

ADDENDUM TO THE 2009-2010 FRONT RANGE COMMUNITY COLLEGE PRINTED CATALOG

There are a number of corrections listed here that pertain to the recently printed college catalog. There are also some incorrect contact hours for internship classes listed in the catalog, so please see our website for those updates.

For the latest information, please view our catalog online at: www.frontrange.edu.

We apologize for any inconvenience due to these corrections.

REQUIREMENTS FOR THE ASSOCIATE OF ARTS DEGREE

► COMMUNICATIONS: 9 CREDITS

ENG 121 English Composition I.....	GT-CO1	3
ENG 122 English Composition II.....	GT-CO2	3
‡ COM 115 Public Speaking.....		3
or		
‡ COM 125 Interpersonal Communication.....		3

Note: ‡ This requirement is a Colorado Community College System requirement and is in addition to the State Guaranteed General Education Transfer Courses.

► ARTS AND HUMANITIES: 9 CREDITS

SELECT THREE COURSES, WITH NO MORE THAN TWO COURSES FROM ANY GT CATEGORY:

GT-AH1 • Arts

ART 110 Art Appreciation.....	GT-AH1	3
ART 111 Art History I.....	GT-AH1	3
ART 112 Art History II.....	GT-AH1	3
ART 207 Art 1900 to the Present.....	GT-AH1	3
DAN 125 History of Dance I.....	GT-AH1	3
MUS 120 Music Appreciation.....	GT-AH1	3
MUS 121 Music History I.....	GT-AH1	3
MUS 122 Music History II.....	GT-AH1	3
MUS 123 Survey of World Music.....	GT-AH1	3
THE 105 Introduction to Theatre Arts.....	GT-AH1	3
THE 211 Development of Theatre I.....	GT-AH1	3
THE 212 Development of Theatre II.....	GT-AH1	3

GT-AH2 • Literature and Humanities

HUM 115 World Mythology.....	GT-AH2	3
HUM 121 Early Civilizations.....	GT-AH2	3
HUM 122 From the Medieval to the Modern.....	GT-AH2	3
HUM 123 The Modern World.....	GT-AH2	3
LIT 115 Introduction to Literature.....	GT-AH2	3
LIT 201 Masterpieces of Literature I.....	GT-AH2	3
LIT 202 Masterpieces of Literature II.....	GT-AH2	3
LIT 205 Ethnic Literature.....	GT-AH2	3
LIT 211 Survey of American Literature I.....	GT-AH2	3
LIT 212 Survey of American Literature II.....	GT-AH2	3
LIT 221 Survey of British Literature I.....	GT-AH2	3
LIT 222 Survey of British Literature II.....	GT-AH2	3
LIT 225 Introduction to Shakespeare.....	GT-AH2	3
LIT 268 Celtic Literature.....	GT-AH2	3

GT-AH3 • Ways of Thinking

PHI 111 Introduction to Philosophy.....	GT-AH3	3
PHI 112 Ethics.....	GT-AH3	3
PHI 113 Logic.....	GT-AH3	3
PHI 114 Comparative Religions.....	GT-AH3	3
PHI 214 Philosophy of Religion.....	GT-AH3	3

GT-AH4 • Foreign Languages

FRE 211 French Language III.....	GT-AH4	3
FRE 212 French Language IV.....	GT-AH4	3
GER 211 German Language III.....	GT-AH4	3
GER 212 German Language IV.....	GT-AH4	3
ITA 211 Italian Language III.....	GT-AH4	3
ITA 212 Italian Language IV.....	GT-AH4	3
JPN 211 Japanese Language III.....	GT-AH4	3
JPN 212 Japanese Language IV.....	GT-AH4	3
RUS 211 Russian Language III.....	GT-AH4	3
RUS 212 Russian Language IV.....	GT-AH4	3
SPA 211 Spanish Language III.....	GT-AH4	3
SPA 212 Spanish Language IV.....	GT-AH4	3

► MATHEMATICS: 3-5 CREDITS

SELECT ONE FROM THE FOLLOWING:

MAT 120 Mathematics for the Liberal Arts (A.A. Degree only).....	GT-MA1	4
MAT 121 College Algebra.....	GT-MA1	4
MAT 122 Trigonometry.....	GT-MA1	3
MAT 123 Finite Mathematics (A.A. Degree only).....	GT-MA1	4
MAT 125 Survey of Calculus.....	GT-MA1	4
MAT 135 Introduction to Statistics (A.A. Degree only).....	GT-MA1	3
MAT 155 Integrated Mathematics I (A.A. Degree only).....	GT-MA1	3
<i>(Students must also complete MAT 156 to meet the total MA1 requirement for the A.A. Degree.)</i>		
MAT 156 Integrated Mathematics II (A.A. Degree only).....	GT-MA1	3
<i>(Students must also complete MAT 155 to meet the total MA1 requirement for the A.A. Degree.)</i>		
MAT 166 Pre-Calculus.....	GT-MA1	5
MAT 201 Calculus I.....	GT-MA1	5
MAT 202 Calculus II.....	GT-MA1	5
MAT 203 Calculus III.....	GT-MA1	4
MAT 204 Calculus III with Engineering Applications.....	GT-MA1	5
MAT 255 Linear Algebra.....	GT-MA1	3
MAT 265 Differential Equations.....	GT-MA1	3

► SOCIAL AND BEHAVIORAL SCIENCES: 9 CREDITS

SELECT THREE COURSES, ONE OF WHICH MUST BE A HISTORY COURSE FROM GT-HI1, WITH NO MORE THAN TWO COURSES FROM ANY GT CATEGORY:

GT-HI1 • History

HIS 101 History of Western Civilization I.....	GT-HI1	3
HIS 102 History of Western Civilization II.....	GT-HI1	3
HIS 111 World Civilization I.....	GT-HI1	3
HIS 112 World Civilization II.....	GT-HI1	3
HIS 201 U.S. History I.....	GT-HI1	3
HIS 202 U.S. History II.....	GT-HI1	3
HIS 236 U.S. History Since 1945.....	GT-HI1	3
HIS 247 20th Century World History.....	GT-HI1	3
HIS 249 Islamic Civilization.....	GT-HI1	3

ADDENDUM

GT-SS1 • Economics and Political Systems

ECO 101 Economics of Social Issues.....	GT-SS1	3
ECO 201 Principles of Macroeconomics	GT-SS1	3
ECO 202 Principles of Microeconomics.....	GT-SS1	3
ECO 245 Environmental Economics.....	GT-SS1	3
POS 105 Introduction to Political Science.....	GT-SS1	3
POS 111 American Government.....	GT-SS1	3
POS 205 International Relations.....	GT-SS1	3
POS 225 Comparative Government	GT-SS1	3

