



MODESTO JUNIOR COLLEGE CATALOG ADDENDUM SUMMER 2011 - SPRING 2012

*This addendum includes expedited changes to the college curriculum
which occurred after the 2011-2012 Catalog was published in March, 2011.*

435 College Avenue
Modesto, California 95350
www.mjc.edu
Price: \$3.00

Accredited by:
The Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges
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*ACCJC/WASC is an institutional accrediting body recognized by the
Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education.*

Modesto Junior College is one college within the Yosemite Community College District.

The Modesto Junior College Catalog is published annually by the Modesto Junior College Office of Instruction.
Publication Design/Production: Letitia S. Miller, Graphics and Cover: Sherri Potts and Keith Goursky, Photos: David Todd, Monika Schortner and Liquid Library.



MJC Guidance & Activities Requirements for Associate Degree

In Partial Fulfillment of the Requirements for Associate's Degree for 2011-2012

Students who plan to earn an associate's degree must complete the MJC Guidance & Activities Requirements*. By completing the Guidance Requirement, students will learn about requirements for graduation, various educational and career options, resources at MJC, as well as create an Educational Plan to ensure that courses taken at MJC are appropriate for their short and long-term goals. By completing the Activities Requirement, students will participate in courses that demonstrate creativity, collaboration, teamwork, and/or self-expression.

I. Guidance Requirement: Complete one course during first semester.

AG 115	Intro to Ag Educ & Careers (1)(F02)	GUIDE 109	Intnl Student/Nw Amer Focus (1)	GUIDE 112	Job Hunting Skills (1/2)
AUBDY 115	Intro Tech Industries (1)(F02)	GUIDE 110	Educational Planning (1/2)	GUIDE 116	Orient for Re-Entry Adults (2)
AUTEC 115	Intro Tech Industries (1)(F02)	GUIDE 111	Career Awareness (1)	GUIDE 120	Succ Strat for Transfer Stdnts 3 (F99)
				INTEC 115	Intro Tech Industries (1)(F02)
				STSK 78	College Study Skills (3)(F02)

II. Activities Requirement: Complete two (2) units

AG 100A/B	Leadership in Agriculture (1-2)(F98)	CMPGR 262	Exploring the WWW (1)	MUSC 126	Music Prod for Multimedi (2)(Su08)	SPCOM 122	Intro Readers' Theatre (3)
ART 102	Intro to Computer Graphics (3)	CMPGR 284	Desktop Video Animation (3)	MUSE 145	Guitar Orchestra (1)(F03)	SPCOM 123	Storytelling (3)
ART 108	Ceramics 1 (3)	ENGL105	Creative Writing: Poetry (3)	MUSE 151	Masterworks Chorus (1)	SPCOM 125	Forensics Interp Events (2)(Su09)
ART 109	Ceramics 2 (3)	ENGL106	Creative Writing: Short Fiction(3)	MUSE 155	Concert Choir (1)	THETR 103	Dance Reh, Performance (2)(Su08)
ART 110	Ceramics 3 (3)	ENGL 108	Creative Writing: Autobiography (3)	MUSE 156	Chamber Choir (1)	THETR 122	Intro Readers' Theatre (3)
ART 120	Basic Drawing 1 (3)	ENGL 109	Creative Writing: Scriptwriting (3)	MUSE 161	Community Orchestra (1)(F99)	THETR 123	Storytelling (3)
ART 121	Basic Drawing 2 (3)	FILM 150	Film Production (3)	MUSE 165	String Orchestra (1)	THETR 131	Fund of Choreography (3)(F02)
ART 123	Figure Drawing (3)	INTDS 140	Rendering & Rapid Visual (3)(Su07)	MUSE 166	Chamber Music Ens (Strings) (1)	THETR 156	Rehearsal/Perf - Comedy (2)(Su10)
ART 125	Color & Design 2 (3)	JRNAL 120 B,C	Multimedia News Prod Staff (2,3)	MUSE 171	Concert Band (1)	THETR 157	Rehearsal/Perf - Drama (2)(Su10)
ART 127	Altern Drawing Methods (3) (Su07)	JRNAL 146 B,C	Pirates Log Photo Staff (2,3)	MUSE 175	Symphonic Band (1)	THETR 158	Reh/Perf - Cissd Theatre(2)(Su10)
ART 140	Sculpture 1 (3)	JRNAL 179	Photojournalism (3)(Su07)	MUSE 176	Chamber Ens (Band) (1)(Su07)	THETR 159	Reh/Perf - Music Theatre (2)(Su10)
ART 141	Sculpture 2 (3)	MUSA 121	Elementary Piano (1)	MUSE 181	Jazz Band (1)	THETR 160	Fundamentals of Acting (3)
ART 142	Sculpture 3 (3)	MUSA 122	Piano Enrichment (1)	MUSE 185	Evening Jazz Band (1)	THETR 161	Intermediate Acting (3)(Su11)
ART 144	Watercolor Painting 1 (3)	MUSA 123	Intermediate Piano (1)(Su11)	MUSP 151	Musical Theatre Workshop (2)	THETR 164	Improvisational Acting (3)(Su07)
ART 145	Watercolor Painting 2 (3)	MUSA 124	Advanced Piano (2)(Su11)	MUSP 153	Adv Musical Theatre Wkshp (2)	THETR 175	Stage Costuming (3)
ART 146	Mixed Media Painting (3)(F05)	MUSA 131	Organ 1 (1)	MUST 130	Practica Musica (1)(Su11)	THETR 178	Intro to Scenery Design (3)
ART 147	Painting 1 (in Acrylic) (3)(F06)	MUSA 135	Elementary Harpsichord (1)(F99)	PE -	All Activities Courses (1,2,3)	THETR 183	Fund of Stage Makeup 1 (1)
ART 148	Painting 1 (in Oil) (3)	MUSA 141	Elementary Guitar (1)	RATV 131	Introduction to Radio Production (3)	THETR 184	Fund of Stage Makeup 2 (1)(Su08)
ART 149	Painting 2 (3)	MUSA 142	Guitar Performance (1)(Su11)	RATV 134	TV Studio Production (3)	THETR 185X,A	Beginning Modern Dance (1/2,1)(F01)
ART 150	Gallery Operation & Mgmt (3)	MUSA 143	Guitar Enrichment (1)(F03)	RATV 141	Documentary Production (3)(F01)	THETR 186 X,A	Int Modern Dance (1/2,1)(F01)
ART 170	Basic Photography (3)	MUSA 144	Intermediate Guitar (1)(Su11)	RATV 142	Light,Sound,Cam Edit Wkshp(3)(Su08)	THETR 187X,A	Advanced Modern Dance (1/2,1)(F01)
ART 173	Digital Imaging for Photog (3)(F02)	MUSA 145	Applied Classical Guitar (1)(F01)	RATV 168	Music Prod for Multimedia (2)(Su08)	THETR 188	Jazz Dance (1)(F01)
ART 175	Color Photography (3)	MUSA 151	Elementary Voice (1)	RATV 172	Recording Arts 1 (2)(Su08)	THETR 189X,A	Ballet 1 (1/2,1)(F01)
ART 179	Photojournalism (3) (Su07)	MUSA 152	Elementary Voice 2 (1)	RATV 178	Recording Arts 2 (2)(Su08)	THETR 190A,B	Theatre Production Workshop (1,2)
ART 181	Basic Photography 1 (1 1/2)(F04)	MUSA 153	Appl Vocal Repetoire 1 (1)(Su11)	SOCS 58	Student Leadership Dev't (2)	THETR 192	Rehearsal & Performance (2)
ART 182	Basic Photography 2 (1 1/2)(F04)	MUSA 154	Appl Vocal Repetoire 2 (1)(Su11)	SPCOM 105	Forensics Debate (2)	THETR 195	Movement for Perf Artists (3)(F01)
ART 189	Photography Lab Tech (1)(F96)	MUSA 155	Vocal Master Class (1)(Su11)	SPCOM 115	Forensics Platf Speeches (2)(Su09)	THETR 196	Theatre Management (1)
ART 191	Photo Lab Technology 2(1)(F01)	MUSA 161	Elementary Strings (1)				
CGR 201	Graphic Arts Fund (3)(F06)	MUSA 163	Appl Music (Violin&Viola) (1)(Su11)				
CGR 211	InDesign and Typog 1 (3)(F06)	MUSA 164	Appl Music (Cello&Bass) (1)(Su11)				
CGR 212	Electronic Prepress (3)(F06)	MUSA 173	Appl Music (Brass, Perc) (1)(Su07)				
CGR 221	Image Capture & Manip (3)(F06)	MUSA 183	Appl Music (Woodwinds) (1)(Su11)				
CGR 224	Illustrator and Elect Publish (3)(F06)	MUSC 111	Recording Arts 1 (2)(F01)				
CGR 230	Graphic Design (3)(F06)	MUSC 112	Recording Arts 2 (2)(Su08)				
CGR 333	Photo Techniques (3)(F06)	MUSC 121	Intro to Synthesizer & MIDI (2)				
CMPGR 202	Intro to Computer Graphics (3)(F97)	MUSC 122	Electronic Music 2 (1)				

