

Technical Specialist

Technical Certificate

TC31

Curriculum

Required Courses:	6
COMP 1000 Introduction to Computer Literacy (3)	
ENGL 1101 Composition and Rhetoric (3)	
Occupational Electives: <i>Select nine credit hours.</i>	9
<i>Select nine credit hours from the Occupational Course Electives list.</i>	
<i>Students should coordinate with a faculty advisor to design coursework focused on a specific academic goal or career path.</i>	
General Education Courses	21
Humanities/Fine Arts Elective: <i>Select TWO courses below.</i>	6
ARTS 1101 Art Appreciation (3)	
ENGL 2130 American Literature (3)	
MUSC 1101 Music Appreciation (3)	
HUMN 1101 Introduction to Humanities (3)	
Social/Behavioral Science: <i>Select TWO courses below.</i>	6
PSYC 1101 Introductory Psychology (3)	
ECON 1101 Principles of Economics (3)	
ECON2105 Macroeconomics (3)	
ECON 2106 Microeconomics (3)	
SOC1 1101 Introduction to Sociology (3)	
POLS 1101 American Government (3)	
HIST 1111 World History I (3)	
HIST 1112 World History II (3)	
HIST 2111 U.S. History I (3)	
HIST 2112 U.S. History II (3)	
Natural Sciences/Mathematics: <i>Select ONE course below.</i>	3
MATH 1101 Mathematical Modeling (3)	
MATH 1111 College Algebra (3)	
MATH 1112 College Trigonometry (3)	
MATH 1113 Precalculus (3)	
BIOL 1111 Biology I (3) + BIOL 1111 Lab (1)	
CHEM 1211 Chemistry I (3) + CHEM 1211 Lab I (1)	
PHYS 1110 Conceptual Physics (3) + PHYS 1110 Lab (1)	
General Education Electives: <i>Select six credit hours.</i>	6
<i>Any Humanities, Social/Behavioral, or Natural Science/Mathematics course listed above, but not yet taken.</i>	
Total Credit Hour (minimum):	36

General Education Core

Any General Education Core course listed above, but not yet taken, OR,
BIOL 1112 Biology II (3) and BIOL 1112L Lab (1) MATH 1131 Calculus I (4)
BIOL 2113 Anatomy + Physiology I (3) and BIOL MATH 1132 Calculus II (4)
2113L Lab (1) PHYS 1112 Introductory Physics II (3) + PHYS
BIOL 2114 Anatomy + Physiology II (3) and BIOL 1112L Lab (1)
2114L Lab (1) PSYC 2103 Human Development (3)
BIOL 2117 Introduction to Microbiology (3) + BIOL PSYC 2250 Abnormal Psychology (3)
2117L Lab (1)

Accounting

ACCT 1125 Individualized Tax Accounting (3)
ACCT 2145 Personal Finance (3)

AIRC 1005 Refrigeration Fundamentals (4)
AIRC 1030 HVACR Electrical Fundamentals (4)
AIRC 1050 HVACR Electrical Components and
Controls (4)

Allied Health

ALHS 1011 Structure and Function of the Human
Body (5)
ALHS 1060 Diet and Nutrition (2)
ALHS 1090 Medical Terminology (2)

Automotive Technology

AUTT 1010 Automotive Technology Introduction
(2)

Building Automation Systems

BUAS 1020 BAS Electrical Concepts I (3)

Computer Information Systems Technology

CIST 1001 Computer Concepts (4) CIST 1601 Information Security Fundamentals (3)
CIST 1130 Operating Systems Concepts (3) CIST 2127 Comprehensive Word Processing
CIST 1200 Database Management (4) Techniques (3)
CIST 1220 Structured Query Language (SQL) (4) CIST 2128 Comprehensive Spreadsheet Techniques (3)
CIST 1305 Program Design and Development CIST 2129 Comprehensive Database Techniques (3)
(3) CIST 2130 Desktop Support Concepts (2)
CIST 1510 Web Development I (3)

Introduction to Computers

COMP 1000 Introduction to Computer Literacy (3)

Criminal Justice

CRJU 1010 Introduction to Criminal Justice (3)

Drafting

DFTG 1101 CAD Fundamentals (4) DFTG 1111 Fasteners (4)
DFTG 1103 Multiview/Basic Dimensioning (4) DFTG 1113 Assembly Drawings (4)
DFTG 1105 3D Mechanical Modeling (4) DFTG 1125 Architectural Fundamentals (4)
DFTG 1107 Advanced Dimensioning/Sectional DFTG 1127 Architectural 3D Modeling (4)
Views (4) DFTG 1131 Residential Drawing II (4)
DFTG 1109 Auxiliary Views/Surface Development DFTG 1133 Commercial Drawing I
(4)

Design and Media Production

- DMPT 1000 Introduction to Design (4)
- DMPT 1010 Raster Imaging (4)
- DMPT 2300 Foundations of Interface Design (4)
- DMPT 2310 Animation for Web (4)

Early Childhood Care and Education

- ECCE 1101 Introduction to Early Childhood Care and Education (3)
- ECCE 1103 Child Growth and Development (3)
- ECCE 1105 Health, Safety and Nutrition (3)
- ECCE 2202 Social Issues and Family Involvement (3)
- ECCE 2320 Program Administration and Facility Management (3)
- ECCE 2322 Personnel Management (3)
- ECCE 2330 Infant/Toddler Development (3)
- ECCE 2332 Infant/Toddler Group Care and Curriculum (3)

Electrical and Computer Engineering Technology

- ECET 2120 Electronic Circuits I (4)

Electronics Technology

- ELCR 1005 Soldering Technology (1)
- ELCR 2590 Fiber Optics Systems (3)

Engineering Technology

- ENGT 1000 Introduction to Engineering Technology (3)

Management

- MGMT 1100 Principles of Management (3)
- MGMT 1105 Organizational Behavior (3)
- MGMT 1110 Employment Rules & Regulations (3)
- MGMT 1115 Leadership (3)
- MGMT 1120 Introduction to Business (3)
- MGMT 1125 Business Ethics (3)
- MGMT 2115 Human Resource Management (3)
- MGMT 2125 Performance Management (3)
- MGMT 2130 Employee Training and Development (3)
- MGMT 2140 Retail Management (3)
- MGMT 2145 Business Plan Development (3)
- MGMT 2155 Quality Management Principles (3)
- MGMT 2205 Service Sector Management (3)
- MGMT 2210 Project Management (3)
- MGMT 2215 Team Project (3)

Marketing

- MKTG 1100 Principles of Marketing (3)
- MKTG 1130 Business Regulations and Compliance (3)
- MKTG 1160 Professional Selling (3)
- MKTG 1190 Integrated Marketing Communications (3)
- MKTG 1270 Visual Merchandising (3)
- MKTG 1370 Consumer Behavior (3)

Welding

- WELD 1000 Introduction to Welding Technology (4)