GT-SS2 • Geography

GEO 105 World Regional Geography.....	GT-SS2	3
GEO 106 Human Geography.....	GT-SS2	3

GT-SS3 • Human Behavior, Cultural, or Social Frameworks

ANT 101 Cultural Anthropology.....	GT-SS3	3
ANT 107 Introduction to Archaeology	GT-SS3	3
ANT 111 Physical Anthropology.....	GT-SS3	3
ANT 215 Indians of North America.....	GT-SS3	3
ETH 200 Introduction to Ethnic Studies.....	GT-SS3	3
JOU 105 Intro to Mass Media.....	GT-SS3	3
PSY 101 General Psychology I.....	GT-SS3	3
PSY 102 General Psychology II.....	GT-SS3	3
PSY 205 Psychology of Gender.....	GT-SS3	3
PSY 217 Human Sexuality.....	GT-SS3	3
PSY 226 Social Psychology	GT-SS3	3
PSY 227 Psychology of Death and Dying.....	GT-SS3	3
PSY 235 Human Growth and Development.....	GT-SS3	3
PSY 238 Child Development	GT-SS3	3
PSY 249 Abnormal Psychology	GT-SS3	3
SOC 101 Introduction to Sociology I.....	GT-SS3	3
SOC 102 Introduction to Sociology II	GT-SS3	3
SOC 205 Sociology of Family Dynamics	GT-SS3	3
SOC 215 Contemporary Social Problems.....	GT-SS3	3
SOC 216 Sociology of Gender	GT-SS3	3
SOC 220 Sociology of Religion.....	GT-SS3	3
SOC 231 Sociology of Deviant Behavior.....	GT-SS3	3
WST 200 Introduction to Women's Studies	GT-SS3	3

► PHYSICAL AND LIFE SCIENCES: 8 CREDITS

SELECT TWO COURSES: (CREDITS OVER EIGHT WILL BE APPLIED TO THE ELECTIVES CATEGORY)

AST 101 Astronomy I.....	GT-SC1	4
AST 102 Astronomy II	GT-SC1	4
BIO 105 Science of Biology (A.A. Degree only)	GT-SC1	4
BIO 111 General College Biology I with Lab.....	GT-SC1	5
BIO 112 General College Biology II with Lab.....	GT-SC1	5

BIO 201 Anatomy and Physiology I.....	GT-SC1	4
BIO 202 Anatomy and Physiology II.....	GT-SC1	4
BIO 204 Microbiology.....	GT-SC1	4
BIO 221 Botany	GT-SC1	5
CHE 101 Intro to Chemistry I with Lab (A.A. Degree only).....	GT-SC1	5
CHE 102 Intro to Chemistry II with Lab (A.A. Degree only)	GT-SC1	5
CHE 105 Chemistry in Context (A.A. Degree only).....	GT-SC1	5
CHE 111 General College Chemistry I with Lab	GT-SC1	5
CHE 112 General College Chemistry II with Lab	GT-SC1	5
ENV 101 Environmental Sciences.....	GT-SC1	4
GEO 111 Physical Geography	GT-SC1	4
GEY 111 Physical Geology	GT-SC1	4
GEY 121 Historical Geology.....	GT-SC1	4
MET 150 General Meteorology	GT-SC1	4
PHY 105 Conceptual Physics (A.A. Degree only)	GT-SC1	4
PHY 111 Physics: Algebra-Based I with Lab.....	GT-SC1	5
PHY 112 Physics: Algebra-Based II with Lab.....	GT-SC1	5
PHY 211 Physics: Calculus-Based I with Lab.....	GT-SC1	5
PHY 212 Physics: Calculus-Based II with Lab.....	GT-SC1	5
SCI 155 Integrated Science I (A.A. Degree only)	GT-SC1	4
<i>(Students must also complete SCI 156 to meet the total SC1 requirement for the A.A. Degree.)</i>		
SCI 156 Integrated Science II (A.A. Degree only).....	GT-SC1	4
<i>(Students must also complete SCI 155 to meet the total SC1 requirement for the A.A. Degree.)</i>		

STATE GUARANTEED GENERAL EDUCATION COURSES	35-37 CREDITS
COM 115 or COM 125 <i>(COLORADO COMMUNITY COLLEGE SYSTEM REQUIREMENT)</i>	3 CREDITS
ELECTIVES <i>(SELECTED FROM THE A.A. DEGREE APPROVED ELECTIVES LIST)</i>	20-22 CREDITS
TOTAL REQUIRED CREDITS FOR A.A. DEGREE	60 CREDITS
<p><i>Note: This guarantee excludes areas of concentration in Early Childhood Education, Elementary Education, Business, Engineering, Nursing and some pre-professional degrees.</i></p> <p><i>* The Colorado Guaranteed Transfer Program for General Education and the Colorado Community College System General Education requirements have been incorporated into this degree. Completion of the degree with a grade of "C" or better in every course guarantees that the student can transfer to any Colorado public four-year institution AND complete any liberal arts or science baccalaureate degree in an additional 60 credits.</i></p>	

ADDENDUM

REQUIREMENTS FOR THE ASSOCIATE OF SCIENCE DEGREE

► COMMUNICATIONS: 9 CREDITS

ENG 121 English Composition I.....	GT-CO1	3
ENG 122 English Composition II.....	GT-CO2	3
‡ COM 115 Public Speaking.....		3
or		
‡ COM 125 Interpersonal Communication.....		3

Note: ‡ This requirement is a Colorado Community College System requirement and is in addition to the State Guaranteed General Education Transfer Courses.

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ART 111 Art History I.....	GT-AH1	3
ART 112 Art History II.....	GT-AH1	3
ART 207 Art 1900 to the Present.....	GT-AH1	3
DAN 125 History of Dance I.....	GT-AH1	3
MUS 120 Music Appreciation.....	GT-AH1	3
MUS 121 Music History I.....	GT-AH1	3
MUS 122 Music History II.....	GT-AH1	3
MUS 123 Survey of World Music.....	GT-AH1	3
THE 105 Introduction to Theatre Arts.....	GT-AH1	3
THE 211 Development of Theatre I.....	GT-AH1	3
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HUM 115 World Mythology.....	GT-AH2	3
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HUM 122 From the Medieval to the Modern.....	GT-AH2	3
HUM 123 The Modern World.....	GT-AH2	3
LIT 115 Introduction to Literature.....	GT-AH2	3
LIT 201 Masterpieces of Literature I.....	GT-AH2	3
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LIT 212 Survey of American Literature II.....	GT-AH2	3
LIT 221 Survey of British Literature I.....	GT-AH2	3
LIT 222 Survey of British Literature II.....	GT-AH2	3
LIT 225 Introduction to Shakespeare.....	GT-AH2	3
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PHI 112 Ethics.....	GT-AH3	3
PHI 113 Logic.....	GT-AH3	3
PHI 114 Comparative Religions.....	GT-AH3	3
PHI 214 Philosophy of Religion.....	GT-AH3	3

