



ASSOCIATE IN SCIENCE

This degree is designed for students who plan to transfer to a four-year college or university to pursue a bachelor's degree. It is selected by students planning to pursue a career in such fields as engineering, medicine health sciences and other science-related professions.

NOTE: Only courses with a 2.0 or better transfer to most four-year colleges and universities. To complete The MACRAO Articulation Agreement, students need to plan their courses carefully. Completion of the associate in science degree does NOT guarantee the MACRAO designation.

Minimum credits: 62
 Minimum cumulative GPA: 2.0
 Minimum JCC credits: 12

GENERAL EDUCATION REQUIREMENTS (18 credits)

ENGLISH (3 credits)
 ENG 131 Writing Experience3

MATHEMATICS (4 credits)
 Choose one of the following:
 MTH 140 Precalculus5
 MTH 151 Analytic Geometry and Calculus I4

SCIENCE (4 credits)
 Choose one of the following:
 BIO 131 General Biology4
 BIO 132 Human Biology4
 BIO 151 General Botany4
 BIO 152 General Zoology4
 BIO 155 Human Anatomy5
 CEM 121 Chemistry of Life4
 CEM 131 General Chemistry4
 CEM 132 Organic and Biological Chemistry4
 CEM 151 General Inorganic Chemistry4
 CEM 152 Gen. Inorganic Chemistry w/ Analysis4
 GEL 160 Introduction to Geology4
 NSC 131 Contemporary Science4
 PHY 131 Our Physical World4
 PHY 151 Astronomy4
 PHY 231 College Physics I4
 PHY 251 Modern University Physics I5

SOCIAL SCIENCE (3 credits)
 Choose one of the following:
 ANT 131 Introduction to Anthropology3
 CRJ 101 Criminal Law3
 CRJ 104 Criminal Justice Psychology3
 CRJ 111 Introduction to Criminal Justice3
 CRJ 120 Human Relations for Corrections3
 CRJ 127 Corrections Law3
 ECN 231 Macroeconomics3
 ECN 232 Microeconomics3
 GEO 131 Physical Geography3
 HIS 120 Ancient History3

HIS 131 Western Civilization to 15554
 HIS 132 Western Civilization, 1555 to Present4
 HIS 231 Dev. of the U.S. through the Civil War3
 HIS 232 Dev. of the U.S. from the Civil War3
 PLS 141 American National Government3
 PSY 140 Introduction to Psychology4
 PSY 152 Social Psychology3
 PSY 251 Abnormal Psychology3
 PSY 252 Developmental Psychology3
 SOC 152 Social Psychology3
 SOC 231 Principles of Sociology3
 SOC 236* Women in a Changing Society3

HUMANITIES (3 credits)
 Choose one of the following:
 ART 111 Art History: Prehistoric - 14003
 ART 112 Art History: Renaissance - Present3
 ENG 210 Introduction to Film3
 ENG 236* Women in a Changing Society3
 ENG 246 Short Story & Novel3
 ENG 247 Poetry and Drama3
 ENG 249 African American Literature3
 ENG 252 Shakespeare3
 ENG 254 Children's Literature3
 ENG 255 American Literature 19th Century3
 ENG 256 American Literature 20th Century3
 ENG 257 World Literature I3
 HUM 131 Cultural Connections3
 MUS 130 Survey of Non-Western Music3
 MUS 131 Understanding Music3
 MUS 133 Music Education3
 MUS 151 Music Theory I4
 MUS 152 Music Theory II4
 PHL 231 Introduction to Philosophy3
 PHL 232 Logic3
 THR 116 Introduction to Theatre3

*Cannot be double-counted: prefix chosen at registration cannot be changed.



ASSOCIATE IN SCIENCE continued

HEALTH AND FITNESS (1 credit)

Choose one of the following:

HPF 160 Wellness	.1
HPF 168 Weight Training & Conditioning	.2
HPF 221 Jazz Techniques	.3
HPF 268 Advanced Weight Training	.2
HPF 277 Stress Management	.2
HPF 278 Stress Management for Parents	.2

ADDITIONAL DEGREE REQUIREMENTS (19 Credits)

WRITTEN AND ORAL COMMUNICATION (3 credits)

ENG 132 Writing Experience	.3
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NATURAL SCIENCE (16 credits)

(At least one course must be from different discipline than taken in general education.)

BIO 131 General Biology	.4
BIO 132 Human Biology	.4
BIO 151 General Botany	.4
BIO 152 General Zoology	.4
BIO 155 Human Anatomy and Physiology	.5
BIO 220 Microbiology	.4
CEM 121 Chemistry of Life	.4
CEM 131 General Chemistry	.4
CEM 132 Organic and Biological Chemistry	.4
CEM 151 General Inorganic Chemistry	.4
CEM 152 Gen Inorganic Chemistry w/ Analysis	.4
CEM 241 Organic Chemistry	.5
CEM 242 Organic Chemistry	.5
GEL 160 Introduction to Geology	.4
MTH 151 Calculus I	.4
MTH 154 Calculus II	.5
MTH 251 Calculus III	.4
MTH 254 Differential Equations	.4
PHY 131 Our Physical World	.4
PHY 151 Astronomy	.4
PHY 231 College Physics I	.4
PHY 232 College Physics II	.4
PHY 251 Modern University Physics I	.5
PHY 252 Modern University Physics II	.5

Courses cannot be counted towards both general education and additional degree requirements.

PROGRAM REQUIREMENTS

Additional courses** so that total degree equals 60 credits: Plan to visit an academic advisor to obtain a guidesheet and/or to discuss requirements for your selected program of study. Students are encouraged to choose courses that transfer as equivalent credit to four-year colleges and universities. Students are responsible to see that courses taken meet the requirements for their chosen program of study.

**Additional courses exclude continuing education courses (prefixes CED, CEU, CFO), classes offered through JCC's workforce training programs (prefixes JTI, PDI), and ENG 101, 102, 109, 110, MTH 110 and MTH 120.