Students who possess a baccalaureate or higher degree completed at a regionally accredited college or university will have satisfied general education and competency requirements including guidance and activities for the Associate of Arts or Associate of Science degree.

Veterans or reservists who submit proof of U.S. military Basic Training will receive two (2) units of activities. File copy of DD214 with MJC Veterans Office.

*Reflects Curriculum Committee Guidance/Activities approvals effective Summer 2011. Revised 02/09/11 RAC/bs



Expected Learning Outcomes for General Education at MJC

For students who complete MJC-GE, CSU-GE, or IGETC to fulfill GE requirements for the associate degree at MJC

UPON COMPLETION OF AN ASSOCIATE'S DEGREE AT MODESTO JUNIOR COLLEGE, THE STUDENT WILL BE ABLE TO:

- Demonstrate proficiency in NATURAL SCIENCE by:**
 - Explaining how the scientific method is used to solve problems.
 - Describing how scientific discoveries and theories affect human activities.
- Demonstrate proficiency in SOCIAL AND BEHAVIORAL SCIENCE by:**
 - Describing the method of inquiry used by the social and behavioral sciences.
 - Describing how societies and social subgroups have operated in various times and cultures.
 - Analyzing the ways that individuals act and have acted in response to their societies.
- Demonstrate proficiency in the HUMANITIES by:**
 - Demonstrating awareness of the various ways that culture and ethnicity affect individual experience and society as a whole.
 - Demonstrating the ability to make well considered aesthetic judgments.
- Demonstrate proficiency in LANGUAGE AND RATIONALITY by:**
 - Demonstrating awareness of the interactive nature of communication involving effective listening, reading, writing, and speaking.
 - Demonstrating critical thinking in the analysis and production of communication.
 - Demonstrating the ability to find, evaluate, and use information in a variety of formats.
- Demonstrate proficiency in HEALTH EDUCATION by:**
 - Describing the integration of the physiological and psychological human being.
 - Analyzing the development of self and making plans for lifelong learning.
 - Evaluating the impact of daily decisions on life and health.

*Approved by the MJC Academic Senate 02/18/2010. BS/MA/ISM



MJC-GE 2011-2012

MJC's General Education Pattern* for Associate's Degree

For students following the Career and Technical Educational pathway to Associate's degree from Modesto Junior College.

The MJC-GE pattern constitutes a set of requirements that, when successfully completed, demonstrates that the student has completed the general education requirement for associate degree at MJC. Completion of the MJC-GE pattern does not satisfy requirements for transfer to UC or CSU. Students are strongly advised to enroll in a Guidance class and/or speak to a counselor to ensure that the MJC-GE pattern is right for their short and long-range educational goals. For more information see "Planning Your Education" on page 60 of the 2011-2012 MJC Catalog.

Area A. Natural Sciences: Complete a minimum of three (3) units.

AG 376	Basic Sci & Lab Techniques (3)	BIO 130/130L	Intro:Marine Verteb. w/ Lab(3-1)(F00)	ELTEC 208	World of Elect & Electronics(3)(F97)	PHSCI 161	Science Matters(3)
ANAT 125	Human Anatomy (5) (Su07)	BIO 140	Intro to Marine Biology (4)	ENSCI 108	Environmental Conservation (3)	PHSCI 161/164	Science Matters(3) & Lab (1)(F97)
ANSC 200	Intro to Animal Science (3)	BIO 145	Intro to Freshwater Biology (4)	FDNTR 219	Nutrition (3)	PHYS 101	General Physics: Mechanics (5)
ANTHR 101	Physical Anthropology (3)	BOT 101	General Botany (4)(Su10)	FDNTR 351	Practical Nutrition (3)	PHYS 102	General Physics: Waves (5)(Su11)
ANTHR 105	Physical Anthro Lab (1)(F98)	BOT 110	Plant Biology (3)	GEOG 101	Physical Geography (3)	PHYS 103	General Physics: Electricity(5)(Su11)
AP 50	Elem Human Anat-Phys (3)(F96)	CHEM 101	General Chemistry 1 (5)	GEOL 160	Intro to Geology (3)	PHYS 142	Mechanics, Heat & Waves (5)
AP 150	Integrative Anat & Physiology (5)	CHEM 102	General Chemistry 2 (5)(Su09)	GEOL 161	Physical Geology (4)	PHYS 143	Elect, Mag, Opt, Atm., Nuclr(5)(Su11)
ASTRO 141	Intro to Astrophysics (3)	CHEM 112	Organic Chemistry 1 (5)(Su11)	GEOL 165	Geology of California (3)	PHYS 160	Descriptive Intro to Physics (3)
ASTRO 160	Intro to Modern Astronomy (3)	CHEM 113	Organic Chemistry 2 (5)(Su10)	GEOL 166	Historical Geology (4)	PHYS 160/164	Intro to Physics/Phys Lab(3-1)(F97)
BIO 50	Basic Biology (3)(F97)	CHEM 142	Pre-General Chemistry (3)	INTEC 208	World of Elect & Electronics(3)(F97)	PHYS 165	Introductory Physics (5)
BIO 101	Biological Principles (5)	CHEM 143	Introductory College Chem (5)	METEO 161	Intro to Meteorology (4)(Su08)	PHYS 180	Cncptl Physics: Hands-on (4)(Su08)
BIO 111	General Biology (4)	CHEM 144	Fund of Org & Biochem (4)(Su09)	MICRO 101	Microbiology (4)	PHYSO 101	Intro. Human Physiology (5) (Su07)
BIO 114	General Ecology (4)(Su10)	CHEM 150	Explor Our Chem Environ (3)	NR 200	Soils (4)	PHYSO 103	Intro to Neuroscience (3) (Su08)
BIO 115	Genetics, Evolution & Society(3)(F97)	CHEM 164	Intro Chemistry Lab (2)(Su08)	NR 215	Wildlife Production (3)	PLSC 200	Intro to Plant Science (3)
BIO 116	Biology: Human Perspective (4)(Su10)	EASCI 161	Earth Science (4)	NR 220	Introductory Forestry (3)	PLSC 230	Fruit Science (3)
BIO 130	Intro to Marine Vertebrates (3)(F00)	EASCI 162	Intro to Oceanography (4) (Su08)	PHSCI 52	The Way Things Work (3)	PSYCH 103	Intro to Neuroscience (3)
						ZOOL 101	General Zoology (4) Su10)
						ZOOL 110	Animal Biology (3)

Area B. Social & Behavioral Sciences: Complete a minimum of three (3) units.