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ITA 212 Italian Language IV.....	GT-AH4	3
JPN 211 Japanese Language III.....	GT-AH4	3
JPN 212 Japanese Language IV.....	GT-AH4	3
RUS 211 Russian Language III.....	GT-AH4	3
RUS 212 Russian Language IV.....	GT-AH4	3
SPA 211 Spanish Language III.....	GT-AH4	3
SPA 212 Spanish Language IV.....	GT-AH4	3

► MATHEMATICS: 3-5 CREDITS

SELECT ONE FROM THE FOLLOWING:

MAT 121 College Algebra.....	GT-MA1	4
MAT 122 Trigonometry.....	GT-MA1	3
MAT 125 Survey of Calculus.....	GT-MA1	4
MAT 166 Pre-Calculus.....	GT-MA1	5
MAT 201 Calculus I.....	GT-MA1	5
MAT 202 Calculus II.....	GT-MA1	5
MAT 203 Calculus III.....	GT-MA1	4
MAT 204 Calculus III with Engineering Applications.....	GT-MA1	5
MAT 255 Linear Algebra.....	GT-MA1	3
MAT 265 Differential Equations.....	GT-MA1	3

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HIS 102 History of Western Civilization II.....	GT-HI1	3
HIS 111 World Civilization I.....	GT-HI1	3
HIS 112 World Civilization II.....	GT-HI1	3
HIS 201 U.S. History I.....	GT-HI1	3
HIS 202 U.S. History II.....	GT-HI1	3
HIS 236 U.S. History Since 1945.....	GT-HI1	3
HIS 247 20th Century World History.....	GT-HI1	3
HIS 249 Islamic Civilization.....	GT-HI1	3

ADDENDUM

GT-SS1 • Economics and Political Systems

ECO 101 Economics of Social Issues.....	GT-SS1	3
ECO 201 Principles of Macroeconomics	GT-SS1	3
ECO 202 Principles of Microeconomics.....	GT-SS1	3
ECO 245 Environmental Economics.....	GT-SS1	3
POS 105 Introduction to Political Science.....	GT-SS1	3
POS 111 American Government.....	GT-SS1	3
POS 205 International Relations.....	GT-SS1	3
POS 225 Comparative Government	GT-SS1	3

GT-SS2 • Geography

GEO 105 World Regional Geography.....	GT-SS2	3
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PSY 226 Social Psychology	GT-SS3	3
PSY 227 Psychology of Death and Dying.....	GT-SS3	3
PSY 235 Human Growth and Development.....	GT-SS3	3
PSY 238 Child Development.....	GT-SS3	3
PSY 249 Abnormal Psychology	GT-SS3	3
SOC 101 Introduction to Sociology I.....	GT-SS3	3
SOC 102 Introduction to Sociology II	GT-SS3	3
SOC 205 Sociology of Family Dynamics	GT-SS3	3
SOC 215 Contemporary Social Problems.....	GT-SS3	3
SOC 216 Sociology of Gender	GT-SS3	3
SOC 220 Sociology of Religion.....	GT-SS3	3
SOC 231 Sociology of Deviant Behavior.....	GT-SS3	3
WST 200 Introduction to Women's Studies	GT-SS3	3

BIO 201 Anatomy and Physiology I.....	GT-SC1	4
BIO 202 Anatomy and Physiology II.....	GT-SC1	4
BIO 204 Microbiology.....	GT-SC1	4
BIO 221 Botany	GT-SC1	5
CHE 111 General College Chemistry I with Lab	GT-SC1	5
CHE 112 General College Chemistry II with Lab.....	GT-SC1	5
ENV 101 Environmental Sciences.....	GT-SC1	4
GEO 111 Physical Geography	GT-SC1	4
GEY 111 Physical Geology	GT-SC1	4
GEY 121 Historical Geology.....	GT-SC1	4
MET 150 General Meteorology	GT-SC1	4
PHY 111 Physics: Algebra-Based I with Lab.....	GT-SC1	5
PHY 112 Physics: Algebra-Based II with Lab.....	GT-SC1	5
PHY 211 Physics: Calculus-Based I with Lab.....	GT-SC1	5
PHY 212 Physics: Calculus-Based II with Lab.....	GT-SC1	5

STATE GUARANTEED GENERAL EDUCATION COURSES	35-37 CREDITS
COM 115 or COM 125 (COLORADO COMMUNITY COLLEGE SYSTEM REQUIREMENT)	3 CREDITS
ELECTIVES (SELECTED FROM THE A.S. DEGREE APPROVED ELECTIVES LIST) (A MINIMUM OF 18 OF THESE CREDITS MUST BE SELECTED FROM THE FOLLOWING DISCIPLINES: ASTRONOMY, BIOLOGY, CHEMISTRY, COMPUTER SCIENCE, ENGINEERING, GEOLOGY, MATHEMATICS, METEOROLOGY AND PHYSICS)	20-22 CREDITS
TOTAL REQUIRED CREDITS FOR A.S. DEGREE	60 CREDITS
<p>Note:</p> <p><i>This guarantee excludes areas of concentration in Early Childhood Education, Elementary Education, Business, Engineering, Nursing and some pre-professional degrees.</i></p> <p><i>* The Colorado Guaranteed Transfer Program for General Education and the Colorado Community College System General Education requirements have been incorporated into this degree. Completion of the degree with a grade of "C" or better in every course guarantees that the student can transfer to any Colorado public four-year institution AND complete any liberal arts or science baccalaureate degree in an additional 60 credits. Science degree seeking students should consult with an advisor on specific science courses needed to finish a baccalaureate degree in 60 additional credits.</i></p>	

► PHYSICAL AND LIFE SCIENCES: 8 CREDITS

SELECT TWO COURSES: (CREDITS OVER EIGHT WILL BE APPLIED TO THE ELECTIVES CATEGORY)

AST 101 Astronomy I.....	GT-SC1	4
AST 102 Astronomy II	GT-SC1	4
BIO 111 General College Biology I with Lab.....	GT-SC1	5
BIO 112 General College Biology II with Lab.....	GT-SC1	5

ADDENDUM

BUSINESS FOR TRANSFER - ASSOCIATE OF ARTS DEGREE

BUSINESS FOR TRANSFER - AREA OF CONCENTRATION (Replaces table on page 57)

Code: F_AA_AA,BSTR

Campus: Boulder County, Larimer and Westminster

This program is designed for students intending to transfer into a four-year college or university with the degree in business.

