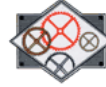




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Electronic Technology/Microcomputer Associate in Applied Science



Engineering/Manufacturing & Industrial Technology

Electronic technologists are employed in such fields as digital computer maintenance, voice and data communications, radio and television broadcasting, medical electronic instrumentation, high-tech manufacturing, research and development in laboratory settings.

Students may also work to achieve A+ certification for employment as personal computer service professionals. A+ certification is the "journeyman's card" for computer technologist, which is recognized by CompTIA. The non-profit Computing Technology Industry Association (CompTIA) is widely recognized as the standard for qualified computer service professionals.

Minimum credits:	65
Minimum cumulative GPA:	2.0
Minimum grade in all courses:	2.0
Minimum JCC credits:	12
MACRAO agreement:	No

GENERAL EDUCATION REQUIREMENTS — (19 credits)

ENGLISH — (3 credits)

ENG 131 Writing Experience	3
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MATHEMATICS — (5 credits)

MTH 131 Intermediate Algebra or higher	5
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SCIENCE — (4 credits)

BIO 131 General Biology	4
BIO 132 Human Biology	4
CEM 131 Fundamentals of Chemistry	4
CEM 141 General Chemistry I	5
GEL160 Introduction to Geology	4
NSC 131 Contemporary Science	4
PHY131 Conceptual Physics	4
PHY151 Astronomy	4

SOCIAL SCIENCE — (3 credits)

Choose one of the following:

ANT 131 Introduction to Anthropology	3
CRJ 104 Criminal Justice Psychology	3
ECN 231 Macroeconomics	3
ECN 232 Microeconomics	3
GEO 131 Physical Geography	3
HIS 131 Western Civilization to 1555	4
HIS 132 Western Civilization 1555 to Present	4
PLS 141 American National Government	3

HUMANITIES — (3 credits)

Choose one of the following:

ART 111 Art History: Prehistoric-1400	3
ART 112 Art History: Renaissance to Present	3
ENG 210 Introduction to Film	3
ENG 236 Women in a Changing Society	3
ENG 246 Short Story & Novel	4
ENG 247 Poetry and Drama	3
ENG 249 African-American Literature	3
ENG 252 Shakespeare	3
ENG 254 Children's Literature	3
ENG 255 American Literature 19th Century	3
ENG 256 American Literature 20th Century	3
ENG 257 World Literature I	3
HUM 131 Cultural Connections	3
MUS 130 Survey of Non-Western Music	3
MUS 131 Understanding Music	3
MUS 132 History of American Popular Music	3
MUS 133 Music Education	3
MUS 151 Music Theory I	4
MUS 152 Music Theory II	4
PHL 231 Intro to Philosophy	3
PHL 232 Logic	3
THR 116 Introduction to Theatre	3

HEALTH/PHYSICAL FITNESS — (1 credit)

Choose one of the following:

HPF 160 Wellness	1
HPF 168 Weight Training & Conditioning	2
HPF 221 Jazz Techniques	3
HPF 277 Stress Management	2

RELATED REQUIREMENTS — (11 credits)

CIS 170 Programming in C++	3
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AND choose 8 credits from the following: Any ELT or CIS course that best meet your educational goals.

MICROCOMPUTER CORE REQUIREMENTS — (37 credits)

BUA120 Human Relations in Business	3
CIS 012 Windows® Workshop	1
CIS 013 Operating Systems: UNIX	1
CIS 016 MS DOS® Workshop	1
CIS 101 Introduction to Computer Systems	3
CIS 160 Programming in Visual Basic.Net	3



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Guide Sheets 2006-2007

**Electronic Technology/Microcomputer
Associate in Applied Science**
(cont'd.)



**Engineering/Manufacturing &
Industrial Technology**

CIS 174 PC Repair/A+ Hardware Component.....	3
CIS 175 PC Repair/A+ Software Component	3
CIS 176 A+ Certification Exam Preparation.....	1
CIS 177 Network+ Networking Fundamentals Component....	3
CIS 179 Network+ Certification Exam Preparation.....	1
ELT 119 DC Fundamentals.....	3
ELT 124 AC Fundamentals.....	2
ELT 129 Semiconductor Devices.....	2
ELT 139 Digital Electronic Fundamentals	3
ELT 280 Digital Systems.....	4