ADJU 201	Intro to Admin of Justice (3)	ECON 115	Econ Hist of the US (3)	HIST 116	Women in American Hstry (3) (Su11)	POLSC 120	Calif Politics & Problems (3)
ADJU 235	Introduction to Corrections (3)(Su07)	ENSCI 110	California Water (3)(F98)	HIST 119	Soc/Cult Hist 20th Cent Amer(3)(F00)	POLSC 130	Political Theory (3)(Su11)
AGEC 210	Elem of Ag Economics (3)	GEOG 102	Cultural Geography (3)(F98)	HIST 125	History of Mexico (3)(Su11)	POLSC 131	American Political Thought (3)(Su07)
AGEC 146	Ag, Environment & Soc (3)(F97)	GEOG 104	California Geogaphy (3)(Su09)	HIST 128	Hstry of Amer Far West Front (3)	POLSC 140	Comparative Politics (3) (Su07)
ANTHR 102	Cultural Anthropology (3)	GEOG 105	Economic Geog (3) (F00)	HIST 129	History of California (3)(Su11)	PSYCH 51	Psych in Everyday Life (3)
ANTHR 104^	Linguistic Anthropology (3) (Su07)	GEOG 110	World Regional Geography(3)(F97)	HIST 145	History of Latin America (3)(Su11)	PSYCH 101	General Psychology (3)
ANTHR 140	Magic, Witchcraft & Religion (3)(F97)	HIST 101	History of the US to 1877 (3)	HIST 154	Hstry of Afri-Amer -19th Cent (3)(F99)	PSYCH 104^	Social Psychology (3)(Su08)
BUSAD 240	Principles of Mgmt (3)	HIST 102	Hstry of the US-Post Civil War (3)	HIST 155	Afri-Amer in 20th/21st Cent (3)(F99)	PSYCH 105	Abnormal Psychology (3)(Su07)
CLDDV 103C	Child Growth and Devt (3)	HIST 104^	Western Civil to 1650 (3)(Su11)	HUMSR 101	Intro to Human Services (3)	PSYCH 111	Psychology of Gender (3)(Su07)
CLDDV 104^	Child Grwth/Dvt:Cnc-Childhd(2)(Su10)	HIST 105^	Western Civil Since 1650 (3)(Su11)	HUMSR 114	Death and Dying (3) (Su08)	SOCIO 101	Intro to Sociology (3)
CLDDV 105^	Child Grwth/Dvt:Lt Chld-Adol(2)(Su10)	HIST 106^	World Civ to the 16th Cent (3)(F02)	HUMSR 142	Intro to Psychosoc Rehab (3) (Su09)	SOCIO 102	Social Problems in U.S. (3)(F98)
CLDDV 160	Atypical Development (3) (F03)	HIST 107^	World Civ from the 16th Cent (3)(F02)	HUMSR 143	Psychosoc Rehab Practice (3) (Su09)	SOCIO 131	Sociology of Medicine (3)(F00)
CLDDV 262	Diversity in Educ Settings (3)(Su09)	HIST 112	20th Century America (3)	POLSC 101	American Politics (3)	SOCIO 150	Ethnicity & Culture in America (3)
ECON 101	Principles of Macroeconomics (3)	HIST 113	Soc/Cult Hist US prior to 20th Cent (3)	POLSC 102	Constit & Rights of Americans (3)	SOCIO 154	Afri-Ameri Cult/Communities (3)
ECON 102	Principles of Microeconomics (3)	HIST 115	Econ Hist of the US (3)	POLSC 110	International Relations (3)	SOCIO 156	Mexican Culture in the US (3)
				POLSC 111	War/Peace: Lenin to Al Qaeda (3) (Su07)	SOCS 105^	Women's Studies (3) (F01)
						SOCS 110	Introduction to Education (3)

Area C. Humanities: Complete a minimum of three (3) units.

ANTHR 104^	Linguistic Anthropology (3) (Su07)	ENGL 161	Film Appreciation (4)	HUMAN 101	Intro to the Humanities (3)	PORTG 51	Intro to Prclt Portuguese 1(3)(F99)
ARCH 117	History of Architecture 1 (3)	ENGL 162	History of Cinema (3) (F03)	HUMAN 105	Early Humanistic Trad (3)	RATV 150	Intro to the Media Arts (3)
ARCH 118	History of Architecture 2 (3)	ENGL 163	Intro to Shakespeare (3)	HUMAN 106	Humanities in the Modern World (3)	SIGN 125	ASL: Begin Comm w/Deaf (3)
ART 124	Color and Design 1 (3) (Su07)	ENGL 168	Adolescent Literature (3)	HUMAN 110	East Meets West (3)	SIGN 126	ASL: Interm Comm w/Deaf (3)
ART 160	Appreciation of Art (3)	ENGL 169	Children's Literature (3)	HUMAN 130	Intro to Western Religion(F03)	SIGN 127	ASL: Adv Comm w/Deaf (3)
ART 161	American Art (3)	ENGL 171	Intro to African-American Lit (3)	HUMAN 140	Intro to World Mythology (3)(F06)	SOCS 105^	Women's Studies (3) (F01)
ART 162	History of Renaissance Art (3)	ENGL 172	Intro to Chicanos/a Lit (3)	INTDS 150	Hstry of Interiors/Dec Arts 1 (3)(Su11)	SOCSC 154	Women with a Message (3) (Su08)
ART 163	Hstry of Modern Art (3)	ENGL 173	Intro to Latin American Lit (3)	INTDS 155	Hstry of Interiors/Dec Arts 2 (3)(F06)	SPAN 51	Intro to Practical Spanish 1 (3)
ART 164	History of Art 1 (3)	ENGL 174	Introduction to Mod Asian Lit (3)(F05)	ITAL 101	Italian 1 (5) (Su08)	SPAN 52	Intro to Practical Spanish 2 (3)
ART 165	History of Art 2 (3)	ENGL 175	Intro to Women's Literature (3)	MUSG 101	Music Appreciation (3)	SPAN 101	Spanish 1 (5)
ART 168	Survey of Photography (3)	ENGL 176	Introduction to Mexican Lit (3) (F03)	MUSG 102	Intro to World Music(3)(F99)	SPAN 102	Spanish 2 (5)
ART 169	Hstry of Non-Western Art(3)(F99)	ENGL 179	Intro to Native American Lit (3)	MUSG 111	Intro to Amer Pop Music (3)	SPAN 103	Spanish 3 (5)
CMPGR 201	Animation: Global View (3) (F03)	FILM 153	Contemporary Film (3) (F01)	MUSG 121	History of Western Music I (3)	SPAN 104	Spanish 4 (5)
ENGL 102	Adv. Comp. & Intro to Lit. (3)(Su07)	FILM 154	Movies with a Message (3) (F01)	MUSG 122	History of Western Music 2 (3)	SPAN 109	Span Span Spkrs 1 (5)(Su07)
ENGL 112	Intro to Novel & Short Story (3)	FILM 155	The Documentary Film (3)(F06)	MUST 121	Music Theory 1 (3)(Su11)	SPAN 110	Span Span Spkrs 2 (5)(Su07)
ENGL 114	Introduction to Poetry (3)	FREN 101	French 1 (5)	MUST 122	Music Theory 2 (3)(Su11)	SPAN 112	Intro to Chicanos/a Lit (3)
ENGL 116	Introduction to Drama (3)	FREN 102	French 2 (5)	PE 194	Intro to World Dance (3) (F01)	SPAN 113	Survey of Latin Amer Lit (3)(F06)
ENGL 131	Intro to World Lit to 1500 (3)	FREN 103	French 3 (5)	PHILO 101	Philosophy (3)	SPCOM 120	Oral Reading/Interp (3)
ENGL 132	Intro to World Lit 1500 to Prsnt(3)	FREN 104	French 4 (5)	PHILO 111	Ethics: Theory & Application (3)	SPCOM 124	Adv Rdr's Thtr (3)(F00)
ENGL 135	Survey:American Lit to 1850 (3)	GERM 51	Intro German 1 (3) (Su11)	PHILO 113	Philosophy of Art (3)(Su08)	THETR 100	Intro to Theatre Arts (3)
ENGL 136	Survey:American Lit 1850-Prsnt (3)	GERM 101	German 1 (5)	PHILO 115	Religion: Philo & Comp Inq (3)	THETR 102	World Theatre (3) (F03)
ENGL 137	Survey Engl Lit to 18th Cntry (3)	GERM 102	German 2 (5)	PHILO 120</			