REQUIRED BUSINESS COURSES	CREDITS
ACC 121 Principles of Accounting I	4
ACC 122 Principles of Accounting II	4
BUS 115 Introduction to Business.....	3
BUS 216 Legal Environment of Business	3
BUS 217 Business Communication and Report Writing.....	3
BUS 226 Business Statistics.....	3
Total Required Business Credits	20

REQUIRED GENERAL EDUCATION COURSES	CREDITS
ECO 201 Principles of Macroeconomics (GT-SS1).....	3
ECO 202 Principles of Microeconomics (GT-SS1).....	3
ENG 121 English Composition I (GT-CO1)	3
ENG 122 English Composition II (GT-CO2).....	3
MAT 121 College Algebra (GT-MA1)	4
(or MAT 123 Finite Mathematics)	
MAT 125 Survey of Calculus (GT-MA1)	4
COM 115 Public Speaking.....	3
Arts and Humanities**	6
(courses must be from 2 different categories: AH1, AH2, AH3, AH4)	
History**	3
Science**	8

Total Required Credits for A.A. Degree. 60

Note: ** Courses must be selected from the State Guaranteed Education Course List. Credit earned through prior learning, Advanced Placement, International Baccalaureate, articulation, military, corporate, challenge exam, portfolio credit, substations, independent study, correspondence courses, CLEP and other tested-only credit may not apply and will invalidate the guaranteed transfer of AA and AS degrees. The institution to which a student transfers will evaluate these credits according to its own policies.

ADDENDUM

CRIMINAL JUSTICE STUDIES- ASSOCIATE OF GENERAL STUDIES DEGREE FOR TRANSFER TO UNC

CRIMINAL JUSTICE STUDIES-AREA OF CONCENTRATION (Replaces table on page 64)

CRIMINAL JUSTICE

Code: F_AGS_AGS, CRJ

Campus: Larimer

REQUIRED CRIMINAL JUSTICE COURSES	CREDITS
CRJ 110 Introduction to Criminal Justice	3
CRJ 125 Law Enforcement Operations	3
CRJ 145 Correctional Process.....	3
SOC 212 Research in Social Studies.....	3
<i>(Will count as an elective at UNC)</i>	
Total Required Criminal Justice Credits	12

ELECTIVE COURSES	CREDITS
<i>SELECT ADDITIONAL CREDITS FROM THE FOLLOWING COURSES (MAY BE COUNTED TOWARD DEGREE AT UNC):</i>	
CRJ 111 Substantive Criminal Law	3
CRJ 112 Procedural Criminal Law	3
CRJ 135 Judicial Function.....	3
<i>(Required at UNC for CRJ degree)</i>	
CRJ 150 Victims of Crime and Trauma	3
<i>(Required at UNC for CRJ degree)</i>	
CRJ 210 Constitutional Law.....	3
CRJ 220 Human Relations and Social Conflict.....	3
CRJ 230 Criminology.....	3
CRJ 250 Computer Crime Investigation.....	3
International Studies	3
<i>(UNC Liberal Arts Core requirement; SPA 111, 112, 211, or 212; if take SPA 211, do not count as AH-4)</i>	
Multicultural Studies.....	3
<i>(Required at UNC for Liberal Arts Core; choose from ASL 121, 122, 123, or 221; SOC 218; ETH 200 or 224; WST 200)</i>	
Selected additional Arts and Humanities, Social and Behavioral Sciences, or Physical and Life Sciences courses may also be chosen to fulfill UNC requirements. Please see an advisor.	
Total Elective Credits	19

REQUIRED GENERAL EDUCATION COURSES	CREDITS
ENG 121 English Composition I: GT-CO1	3
ENG 122 English Composition II: GT-CO2.....	3
Social Sciences*	3
<i>(select any of the FRCC GT courses; 3-6 credits from different subgroups)</i>	
Arts and Humanities*	6
<i>(select any of the FRCC GT courses including at least 2 listed subgroups; SPA 211 is recommended)</i>	
History*	3
<i>(select one of the following from the FRCC GT course list: HIS 101, 102, 111, 112, 201, 202, or 247)</i>	
MAT 135 Introduction to Statistics: GT-MA1	3
Science*	8
<i>(select two classes with different prefixes from the following list: AST 101 or 102, BIO 105 or 111, CHE 101 or 105, GEY 111 or 121, MET 150, PHY 105 or 111; one course must include a lab component)</i>	
Total Required General Education Credits	29

Total Required Credits for A.G.S. Degree 60

Note: * Courses must be selected from the State Guaranteed Education Course List

ADDENDUM

ENGINEERING FOR TRANSFER

Campus: Boulder County, Larimer and Westminster

Engineering covers a broad spectrum of occupational areas; students can build the foundation and then proceed to transfer into a program of their choice. This sequence of courses is designed for transfer into a baccalaureate degree at Colorado Universities offering programs of engineering under a statewide articulation agreement.

Go to: www.cccs.edu or to Colorado School of Mines www.mines.edu.

Two options are available for students; (1) the statewide articulation agreement is between Colorado Community College System and Colorado Institutions with Colleges of Engineering and is limited to the transfer of 32 credits. (2) A specialized transfer agreement with Colorado School of Mines (CSM) expands the number of credits you can transfer (up to 68), but only applies to CSM.

Certain conditions apply; students should consult with an advisor. For further information: www.frontrange.edu/engineering.

Option 1:

State Guaranteed General Education for Engineering

Please see the information at <http://highered.colorado.gov/Academics/Transfers> that lists all the different state 4 year engineering schools and which courses they will accept in transfer. Please also see an advisor for more information on this program.

OPTION 2:

Colorado School of Mines – Engineering for Transfer

A transfer agreement with Colorado School of Mines and Front Range Community College has been negotiated to allow a student to take their first two years of engineering courses at FRCC. Students completing the prescribed credits may transfer to Colorado School of Mines entering with junior status. Please see an advisor for more information on this program.

