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Climate Control Technology Associate in Applied Science



**Engineering/Manufacturing &
Industrial Technology**

Provides skills required for heating, air conditioning and refrigeration. Training areas include application techniques for basic and advanced air conditioning, heat pumps, fossil fuels, solar energy and refrigeration.

Minimum credits:	60
Minimum cumulative GPA:	2.0
Minimum grade in all courses:	2.0
Minimum JCC credits:	12
MACRAO agreement:	No

GENERAL EDUCATION REQUIREMENTS — (17 credits)

ENGLISH — (3 credits)

ENG 131 Writing Experience	3
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MATHEMATICS — (3-4 credits)

MTH 120 Beginning Algebra or higher	4
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SCIENCE — (4 credits) Choose one of the following:

BIO 131 General Biology	4
CEM 121 Chemistry of Life	4
CEM 131 Fundamentals of Chemistry	4
CEM 141 General Chemistry I	5
GEL 160 Introduction to Geology	4
NSC 131 Contemporary Science	4
PHY 131 Conceptual Physics	4
PHY 151 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 1955 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 (6 credits)

Choose two of the following:

BUS 155 Human Relations in Business	3
ENG 232 Technical & Business Writing	3
CIS 101 Introduction to Computer Systems	3

CLIMATE CONTROL CORE REQUIREMENTS — (27 credits)

CCT 117 Beginning Sheet Metal	2
CCT 118 Advanced Sheet Metal	2
CCT 121 Introduction to HVAC	3
CCT 123 Application of HVAC Technology	3
CCT 131 Basic HVAC Electricity/Controls	2
CCT 135 Refrigeration/Air Conditioning I	3
CCT 136 Refrigeration/Air Conditioning II	3
CCT 137 Advanced HVAC Electricity/Controls	2
CCT 141 Basic Heating	2
CCT 142 Advanced Heating	2
CCT 200 Mechanical Code	2
CCT 201 Refrigeration Certification	1

ADDITIONAL REQUIREMENTS

EMS 110 CPR & First Aid or current Adult CPR & First Aid Certification

ELECTIVES

Select electives from classes in any courses (except those with prefixes CED, CEU, CFO, CSS and ESL) so that degree equals 60 credits.