CSU-GE Transfer Pattern 2011-2012

MJC's General Education Pattern[†] for Transfer to the California State University System

The CSU-GE pattern is one option that allows California community college transfer students to fulfill the lower-division general education requirements of any California State University (CSU) campus. The curriculum consists of a 39-unit pattern with five areas of concentration (Area A-E). The CSU History, Constitution, and American Ideals requirement may also be completed at MJC prior to transfer. All courses must be passed with a grade of "C" or higher, "P", or "CR". CSU-GE is not the only way to fulfill the lower division GE requirements of a CSU campus prior to transfer. It is recommended that students consult with a counselor or enroll in a Guidance class to ensure their individual educational goals are being met. Request for complete or partial area CSU-GE Certification must be made in the Records Office, Morris Building, Room 105. For information see "Certification of General Education" on page 64 in the 2011-2012 MJC catalog.

Legend

- (3) Units earned
- (F97) Students completing this course prior to term (F: Fall, S: Spring, SU: Summer) and year indicated will not be allowed to fulfill this requirement with this course.
- ^ Although listed in more than one area, the course may be counted toward only one CSU-GE pattern area.
- * Denotes a lab science course.

AREA A

English Language, Communication, and Critical Thinking

Complete one course in each category for a total of nine (9) units.

A.1 ORAL COMMUNICATION

- SPCOM 100 Fundamentals of Public Speaking (3)
- SPCOM 102 Introduction to Human Communication (3)
- SPCOM 110 Persuasion (3) (F03)

A.2 WRITTEN COMMUNICATION

- ENGL 101 Comp and Reading (3)

A.3 CRITICAL THINKING

- CMPSC 103 Symbolic Logic (3)
- ENGL 103 Adv. Comp. & Crit. Think. (3)
- PHILO 103 Symbolic Logic (3)
- PHILO 105 Reasoning (3)
- PHILO 107 Philo of Science (3) (F93)
- SPCOM 104 Argumentation (3)
- SPCOM 107 Intro to Debate (3) (F90)

AREA B

Scientific Inquiry and

Nine (9) units with one course from B.1, B.2, and B.4 required. One course from B.1 or B.2 must be a laboratory course (marked with an asterisk*) for B.3.

B.1 PHYSICAL SCIENCE

- ASTRO 141 Intro Astrophysics (3)
- ASTRO 141-151* Intro Astro/Lab (3-1)
- ASTRO 160 Intro to Modern Astro (3)
- ASTRO 160-151* Intro to Mod Astro/Lab (3-1)
- CHEM 101* Gen. Chemistry 1 (5)
- CHEM 102* Gen. Chemistry 2 (5)
- CHEM 112* Organic Chem 1 (5) (F91)
- CHEM 113* Organic Chem 2 (5) (F91)
- CHEM 142 Pre-General Chemistry (3)
- CHEM 143* Intro College Chem (5)
- CHEM 144* Fund of Organic & Biochemistr (4)
- CHEM 150 Exploring Our Chemical Environment (3)
- CHEM 150-164*Exploring Our Chemical Environment/Lab(3-1)(F07)
- EASCI 161* Earth Science (4)
- EASCI 162* Introduction to Oceanography(4)(Su08)
- GEOG 101 Physical Geography (3)
- GEOL 160 Intro to Geology (3) (F95)
- GEOL 161* Physical Geology (4) (F90)

B.1 PHYSICAL SCIENCE (continued)

- GEOL 165 Geol of California (3)
- GEOL 166* Historical Geol (4) (F90)
- METEOL 161* Intro to Meteorology(4)(Su08)
- NR 200* Soils (4) (F02)(F04)
- PHSCI 161 Science Matters (3)
- PHSCI 161-164* Science Matters/Lab (3-1) (F97)
- PHYS 101* Gen Phys: Mechanics (5)
- PHYS 102* Gen Phys: Waves, Therm, Optics (5)
- PHYS 103* Gen Phys: Elect, Mag, & Mod Phys (5)
- PHYS 142* Mech, Heat & Waves (5)
- PHYS 143* Electricity, Magnetism, Optics...(5)
- PHYS 160 Descrip Intro to Physics (3)
- PHYS 160-164* Descrip Intro to Physics/Lab(3-1)(F97)
- PHYS 165* Introductory Physics (5)
- PHYS 180* Conceptual Physics: Hands On (4)(Su08)

B.2 LIFE SCIENCE

- ANAT 125* Human Anatomy (5)
- ANSC 200 Intro to Animal Science (3) (S06)
- ANTHR 101* Phys Anthropology (3) (F90)
- ANTHR 101A-105* Phys Anthro/Lab (3-1) (F90)(F98)
- AP 150* Integr Anat/Physio (5) (F96)
- BIO 101* Biological Principles (5)
- BIO 111* General Biology (4)
- BIO 114* General Ecology (4) (SU10)
- BIO 115 Genetics, Evol & Soc (3) (F97)
- BIO 116* Biology: A Human Perspective (4)(SU10)
- BIO 130 Introduction to Marine Vertebrates (3) (S07)
- BIO 130-130L* Introduction to Marine Vert/Lab (3-1) (S07)
- BIO 140* Intro to Marine Biology (4)
- BIO 145* Intro to Freshwater Biology (4)
- BOT 101* General Botany (4)
- BOT 110* Plant Biology (3)
- ENSCI 108 Env. Conservation (3) (F97)
- MICRO 101* Microbiology (4) (F94)
- PHYSO 101* Intro Human Physio (5)
- PHYSO 103 Introduction to Neuroscience (3)(SU08)
- PLSC 200 Intro to Plant Science (3)
- PSYCH 103 Introduction to Neuroscience (3)(F90)
- ZOOL101* General Zoology (4)
- ZOOL 110* Animal Biology (3)

B.3 LABORATORY ACTIVITY

Take one course from B.1 or B.2 with a laboratory, as indicated by the asterisk (*).

B.4 MATHEMATICS AND QUANTITATIVE REASONING

- CMPSC 219 Discrete Structures for Computer Sci. (4)(SU10)
- MATH 101 Math Ideas and Applications (3) (F90)
- MATH 105 Structure of Mathematics 1 (4)
- MATH 106 Structure of Mathematics 2 (4) (F93)
- MATH 111 Applied College Algebra (3) (F02)
- MATH 121 Pre-Calculus 1 (5) (F98)
- MATH 122 Pre-Calculus 2 (5) (F98)
- MATH 130 Finite Mathematics (3)
- MATH 134 Elementary Statistics (5)
- MATH 138 Calculus for Bus/S.S. (3)
- MATH 171 Calculus: First Course (5)
- MATH 172 Calculus: Second Course (5)
- MATH 173 Calculus: Third Course (5) (S07)
- MATH 174 Intro. to Linear Alg. & Ord. Diff. Eq. (5)(S07)

AREA C

Arts and Humanities

Nine (9) units required. Three (3) units from C.1 and three (3) units from C.2. Three (3) additional units from C.1 or C.2.