ADDENDUM

HORTICULTURE AND LANDSCAPE TECHNOLOGIES

IRRIGATION CONTRACTING AND MANAGEMENT CERTIFICATE (Replaces Table on page 75)

Code: F_CER_HLT2

Campus: Westminster

REQUIRED COURSES	CREDITS
CAD 101 Computer Aided Drafting I	3
HLT 120 Principles of Xeriscape	2
HLT 150 Introduction to Landscape Irrigation	2
HLT 151 Irrigation Auditing	3
HLT 235 Principles of Grading and Drainage	3
HLT 237 Landscape Construction Bidding and Estimating.....	2
HLT 240 Introductory Soil Science.....	4
HLT 245 Green Industry Business Operations.....	3
HLT 247 Irrigation Installation	4
HLT 250 Irrigation Design.....	3
Total Required Credits for Certificate.	29

ADDENDUM

NATURAL RESOURCES RECREATION CERTIFICATE

Code: F_CER_NRR

Campus: Larimer

REQUIRED COURSES	CREDITS
PER 252 Intro to Outdoor Recreation	3
NRE 265 Wilderness Education	3
<i>or NRE 225 Environmental Education</i>	
NRE 280/285 Internship/Independent Study	3
Total Required Credits for Certificate	9

Attention:

Course NRE 251 - General Oceanography is no longer offered at Front Range Community College.

ADDENDUM

AAA - Advancement of Academic Achievement

AAA 095 MATH HELPS (1)

Provides students with the opportunity to supplement their current math course with mathematical instruction individually designed to 'fill in the holes' of missing mathematical concepts. In addition, the course serves as a solid review of mathematical concepts in preparation for college level math courses. Students will study the content area needed for that student, as indicated by a diagnostic assessment.

45 Contact Hours.

ACC - Accounting

ACC 280 INTERNSHIP (1-12)

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business locations and with the direct guidance of the instructor.

45 Contact Hours PER CREDIT. Prerequisites: To be determined by the instructor

AEC - Architectural Engineering and Construction

AEC 205 APPLIED STATICS AND STRENGTHS OF MATERIALS (3)

Provides an algebra-based investigation of concepts in statics and strengths of materials. Topics include a study of fundamental mechanical properties of materials, single planar forces, properties of sections, and two-dimensional free body, shear and bending moment diagrams.

68 Contact Hours. Prerequisites: MAT 121

ALT - Animal Lab Technology

ALT 126 INTRODUCTION TO LAB ANIMAL SCIENCE (3)

Provides students with an overview of the field of laboratory animal care in its many manifestations in biomedical and agricultural research and testing and teaching.

45 Contact Hours. Prerequisite: None

ALT 226 ANIMAL CARE AND MANAGEMENT (3)

Expands and builds on topics covered in Introduction to Laboratory Animal Science. Emphasizes hands on care and management of animals currently used in biomedical research. Course highlights the feeding, breeding, health maintenance, and housing of various species. The foundation of skills necessary for Certification in Laboratory Animal Science is a focus.

45 Contact Hours. Prerequisite: None

ALT 265 ASSISTANT LAT CERTIFICATION EXAM PREPARATION (2)

Prepares students that meet the education and work requirements that qualify them for the Assistant Laboratory Animal Technician certification exam. Students will review skills and knowledge determined by the American Association of Laboratory Animal Science necessary to meet minimum competency.

30 Contact Hours. Prerequisite: None

ALT 266 LAB ANIMAL TECHNICIAN CERTIFICATION EXAM (2)

The basic principles of husbandry, facility management, and animal health and welfare covered in the ALAT preparation will be reinforced as well as advanced techniques. A more detailed understanding of welfare regulations will be emphasized. Note: the work requirements are greater than those set for the LAT exam and students must meet these before enrolling.

30 Contact Hours. Prerequisite: None

ALT 280 LAB ANIMAL INTERNSHIP (1-12)

Provides students a minimum of 135 hours of work in a biomedical research facility as coordinated by the program. Students work under the immediate supervision of experienced personnel at the institution and with the direct guidance of the instructor. Hours completed will help fulfill AALAS certification work requirements.

45 Contact Hours PER CREDIT. Prerequisite: None

ANT - Anthropology

ANT 201 INTRO TO FORENSIC ANTHROPOLOGY (3)

Studies the basic principles of forensic anthropology, an applied field within the discipline of physical anthropology. Includes the study of the human skeleton, practical application of physical anthropology and archaeology, and judicial procedure, as they relate to the identification of human remains within a medico-legal context.

45 Contact Hours.

ANT 225 ANTHROPOLOGY OF RELIGION (3)

Explores the culturally universal phenomenon of religion. Cross-cultural varieties of beliefs in the supernatural and the religious rituals people employ to interpret and control their worlds are examined.

45 Contact Hours. Prerequisite: None

ART - Art

ART 235 FIBER DESIGN II (3)

Continues instruction in fiber design (ART 135 Fiber Design I).

90 Contact Hours. Prerequisite: ART 135 or permission of department.

ART 239 COLOR PHOTOGRAPHY II (3)

Designed for students who are approaching a personal style and aesthetic in the medium of color photography. It is an extension of Color Photography I. Personal expression is stressed through individual critiques.

90 Contact Hours. Prerequisite: ART 140 or permission of department.

ART 254 SCULPTING THE FIGURE (3)

Focuses on sculpting the human figure using modeling techniques in clay.

90 Contact Hours. Prerequisite: None

BUS - Business

BUS 281 INTERNSHIP (1-12)

Provides continued instruction and the opportunity for students to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business locations and with the direct guidance of the instructor.

45 Contact Hours PER CREDIT. Prerequisite: To be determined by instructor

CAD - Computer Aided Drafting

CAD 220 3D/MAX ADVANCED (3)

Introduces 3D rendering and animation using AutoDesk 3D Studio software. Emphasizes 3D geometry, texture, mapping, lighting, camera placement, shading, photo-realistic rendering, animation techniques, and walk through animations.

68 Contact Hours. Prerequisite: CAD 219

CAD 225 ARCHITECTURAL DESKTOP/AUTODESK (3)

Provides students with the software application training in Architectural Desktop necessary to produce 3D architectural drawings utilizing 2D drafting skills.

68 Contact Hours. Prerequisites: AEC 102 and CAD 102 or permission of instructor.

ADDENDUM

CAD 227 REVIT ADVANCED (3)

This course focuses on the advanced applications of the Revit software. Includes family editing, topographic site plans, worksharing, phases, advanced scheduling, custom annotation, and presentation techniques.

68 Contact Hours. Prerequisites: CAD 224

CAD 228 STEEL DETAILING (SD/2) (3)

Introduces students to the world of steel fabrication through 3D parametrics. A small steel structure is completed using step-by-step instructions including 3D modeling, creating solids, sheet setups for automatic detailing, bill of material creation and plotting.

68 Contact Hours. Prerequisites: AEC 241, CAD 100, CAD 202

CAD 231 LAND DESKTOP/AUTODESK (3)

Focuses on the basic command structure and applications of civil mapping concepts utilizing a civil software, to include data collection files, symbols libraries, setting attributes, COGO, layer control, surface modules, road calc, and site design. All coursework is completed on a CAD system.

