course Goals, Ethical Reasoning & Action and Information Literacy, are both addressed by the required curriculum described above, regardless of specific choices made by the individual student.

(2) This plan assumes the completion of all required developmental courses in Reading, English, and Mathematics as well as other pre-requisites and co-requisites for some of the courses, as listed in the Course Descriptions section.