C.1 ARTS (ARTS, DANCE, MUSIC, THEATRE)

- ARCH 117 History of Architecture 1 (3)
- ARCH 118 History of Architecture 2 (3)
- ART 102 Intro to Computer Graphics (3)(F95)
- ART 120 Basic Drawing 1 (3)
- ART 140 Sculpture 1 (3)
- ART 160 Appreciation of Art (3)
- ART 161 American Art (3) (F90)
- ART 162 Hist of Renaissance Art (3) (F92)
- ART 163 Hist of Modern Art (3) (F94)
- ART 164 History of Art 1 (3)
- ART 165 History of Art 2 (3)
- ART 168 Survey of Photography (3)
- ART 169 History of Non-Western Art (3)(F99)
- ART 170 Basic Photography (3) (F89)
- CMPGR 202 Intro to Computer Graphics (3)(F95)
- ENGL 161* Film Appreciation (4) (F05)
- FILM 154 Movies with a Message (3)(F07)
- FILM 155 The Documentary Film (3) (SU07)
- INTDS 150 Hist. of Interiors-Dec. Arts 1 (3) (SU07)
- MUSG 101 Music Appreciation (3)
- MUSG 102 Intro to World Music (3)(F99)
- MUSG 111 Intro to Amer Pop Music (3)
- MUSG 121 History of Western Music 1 (S05)
- MUSG 122 History of Western Music 2 (3) (F93)
- MUST 121 Music Theory 1 (3) (F91)
- MUST 122 Music Theory 2 (3) (F91)
- MUST 123 Music Theory 3 (3) (F93)
- MUST 124 Music Theory 4 (3) (F91)
- PE 194 Intro to World Dance (3) (F01)
- SOCSC 154 Movies with a Message (3)(F07)
- SPCOM 120 Oral Read & Interpretation (3)
- SPCOM122 Intro to Readers' Theat (3)
- SPCOM 123 Storytelling (3)(F00)
- SPCOM 124 Advanced Readers' Theatre (3)
- THETR 100 Intro to Theatre Arts (3)
- THETR 102 World Theatre (3) (F05)
- THETR 120 Oral Read & Interp(3)
- THETR 122 Intro to Readers' Theat (3)
- THETR 123 Storytelling (3)(F00)
- THETR 124 Advanced Readers' Theatre (3)
- THETR 150* Elements of Playwriting (3) (F94)
- THETR 160 Fundamentals of Acting (3)
- THETR 161 Intermediate Acting (3)
- THETR 165 History of American Music Theater(3)(F92)
- THETR 194 Intro to World Dance (3) (F01)

C.2 HUMANITIES (LITERATURE, PHILOSOPHY, AND FOREIGN LANGUAGES)

- ANTHR 104* Linguistic Anthropology (3)(SU07)
- ENGL 102 Adv Comp & Intro to Lit (3)
- ENGL 105 Creative Writing: Poetry (3)
- ENGL 106 Creative Writing: Short Fiction (3)
- ENGL 112 Intro to Novel & Shrt Story (3)
- ENGL 114 Intro to Poetry (3)
- ENGL 116 Intro to Drama (3)
- ENGL 131 Intro to World Lit to 1500 (3)
- ENGL 132 Intro to World Lit 1500 to Present (3)
- ENGL 135 Survey of American Lit to 1850 (3)
- ENGL 136 Survey of American Lit: 1850 to Present (3)
- ENGL 137 Survey of Engl Lit. to 18th Century (3)
- ENGL 138 Survey of Engl Lit. 1700-Present (3)
- ENGL 151 Introduction to Folklore (3)
- ENGL 156 Bible as Lit.- Hebrew Canon (3)
- ENGL 157 Bible as Lit-New Testament (3)
- ENGL 161* Film Appreciation (3) (F05)
- ENGL 162 History of Cinema (3) (F03)
- ENGL 163 Intro to Shakespeare (3)
- ENGL 168 Adolescent Lit (3) (F90)
- ENGL 169 Children's Lit (3)
- ENGL 171 Intro African-Amer Lit (3)(F90)
- ENGL 172 Intro to Chicano/a Lit (3) (F93)
- ENGL 173 Intro Latin Amer Lit (3) (F93)
- ENGL 174 Intro Mod Asian Lit (3) (S05)
- ENGL 175 Introduction to Women's Literature (3)
- ENGL 176 Intro to Mexican Lit (3) (F04)
- ENGL 179 Intro Ntv Amer Lit, Myth & Oral Trd (3) (F95)
- FOREIGN LANGUAGE numbered 101, 102, 103, 104 (5)
- HIST 104* Western Civil. to the 1650 (3)(F10)
- HIST 105* Western Civil. since 1650 (3)(F10)
- HIST 106* World Civil. to the 16th Century (3)(S07)
- HIST 107* World Civil. from the 16th Century (3)(F10)
- HUMAN 101 Intro to the Humanities (3)
- HUMAN 105 Early Humanistic Trad (3) (F89)
- HUMAN 106 Humanities in the Modern World (3) (F89)
- HUMAN 110 East Meets West (3) (F87)
- HUMAN 130 Introduction to Western Religions (3) (F03)
- HUMAN 140 Intro to World Mythologies (3) (S06)
- PHILO 101 Philosophy (3)
- PHILO 111 Ethics: Theory & Appl (3)
- PHILO 113 Philosophy of Art (3)(Su08)
- PHILO 115 Religion: A Phil. & Comparative Inquiry (3)
- PHILO 120 Hist of Philo: Ancient (3)
- PHILO 121 Hist of Philo: Modern (3)
- PHILO 123 20th Century Philosophy (3) (F02)
- PHILO 135 Environmental Ethics (3)(F08)
- PHILO 140 Philosophy & Film (3) (F93)
- SIGN 125 ASL - Beginning (3) (F95)
- SIGN 126 ASL - Intermediate (3)(F95)
- SIGN 127 ASL - Advanced (3) (F95)
- SPAN 109 Span. for Span. Spkrs 1 (5) (SU07)
- SPAN 110 Span. for Span. Spkrs 2 (5) (S07)
- SPAN 112 Intro to Chicano/a Lit (3) (F90)
- SPAN 173 Survey of Latin American Lit (3) (S06)
- THETR 150* Elem of Playwriting (3) (F94)

AREA D

Social Sciences

Nine (9) units from at least two disciplines. Courses marked with ^ may be used in one area only.

D.0 SOCIOLOGY AND CRIMINOLOGY

- ADJU 201 Intro Admin of Justice(3)(F95)
- SOCIO 101 Intro to Sociology (3)
- SOCIO 102 Social Problems in US (3) (F01)
- SOCIO 125 Sociology of the Family (3)
- SOCIO 150* Ethnic & Culture in Am (3)
- SOCIO 154* Afr. Amer. Cltrs. & Comnt.(3)
- SOCIO 156* Mexican Culture in the US(3)

D.1 ANTHROPOLOGY & ARCHAEOLOGY

- ANTHR 101* Physical Anthropology (3) (F90)
- ANTHR 102 Cultural Anthropology (3)
- ANTHR 104* Linguistic Anthropology (3)(SU07)
- ANTHR 130 Arch and Cultural Prehist (3)
- ANTHR 140 Magic, Witch & Relig (3) (F97)
- ANTHR 150 Native People of N. Amer (3)

D.2 ECONOMICS

- AGEC 210 Elem of Ag Econ (3)(F98)
- ECON 101 Principles of Macroeconomics (3)
- ECON 102 Principles of Microeconomics (3)
- ECON 115* Econ Hist of the US (3)
- GEOG 105* Economic Geog (3) (F00)
- HIST 115* Econ Hist of the US (3)

D.3 ETHNIC STUDIES

- HIST 113* Social Cult Hist of the US Prior to the 20th Cent (3)(F10)
- HIST 119* Social & Cult Hist of the 20th Century Amer (3)(F10)
- HIST 128* Hist of the American Far Western Frontier (3)(F10)
- HIST 154* Afr. Amer thru 19th Century(3)(F95)
- HIST 155* Afr. Amer in 20th/21st Cents. (3)(F99)
- SOCIO 150* Ethnicity and Culture in America (3)
- SOCIO 154* Afr- Amer Culture & Communities (3)
- SOCIO 156* Mex Culture in the US (3)
- SPCOM 130* Intercultural Communication (3)(F02)