68 Contact Hours. Prerequisites: CAD 102, ENT 131, or permission of instructor.

CAD 240 INVENTOR I/AUTODESK (3)

Introduces basic non-parametric 3D concepts to build confidence in 3D thinking and moves on to three-dimensional parameters. The student learns to construct, modify, and manage complex parts in 3D space as well as how to produce 2D drawings from the 3D models.

68 Contact Hours. Prerequisite: CAD 102 or permission of instructor.

CAD 244 ADVANCED INVENTOR (3)

This course focuses on the advanced applications of the parametric software Inventor. Includes management of design data, advanced assembly and analysis of model creations and constraints, documentation of bill of materials and parts lists, rendering and animation and testing a model assembly.

68 Contact Hours. Prerequisite: CAD 240

CAD 255 SOLIDWORKS/MECHANICAL (3)

Introduces basic non-parametric 3D concepts to build confidence in 3D thinking and progresses to three-dimensional parameters. The student learns to construct, modify, and manage complex parts in 3D space as well as to produce 2D drawings from the 3D models.

68 Contact Hours. Prerequisite: CAD 102, ENT 131, or permission of instructor.

CAD 259 ADVANCED SOLIDWORKS (3)

This course focuses on the advanced applications of parametric software Solidworks. Includes management of design data, advanced assembly and analysis of model creations and constraints, documentation of bill of materials and parts lists, rendering and animation and testing a model assembly.

68 Contact Hours. Prerequisite: CAD 255

CIS - Computer Information Systems

CIS 130 INTRODUCTION TO THE INTERNET (1)

Enhances the student's knowledge of the Internet and its resources. Individuals learn terminology in dealing with the Internet. Includes privacy and copyright issues with information retrieved from the Internet. Students experience the use of e-commerce, multimedia and e-mail. Explores searching the Internet and credibility of information obtained with searches.

15 Contact Hours.

CIS 280 INTERNSHIP (1-12)

Provides continued instruction and the opportunity for students to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business locations and with the direct guidance of the instructor.

45 Contact Hours. Prerequisite: To be determined by instructor

CNG - Computer Networking

CNG 230 FAST TRACK CCNA 1 AND 2 (5)

Presents the first of two parts of the CCNA certification preparation course for students who already have a solid networking background. It will consist of internetworking, internet protocols, IP subnetting, introduction to the Cisco IOS, IP routing, EGRIP, and OSPF.

75 Contact Hours. Prerequisites: CNG 122 and CNG 124 or permission of instructor.

CNG 231 FAST TRACK CCNA 3 AND 4 (5)

Presents the second of two parts of the CCNA certification preparation course for students who have completed the CCNA I course. It will consist of VLSM, Layer 2 switching, VLANs, ACLs, PPP, Frame Relay, DDR and ISDN.

75 Contact Hours. Prerequisite: CNG 230 or permission of instructor.

DAN - Dance

DAN 106 HIP HOP DANCE II (1)

Includes traditional jazz, ballet and street dancing techniques as well as warm-up exercises such as body toning and stretching. Students will learn diagonal and center step combinations leading to hip-hop dance routines.

30 Contact Hours.

DAN 117 SALSA I (1)

Introduces the beginning dancer to popular Salsa steps and dance combinations. This course includes basic partnering concepts and techniques. Dancers will explore rhythm, proper body alignment and music recognition. A partner is not required for this course.

30 Contact Hours.

DAN 118 SALSA II (1)

Continues Salsa I with an increased knowledge of Salsa dance. This course focuses on Salsa dancing in groups of couples with frequent partner exchanges. Dancers learn a more in-depth study of Salsa dance concepts and techniques. A partner is not required for this course.

30 Contact Hours. DAN 117 or permission of instructor.

DAN 119 SALSA III (1)

Continues Salsa II with an increased knowledge of Salsa dance. This course focuses on more advanced dance technique as well as performance qualities and creative expression. Students engage in more challenging foot work with frequent partner exchanges. A partner is not required for this course.

30 Contact Hours. Prerequisite: DAN 118 or permission of instructor.

DAN 125 HISTORY OF DANCE I (3)

(GT-AH1)

Introduces the history of dance as a theatre or performing art. Examines dance from Classical Greece through the Renaissance, including court and classical ballet to modern dance with African and Caribbean influences.

45 Contact Hours. Note: This is not a physical activity class. It is considered an arts and humanities elective.

DAN 132 BALLET II (1)

Continues Ballet I and emphasizes ballet terminology, fundamental exercises and the basic elements of dance. Focuses on an intermediate level within the basic structure of the ballet class. May be repeated for a maximum of three credits.

30 Contact Hours.

DAN 143 TAP I (1)

Introduces basic tap dance movements and techniques. The shuffle, ball change, brush, flap heel drop, stomp, and stamp step are covered.

30 Contact Hours.

ADDENDUM

DEA - Dental Assisting

DEA 182 CLINICAL INTERNSHIP II AND SEMINAR (6)

Focuses on clinical practice in private or public dental offices or clinics with clinical work experience in both general dentistry and specialty fields on a rotating basis.

45 Contact Hours per credit. Prerequisites: DEA 102, DEA 104, DEA 111, DEA 120, DEA 121, DEA 122, DEA 123, DEA 124, DEA 125, DEA 126, DEA 131, DEA 134, and DEA 183.

DEA 183 CLINICAL INTERNSHIP III (2)

Explores specific job responsibilities pertinent to the dental health team. Enables the dental assisting student to achieve skills by clinical practice. Includes hours of successful completion to satisfy the 300 clock hours required by the ADA Commission on Dental Accreditation.

90 Contact Hours. Prerequisite: DEA 181 or permission of instructor.

EMS - Emergency Medical Services

EMS 150 PEDIATRIC ED FOR PREHOSPITAL PROFESSIONALS (1)

Provides the student with core knowledge and skills necessary to provide emergency care to the pediatric patient.

22.5 Contact Hours.

ENT - Engineering Technology

ENT 105 SAFETY FOR MANUFACTURING ENVIRONMENTS (1)

Introduces federal and state regulations, industrial practices, and accident investigation techniques. Covers hazard communication standard, lockout/tagout procedures, eye safety, lifting techniques, electrical safety, stored energy safety, personal protective equipment, safety program development and monitoring, and accident investigation techniques. Serves as the prerequisite for all Advanced Technology Center programs.

15 Contact Hours.

ENT 106 PRINT READING FOR MANUFACTURING (3)

Focuses on blueprint reading techniques related to manufacturing operations. Covers basic drafting standards, sketching, machine shop math, symbol interpretation, tolerancing, and dimensioning standards.

45 Contact Hours.

ENT 134 GEOMETRIC DIMENSIONING AND TOLERANCING (2)

Enables the student to study and apply principles involving tolerance fits between mating parts and techniques involving precision.