D.4 GENDER STUDIES

- HIST 116* Women in American History (3)(F10)
- PSYCH 111* Psychology of Gender (3) (S07)
- SOCSC 105 Women's Studies (3) (F01)

D.5 GEOGRAPHY

- GEOG 102 Cultural Geography (3)
- GEOG 104 California Geography (3)(F08)
- GEOG 105* Economic Geography (3)(F00)
- GEOG 110 World Regional Geography(3)(F97)

D.6 HISTORY

- ECON 115* Econ Hist of the US (3)
- HIST 101 History of US to 1877 (3)
- HIST 102 History of the US- Post Civil War(3)
- HIST 104* Western Civilization to 1650 (3)
- HIST 105* Western Civilization Since 1650 (3)
- HIST 106* World Civ. to the 16th Century (3) (F02)
- HIST 107* World Civ. from the 16th Century (3) (F02)
- HIST 112 Twentieth Century Amer (3)
- HIST 113* Soc & Cult Hist of US Prior to 20th Cent(3)
- HIST 115* Econ History of the US(3)
- HIST 116* Women in Amer History (3)
- HIST 119* Soc & Cult Hist 20th Cent Amer (3) (F00)
- HIST 125 History of Mexico (3)
- HIST 128* Hist of Amer Far Western Frontier (3)(F94)
- HIST 129 History of California (3)
- HIST 145 History of Latin Amer (3)
- HIST 154* Hist Afr. Amer. thru 19th Cent (3) (F95)
- HIST 155* Afr. Amer. in 20th/21st Cent (3)(F99)

D.7 INTERDISCIPLINARY SOCIAL OR BEHAVIOR SCIENCE

- AGGE 146 Ag, Envir & Soc. (3) (F97)
- CLDDV 103* Child Growth & Development (3)(F09)
- CLDDV 104* & 105* Child Grwth/Dev (complete sequence)(2-2)(F10)
- CLDDV 262 Diversity in Educ. Settings (3)(F08)
- ENSCI 110 Calif Water (3) (F98)
- FAMLF 131* Family Relationships (3)(S07)
- RATV 150 Introduction to the Media Arts (3) (F10)
- SPCOM 103 Interpersonal Communication(3)(F08)
- SPCOM 130* Intercultural Communication (3)(F97)

D.8 POLITICAL SCIENCE, GOVERNMENT AND LEGAL INSTITUTIONS

- PHILO 130 Political Theory (3)
- POLSC 101 American Politics(3)

- POLSC 102 The Const & the Rights of Americans (3)
- POLSC 110 International Relations (3)
- POLSC 111 War & Peace: From Lenin to Al Qaeda (3)
- POLSC 120 Calif Politics & Problems(3)

D.8 POLITICAL SCIENCE, GOVERNMENT AND LEGAL INSTITUTIONS

- POLSC 130 Political Theory (3)
- POLSC 131 American Political Thought (3) (S07)
- POLSC 140 Comparative Politics (3)

D.9 PSYCHOLOGY

- PSYCH 101 General Psychology (3)
- PSYCH 105 Abnormal Psychology (3) (S07)
- PSYCH 111* Psychology of Gender (3) (S07)

AREA E:

Lifelong Understanding and Self-Development

Complete one course from the following list.

- CLDDV 103* Child Growth/Development (3) (F07)
- CLDDV104* & 105* Child Grwth/Dev (complete sequence)(2-2)(F07)
- COLSK 100 Found for 1st Yr College Success (3)(Su11)
- FAMLF 131* Family Relationships (3)
- HE 110 Healthful Living (3)
- HE 111 Women's Health Issues (3)
- PSYCH 104 Social Psychology (3)
- PSYCH 110 Human Sexualities (3)
- PSYCH 130 Personal Adjustment (3)
- PSYCH 141 Human Lifespan (3)

Total Units required for General Education: 39

CSU US History, Constitution and American Ideals

Six (6) units are needed to complete the US History & Government requirement for the BA/BS degree. Three (3) units from **Group a** and three (3) units from **Group b** or six (6) units from **Group c**. Six (6) units may also be counted toward **Area D**.

Group a.

- ECON115 Econ Hist of US (3) (F04)
- HIST 101 Hist. of US to 1877 (3)(F04)
- HIST 102 Hist of US post Civil War (3)(F04)
- HIST 112 Twentieth Cent. America(3) (F04)
- HIST 113 Soc & Cult Hist US Prior to 20th Cent (3)(F04)
- HIST 115 Econ Hist of US (3) (F04)
- HIST 116 Women in Amer History (3) (F04)
- HIST 119 Soc & Cult Hist 20th Cent Amer (3) (F04)
- HIST 154 Hist of Afr Amer thru 19th Cent (3) (F04)
- HIST 155 Hist Afr Amer 20th/21st Centuries(3) (F04)

Group b.

- POLSC 101 American Politics (3) (F04)
- POLSC 102 The Const. & Rights of Americans (3)(F04)
- POLSC 120 Calif Politics & Prob (3) (F04)

OR

Group c.

- HIST 101 Hist of the US to 1877(3)(F04)
- HIST 102 Hist of the US-Post Civil War (3) (F04)



IGETC Transfer Pattern 2011-2012

MJC General Education Transfer pattern for California State University or the University of California

IGETC is a general education pattern that, upon full or partial completion (defined as "all but two courses"), will fulfill some or all lower-division general education requirements at California State University (CSU) campuses and most University of California (UC) campuses/majors. It is also accepted by some private/independent or out of state universities. IGETC is not the only way to fulfill the lower division GE requirements of a UC or CSU campus prior to transfer. It is recommended that students consult with a counselor or enroll in a Guidance class to ensure individual educational goals are being met. Requests for complete or partial IGETC certification must be made in the MJC Records Office, Morris Building, Room 105. For information see "Certification of General Education" on page 64 of the 2011-2012 MJC catalog. All courses must be passed with a grade of "C" or higher, "P", or "CR".

AREA 1: English Communication

If you plan to attend CSU, choose 3 courses, 1 from each group. If you plan to attend UC, choose 2 courses, 1 from Group A, and 1 from Group B.

Group 1A: English Composition

One course, or three (3) semester units.
ENGL 101 Composition & Reading (3)

Group 1B: Critical Thinking/English Composition

One course, or three (3) semester units
ENGL 103 Adv. Comp & Critical Thinking (3)
PHILO 105 Reasoning (3)
PHILO 107 Philo of Science (3) (F93)
SPCOM 104 Argumentation (3) (F93)

Group 1C: Oral Communication (CSU ONLY)

One course, or three (3) semester units
SPCOM 100 Fundamentals of Public Speaking (3)
SPCOM 102 Introduction to Human Communication (3)
SPCOM 110 Persuasion (3) (S06)

AREA 2: Mathematical Concepts and Quantitative Reasoning

One course, or three (3) semester units
CMPSC 219 Discrete Structures for Computer Science (4)(F10)
MATH 101 Math Ideas & Application (3)
MATH 111 Applied College Algebra (3) (F02)**
MATH 121 Pre-Calculus 1 (5)(F98)**
MATH 122 Pre-Calculus 2 (5)(F98)**
MATH 130 Finite Mathematics (3)
MATH 134 Elementary Statistics (5)
MATH 138 Calculus for Business/Soc Sci (3)**
MATH 171 Calculus: First Course (5)**
MATH 172 Calculus: Second Course (5)
MATH 173 Calculus: Third Course (5) (S07)
MATH 174 Intro-Linear Algebra & Diff Eq (5)(S07)

AREA 3: Arts and Humanities

For UC and CSU, choose at least three (3) courses/ nine (9) semester units. One course must be from 3A and one from 3B, & one **additional** course from *either* 3A or 3B.