45 Contact Hours. Prerequisites: CAD 100 & ENT 131.

ENT 155 MANUFACTURING TECHNOLOGY I (4)

Focuses on contemporary manufacturing organization, methods, and processes involved in converting raw materials into finished products.

45 Contact Hours.

ENT 175 SPECIAL TOPICS: METROLOGY (3)

Exposes the student to the principles of dimensional metrology. Students will learn how to use common measuring instruments relating to state-of-the-art manufacturing environments. Students will also learn the importance of Quality Control, TQM, and SPC processes as they relate to manufacturing environments. Use of a coordinate measuring machine will be delivered.

45 Contact Hours.

ENT 233 MACHINE DESIGN I (3)

Focuses on the industrial design process from layout to production drawings, jig and fixture design standard part selection from handbooks and catalogs, specification writing, and part ordering.

67.5 Contact Hours. Prerequisite: None

ENT 234 MACHINE DESIGN II (3)

Emphasizes the layout and design of mechanical systems, tool selection, standard parts selection, report and specification writing, and part ordering techniques.

67.5 Contact Hours. Prerequisite: None

ENT 237 STATICS (3)

Focuses on the study of mechanics involving forces and the effects of forces on bodies in equilibrium. Includes force systems, coplanar force systems, structure analysis, friction spatial force systems gravity and centroids.

67.5 Contact Hours. Prerequisites: TEC 201 & MAT 107.

ENT 247 STRENGTH OF MATERIALS (3)

Serves as an extension of Statics and includes the study of mechanical properties of materials and their limitations in engineering design by the study or stresses, strains, torsion forces, shear forces, and deflections placed upon these materials.

67.5 Contact Hours. Prerequisites: TEC 201

GIS - Geographical Information Systems

GIS 205 GIS BUSINESS APPLICATIONS (3)

Presents a sequel to GIS 105 with a deeper look at the principles of GIS, including both raster and vector data structures, data conversion, map algebra, spatial analysis, modeling, and networks. Various ways that GIS is currently being used in science, business, and government will also be presented. ArcView Network Analyst, Spatial Analyst, and 3D Analyst software will be utilized and a final project is required.

45 Contact Hours. Prerequisite: None

HHP - Holistic Health Professional

HHP 112 HOMEOPATHY (1)

Presents a basic overview in the fundamentals, principles, and history of homeopathy. Conditions that can be helped using homeopathic remedies will be discussed, and remedies that are appropriate for acute and first aid conditions will be presented. Common case taking techniques will be taught.

15 Contact Hours.

HHP 142 INTRO TO TRADITIONAL CHINESE MEDICINE (1)

Introduces the theories and practice of Traditional Chinese Medicine (TCM), an ancient medical art. Basic theories are discussed, differentiation skills are practiced and treatment modalities are demonstrated.

15 Contact Hours.

HHP 160 LEARN TO MEDITATE (0.5)

Focuses on techniques to meditate and explores the life-enhancing benefits of meditation.

8 Contact Hours.

HHP 202 AROMATHERAPY (0.5)

While much ancient wisdom on the use of essential oils in health maintenance and the healing of disease has been lost, some tantalizing data from the ancient Egyptians exists and has been verified by modern scientific research. Explores the pharmacokinetics and neurophysiology of essential oils, looking into their origins, extraction, storage and usage. Enables the student to observe a large number of essential oil remedies and their applications.

45 Contact Hours.

HHP 250 TEACHER TRAINING INSTITUTE FOR YOGA (10)

Covers the requirements to be professional Hatha Yoga teachers. Enables participants to understand and practice Yoga and develop skills to teach a wide variety of people in various settings.

150 Contact Hours.

ADDENDUM

HIS - History

HIS 207 AMERICAN ENVIRONMENTAL HISTORY (3)

Traces and analyzes the relationships between Americans and their natural environments throughout the history of the United States. Environmental history interprets the changing ways diverse people have used and viewed their environments over time. Examines the development of conservation movements and environmental policies in modern America.

45 Contact Hours. Prerequisite: None

HIS 244 HISTORY OF LATIN AMERICA (3)

Focuses on the major political, economic, social, and cultural influences that have shaped Latin America from pre-European conquest to the present. Emphasizes the early history of Latin America but connects it to the present.

45 Contact Hours.

HIS 260 U.S. FOREIGN RELATIONS HISTORY (3)

Provides an overview of the history of United States foreign relations from the colonial era to the present and includes the pertinent political, military, economic, diplomatic, social, religious, ideological and cultural topics. At various points, issues such as race, class, gender, immigration, expansion, and the environment will be covered. This course also focuses on developing, practicing and strengthening the skills historians use while constructing knowledge in the discipline.

45 Contact Hours.

HLT - Horticulture and Landscape Technologies

HLT 246 GOLF AND SPORTS TURF MANAGEMENT (2)

Discusses all aspects of sports turf management and culture, including the design, construction, and renovation of golf courses, baseball, football and soccer fields; safety standards and practices; and non-turf maintenance practices.

45 Contact Hours. Prerequisite: None

HPR - Health Professional

HPR 100 INTRODUCTION TO HEALTH (3)

Provides an exploratory course for students interested in a health career. Basic health skills such as vital signs and CPR will be included.

45 Contact Hours

HPR 101 CUSTOMER SERVICE IN HEALTHCARE (2)

Introduces students to customer service theory and techniques specifically in the healthcare arena. This course will discuss therapeutic communication, conflict resolution and negotiation, as well as employee/ employer relations. Exploration of diverse populations and cultural sensitivity will be addressed.

30 Contact Hours

HPR 104 HEALTH CAREERS, OPTIONS AND READINESS (1)

Discusses current market trends in the medical profession, professional opportunities, continuing education, and professional affiliations. Discussions regarding resumes, portfolios, letters of inquiry, and interviewing techniques, as well as job search information is provided. This course is primarily informational and provides information to the student about aspect of career choices.

15 Contact Hours

HPR 120 ADVANCED CARDIAC LIFE SUPPORT (ACLS) (1)

Presents the required material for ACLS completion. It will cover arrhythmia, medications, therapeutic modalities for life threatening arrhythmia, airway management, and other treatment modalities used in cardiac and respiratory arrest.

22.5 Contact Hours

HPR 130 PEDIATRIC ADVANCED LIFE SUPPORT (PALS) (1)

Provides students the needed information and skills as required by health care agencies for pediatric emergencies.

22.5 Contact Hours

MAT - Mathematics

MAT 108 TECHNICAL MATHEMATICS (4)

Covers material designed for career technical or general studies students who need to study particular mathematical topics. Topics may include measurement, algebra, geometry, trigonometry, graphs, and/or finance. These are presented on an introductory level and the emphasis is on applications.