Group 3A. Arts

ARCH 117 Hist of Architecture 1 (3)**
ARCH 118 Hist of Architecture 2 (3)**
ART 160 Appreciation of Art (3)
ART 161 American Art (3)
ART 162 Hist of Renaissance Art (3)(F95)
ART 163 History of Modern Art (3)(F95)
ART 164 History of Art 1 (3)
ART 165 History of Art 2 (3)
ART 169 Hist of Non-Western Art (3)(F99)
MUSG 101 Music Appreciation (3)
MUSG 102 Intro to World Music (3)(F99)
MUSG 111 Intro to American Popular Music (3)(S07)
MUSG 121 Hist of Western Music 1 (3)(S05)
MUSG 122 Hist of Western Music 2 (3)(S05)
MUST 121 Music Theory 1(3)
MUST 122 Music Theory 2 (3)
MUST 123 Music Theory 3 (3)
MUST 124 Music Theory 4 (3)
PE 194 Intro to World Dance (3)(S01)
THETR 100 Intro to Theatre Arts (3)
THETR 102 World Theatre (3) (S06)
THETR 165 Hist of American Musical Theatre (3)(S07)
THETR 194 Intro to World Dance (3)(S01)

Group 3B. Humanities

ANTHR 104^A Linguistic Anthropology (3)(SU07)
ENGL 102 Adv Comp & Intro to Lit (3)(S07)
ENGL 112 Intro Novel & Short Story (3)
ENGL 114 Intro to Poetry (3)
ENGL 116 Intro to Drama (3)
ENGL 131 Intro to World Lit to 1500 (3)
ENGL 132 Intro to World Lit 1500 to Present (3)
ENGL 135 Survey of American Lit to 1850 (3)
ENGL 136 Survey of American Lit 1850 to Present (3)
ENGL 137 Survey of English Lit to 18th Cent(3)
ENGL 138 Survey of English Lit 1700-Present (3)
ENGL 151 Folklore (3)(F01)
ENGL 156 Bible as Lit: Hebrew Canon and... (3)
ENGL 157 Bible as Lit: New Testament (3)
ENGL 161 Film Appreciation (4) (S05)
ENGL 162 History of Cinema (3) (F03)
ENGL 163 Intro to Shakespeare (3)
ENGL 168 Adolescent Literature (3)(S07)
ENGL 169 Children's Literature (3)(S07)
ENGL 171 Intro African-Amer. Lit (3)
ENGL 172 Intro to Chicano/a Lit (3) (F95)
ENGL 173 Intro to Latin American Lit (3) (F95)
ENGL 174 Intro to Modern Asian Lit (3) (S05)
ENGL 175 Introduction to Women's Literature (3)
ENGL 176 Intro to Mexican Literature (3) (S05)
ENGL 179 Intro Nat.Amer Lit-Myth-Oral Trad(3)(F99)
FREN 102 French 2 (5)(S07)
FREN 103 French 3 (5)
FREN 104 French 4 (5)
GERM 102 German 2 (5)(S07)
HIST 104^A Western Civil. to the 1650 (3)(F10)
HIST 105^A Western Civil. since 1650 (3)(F10)
HIST 106^A World Civil. to the 16th Century (3)(S07)
HIST 107^A World Civil. from the 16th Century (3)(F10)
HUMAN 101 Intro to the Humanities (3)
HUMAN 105 Early Humanistic Traditions (3)
HUMAN 106 Human in Modern World (3)
HUMAN 110 East Meets West (3)
HUMAN 130 Intro. to Western Religions (3) (S03)
HUMAN 140 Intro to World Mythologies (3) (S06)
PHILO 101 Philosophy (3)
PHILO 111 Ethics: Theory & Appl (3)
PHILO 113 Philosophy of Art (3) (Su08)
PHILO 115 Religion: Philo & Comp Inq (3)
PHILO 120 Hist of Philosophy: Ancient (3)
PHILO 121 Hist of Philosophy: Modern (3)
PHILO 123 Twentieth Century Philosophy (3)(F02)
PHILO 135 Environmental Ethics (3)(F09)
PHILO 140 Philosophy & Film (3)(S07)
SIGN 126 ASL - Int Comm. w/ the Deaf (3)(F97)
SIGN 127 ASL - Adv Comm. w/ the Deaf (3)(F97)
SPAN 102 Spanish 2 (5)(F08)**
SPAN 103 Spanish 3 (5)(F92)
SPAN 104 Spanish 4 (5)(F92)
SPAN 112 Intro to Chicano/a Lit. (3)**
SPAN 173 Survey of Latin American Lit (3) (S06)

AREA 4: Social and Behavioral Sciences

At least three courses/nine (9) semester units in a minimum of two disciplines.

Group 4A. Anthropology & Archaeology

ANTHR 102 Cultural Anthropology (3)
ANTHR 104^A Linguistic Anthropology (3)(SU07)
ANTHR 130 Archaeology & Cult Prehist (3)
ANTHR 140 Magic, Witchcraft, and Religion (3)(S07)
ANTHR 150 Native People of North America (3)

Group 4B. Economics

ECON 101 Principles of Macroeconomics (3)

ECON 102 Principles of Microeconomics (3)
ECON 115^A/HIST 115^A Econ History of the US (3)**
HIST 115^A/ECON 115^A Econ History of the US (3)**

Group 4C. Ethnic Studies

HIST 113^A Soc & Cult Hist of US Prior to 20th Cent (3)(F10)
HIST 119^A Soc & Cult Hist 20th Cent Amer (3)(F10)**
HIST 128^A Hist of Amer Far Western Frontier (3)(F94)
HIST 154^A Hist Afr. Amer. thru 19th Cent (3)(F10)
HIST 155^A Afr-Amer in 20th & 21st Cent. (3)(F02)**
SPCOM 130^A Intercultural Communication (3)(F08)

Group 4D. Gender Studies

HIST 116^A Women in Amer History (3)(F10)
PSYCH 111^A Psychology of Gender (3)(S07)**

Group 4E. Geography

GEOG 102 Cultural Geography (3)
GEOG 104 California History (3)(F08)
GEOG 105 Economic Geography (3)(S00)
GEOG 110 World Regional Geography (3)(S07)

Group 4F. History

ECON 115^A/HIST 115^A Econ History of the US (3)**
HIST 101 History of the US to 1877 (3)
HIST 102 Hist of the US-Post Civil War (3)
HIST 104^A Western Civilization to 1650 (3)
HIST 105^A Western Civilization Since 1650 (3)
HIST 106^A World Civ. to the 16th Century (3)(F02)
HIST 107^A World Civ. from the 16th Century(3)(F02)
HIST 112 20th Century America (3)**
HIST 113^A Soc Ctril. Hist of US prior to 20th Cent.(3)
HIST 115^A/ECON 115^A Economic Hist of the US**
HIST 116^A Women in American Hist (3)
HIST 119^A Soc/Ctril Hist. 20th Cent Amer (3)(F00)**
HIST 125 History of Mexico (3)
HIST 128^A Hist. of American Far Wstrn Front (3)(F95)
HIST 129 History of California (3)
HIST 145 History of Latin American (3)
HIST 154^A Afr-Amer thru 19th Cent.(3)(F99)
HIST 155^A Afr-Amer in 20 and 21st Cent. (3)(F02)**

Group 4G. Interdisciplinary, Social & Behavioral Sciences

CLDDV 103 Child Growth and Development (3)(F09)**
ENSCI 110 California Water (3)(F98)
FAMLF 131 Family Relationships (3)(S07)
RATV 150 Introduction to the Media Arts (3)(F10)
SPCOM 103 Interpersonal Communication(3)(F08)
SPCOM 130^A Intercultural Comm. (3)(F97)

Group 4H. Political Science, Government & Legal Institutions

PHILO 130^A/POLSC 130^A Political Theory (3)**
POLSC 101 American Politics (3)
POLSC 102 Const & Rights of Americans (3)
POLSC 110 International Relations (3)
POLSC 111 War & Peace: From Lenin to Al Qaeda (3)
POLSC 120 Calif Politics & Problems (3)
POLSC 130^A/PHILO 130^A Political Theory (3)**
POLSC 131 American Political Thought (3)(S07)
POLSC 140 Comparative Politics (3)

Limitations of IGETC

IGETC is not recommended for certain colleges and majors. Please see IGETC Considerations on page 76 of the 2011-2012 Catalog.