60 Contact Hours. Prerequisite: MAT 060

MAT 109 GEOMETRY (3)

Teaches basic geometric principles involving lines, triangles, circles, polygons, and three-dimensional figures. Geometric constructions and measurement in the metric and US systems are covered.

45 Contact Hours. Prerequisite: None

MGD - Multimedia Graphic Design

MGD 268 COMMERCIAL ART BUSINESS (2)

Presents a guide to freelance work and a study of business practices and procedures unique to commercial art including billing rates, client management, business forms, employee management, taxes, licenses, registration, bid processes and self-promotion. Course may include visits by professionals in the field and discussion of career opportunities and professional organizations.

30 Contact Hours. Prerequisite: None

MUS - Music

MUS 106 INTRO TO SONGWRITING (3)

Examines the various processes and styles of songwriting and offers techniques and ideas for creating songs ranging from functional to original. You will explore the common factors in all styles of songwriting, and use them to bring out creative song ideas whether you have written songs before or have just always wanted to see if you could. A basic knowledge of music reading for any instrument and elementary music theory is recommended, but not required.

45 Contact Hours. Prerequisite: MUS 100 or permission of instructor.

MUS 123 SURVEY OF WORLD MUSIC (3)

(GT-AH1)

Provides an overview of non-Western music from around the world; provides basic listening skills and the historical/cultural context for a variety of world music styles to enable an understanding and appreciation of non-Western musical expression.

45 Contact Hours.

MUS 167 MUSIC BUSINESS I (3)

Designed to give music students, or those students with strong interest in business and music, a complete overview and in depth examination of the current, historic and projected business practices in the music industry.

30 Contact Hours.

ADDENDUM

MUS 261 AUDIO PRODUCTION I (3)

Designed to give music students, as well as those with a strong interest in music and computer technology, a well-structured and basic knowledge of the various aspects of recording and production with music in a live and studio setting. This includes a working knowledge of microphones, audio mixing boards, analog and digital, recorders, analog and digital, mixing, sound, equalization and the fundamentals of acoustics in studio design.

45 Contact Hours. Prerequisite: MUS 161 or permission of instructor.

OSH - Occupational Safety Technician

OSH 127 10-HR CONSTRUCTION INDUSTRY STANDARDS (1)

Provides a 10-Hour OSHA certification course for the construction industry and participants will review the current OSHA standards contained in 29 CFR 1926. Participants that complete the course will receive a certificate of completion from the United States Department of Labor, Occupational Safety and Health Administration. The course is taught by instructors certified by the Occupational Safety and Health Administration.

22.5 Contact Hours. Prerequisite: None.

PAR - Paralegal

PAR 217 ENVIRONMENTAL LAW (3)

Covers state and federal laws concerning the environment, including chemical safety laws, workplace safety, and hazardous waste.

45 Contact Hours.

PSY - Psychology

PSY 265 PSYCHOLOGY OF PERSONALITY (3)

Examines the structure, function, and development of personality. Investigates the major contemporary theories of personality. Covers psychodynamic, behavioral, cognitive-social learning, humanistic, trait, and, optionally, neurobiological, existential, and/or Eastern perspectives. The underlying assumptions and research support for these theories are appraised. Enables the student to gain an appreciation of the value of alternative theoretical approaches to this study of psychology.

45 Contact Hours.

SOC - Sociology

SOC 207 ENVIRONMENTAL SOCIOLOGY (3)

Examination of humans and the environment from an ecological perspective. Focuses on industrial and economic growth versus sustainability, natural resources development and management, environmental values and social movements, and comparative perspectives on people's relationship to the environment. Review of the "Green" movement and other environmental movements and their impacts upon social dynamics, the environment, and the evolution of social movements.

45 Contact Hours.

SOC 208 RESTORATIVE JUSTICE (3)

Provides an introduction to the principles and practices of Restorative Justice, an increasingly popular approach to harm, crime and community. Examines the history and theory behind this paradigm, comparing and contrasting restorative and retributive approaches. Looks at applications in a number of settings, including schools and the criminal justice system. National and international examples will be discussed.

45 Contact Hours.

SOC 212 RESEARCH IN SOCIAL SCIENCES (3)

Introduces social research methods with an emphasis on the scientific method and the role of empirical inquiry into sociology. This course will include the study of methodologies of data collection and analysis, the logic of research, the role of theory, measurement, sampling and research designs. Field research and the professional norms and ethics of social research will also be covered.

45 Contact Hours.

SOC 218 SOCIOLOGY OF DIVERSITY (3)

Explores the variety of intergroup relations regarding race, nationality, ethnicity, gender, sexual orientation, and other diversity issues. Patterns of prejudice, discrimination and possible solutions to these issues will be addressed.

45 Contact Hours.

SOC 220 SOCIOLOGY OF RELIGION (3)

(GT-SS3)

Provides an introduction to the sociology of religion, including a comparative and critical examination of world religions, by focusing on sociological interpretation and explanation of the role of religion in human culture. The interaction between society and religion is thus examined as are a wide variety of religious beliefs and practices.

45 Contact Hours.

SVT - Sport Vehicle Technology

SVT 160 BASIC MOTORCYCLE REPAIR I (1)

Designed to expose current and prospective entry-level motorcycle technicians to basic motorcycle maintenance and repair. Focus will be placed on routine and preventative maintenance. Topics covered in the class include basic safety, hand tool and shop procedure. One objective is to make the learner more familiar with mechanical concepts and more confident in their own ability. Course study may be tailored for each student's specific area of need or interest.

22.5 Contact Hours. Prerequisites: None, Basic English, writing and math skills needed. Possible high course fees.

SVT 165 BASIC MOTORCYCLE REPAIR II (1)

Designed to build upon concepts and practices learned in SVT 160. Focus will be placed on routine and preventative maintenance. Topics covered will include study of motorcycle frame, suspension, tire and wheels. One objective is to make the learner more familiar with mechanical concepts and more confident in their own ability. Course study may be tailored for each student's specific area of need or interest.

22.5 Contact Hours. Prerequisites: SVT 160, or instructor approval.

Possible high course fees.

SVT 170 BASIC MOTORCYCLE REPAIR III (1)

Designed to build upon concepts and practices learned in previous classes. Focus will be placed on routine and preventative maintenance. Topics covered will include study of motorcycle brakes and steering systems. One objective is to make the learner more familiar with mechanical concepts and more confident in their own ability. Course study may be tailored for each student's specific area of need or interest.

22.5 Contact Hours. Prerequisites: SVT 165, or instructor approval.

Possible high course fees.