Group 4I. Psychology

PSYCH 101 General Psychology (3)
PSYCH 104 Social Psychology (3)
PSYCH 105 Abnormal Psychology (3)(S07)
PSYCH 110 Human Sexualities (3)**
PSYCH 111^A Psychology of Gender (3)(S07) **
PSYCH 141 Human Lifespan (3)**

Group 4J. Sociology & Criminology

SOCIO 101 Introduction to Sociology (3)
SOCIO 102 Social Prob. in the US (3)(F99)
SOCIO 125 Sociology of the Family (3)
SOCIO 150 Ethnic & Culture in America (3)
SOCIO 154 Afr-Amer Cultures and Communities (3)
SOCIO 156 Mexican Culture in the US (3)
SOCSC 105 Women's Studies (3)(S01)

AREA 5: Physical and Biological Sciences

Select at least two courses (7-9 semester units). Choose one course from 5A and one course from 5B required. One course from 5A or 5B must be a laboratory marked with a single asterisk (*).

5A. Physical Science

ASTRO 141 Intro to Astrophysics (3)
ASTRO 141/151^{*} Intro to Astrophysics w/ lab (3)(1)
ASTRO 160 Intro to Modern Astronomy (3)**
ASTRO 160/151^{*} Intro to Mod Astro w/ Lab (3)**(1)
CHEM 101^{*} General Chemistry 1 (5)
CHEM 102^{*} General Chemistry 2 (5)
CHEM 112^{*} Organic Chemistry 1 (5)**
CHEM 113^{*} Organic Chemistry 2 (5)
CHEM 142 Pre-General Chemistry (3)**
CHEM 143^{*} Intro College Chem (5)**
CHEM 144^{*} Fund of Organic & Biochemistry (4)**
CHEM 150 Exploring Our Chemical Environment (3)(F09)**
CHEM 150/164^{*} Exploring Our Chem Env/Lab (3)(F09)(2)(F07)**
EASCI 161^{*} Earth Science (4)**
EASCI 162^{*} Introduction to Oceanography (4)(Su08)
GEOG 101 Physical Geography (3)
GEOL 160 Intro to Geology (3)(F99)**
GEOL 161^{*} Physical Geology (4)**
GEOL 165 Geology of California (3)
GEOL 166^{*} Historical Geology (4)
METEO 161^{*} Introduction to Meteorology(4)(Su08)
NR 200^{*} Soils (4)(F09)
PHSCI 161 Science Matters (3)**
PHSCI 161/164^{*}Sci Matters/Phys Sci Envir Lab (1)(F09)**
PHYS 101^{*} Gen Phys: Mechanics (5)**
PHYS 102^{*} Gen Phys: Waves, Therm, Optics(5)**
PHYS 103^{*} Gen Phys: Elct, Mag, Mod Phys (5)**
PHYS 142^{*} Mech, Heat & Waves (5)**
PHYS 143^{*} Elect, Magnetism, Optics... (5)**
PHYS 160 Descrip Intro to Physics (3)**
PHYS 160-164^{*}Descrip Intro to Physics/Lab (3-1)(F10)*
PHYS 165^{*} Introductory Physics (5)**
PHYS 180^{*} Conceptual Physics:Hands On (4)(Su08)**

5B. Biological Sciences

ANAT 125^{*} Human Anatomy (5)(S07)**
ANSC 200 Intro to Animal Science (3)(S06)
ANTHR 101 Physical Anthropology (3)(F91)
ANTHR 101/105^{*} Physical Anthro w/ Lab (3-1)(F91)(F98)
AP 150^{*} Integrative Anat and Physio (5)(S07)**
BIO 101^{*} Biological Principles (5)**
BIO 111^{*} General Biology (4)**
BIO 114^{*} General Ecology (4)(F10)
BIO 115 Genetics, Evolution, and Society (3)(S07)
BIO 116^{*} Biology: A Human Perspective (4)(F10)
BIO 140^{*} Intro to Marine Biology (4)**
BIO 145^{*} Intro to Freshwater Biology (4)**
BOT 101^{*} General Botany (4)**
BOT 110^{*} Plant Biology (3) (S04)**
ENSCI 108 Environmental Conservation (3) (F97)
MICRO 101^{*} Microbiology (4) (F95)
PHYSO 101^{*} Introductory Human Physio (5)**

PHYSO 103 Introduction to Neuroscience (3)(Su08)
PSYCH 103 Introduction to Neuroscience (3)(F91)
ZOO 101^{*} General Zoology (4)**

AREA 6A (UC Only) Languages Other than English

Students transferring to UC are required to demonstrate competence (proficiency) in a language other than English equal to two years of high school study. Competence may be demonstrated through one of the following mechanisms:

- 1) Completion of two years of high school coursework (US high school or high school in a country where the language instruction is in English) in a language other than English, with a grade of C minus or better in each course. The two years must be in the same language.
- 2) Complete one of the following MJC courses with a grade of "C" or better. The more advanced courses can also be used to satisfy IGETC: 3B requirement.
FREN/GERM/SPAN**/ITAL101(5) (F91)** (F07)
FREN/GERM/SPAN** 102 (5) (F05)
FREN/SPAN 103 (5) (F05)
FREN/SPAN 104 (5) (F05)
SIGN 125 (3) (F97)
SIGN 126 & 127 (3) (F05)
SPAN 109** (5) (F10)
SPAN 110 (5) (S07)
SPAN 111 (4) (F95-SU06)
SPAN 112** (3) (F98)
SPAN 173 (3) (SO6)

- 3) Satisfactory completion of course(s) at a college or university with a grade of C or better in each course. For the purpose of IGETC Area 6, the appropriate course(s) that can be used to satisfy Area 6 is indicated on the approved IGETC list for each college.
- 4) Satisfactory completion, with grades of C or better, of two years of formal schooling at the 6th grade level or higher in an institution where the language of instruction is not English. Appropriate documentation must be presented to substantiate that the required coursework was completed. If an official sealed transcript cannot be obtained from a foreign institution an unofficial transcript may be used to verify proficiency. Students who cannot provide documentation should either pass one of the examinations or tests listed below in 5 through 11 or satisfactorily complete an appropriate language course at their college as outlined in 2 above.
- 5) Achieve a satisfactory score on the SAT Subject Test in languages other than English. If the test was taken before May 1995, the first score is the minimum; if the test was taken after May 1995, use the second score.
Chinese with Listening: 500/520
French/French with Listening: 500/540
German/German with Listening: 500/510
Hebrew (Modern): 500/470
Italian: 500/520
Japanese with Listening: 500/510
Korean/Korean with Listening: /500
Latin: 500/530
Spanish/Spanish with Listening: 500/520
- 6) Achieve a score of 3 or better on a College Board Advanced Placement (AP) Examination in a language other than English.
- 7) Achieve a score of 5 or higher on an International Baccalaureate (IB) Higher Level Examination in a language other than English.
- 8) Satisfactory completion of achievement test (credit by exam) administered by a community college, university or other college in a language other than

IGETC TRANSFER PATTERN

English. The test must assess the student proficiency at a level equivalent to at least two years of high school language. This conclusion must be posted on a transcript indicating unit, course title, and grade; or on a document with letterhead of the institution granting proficiency stating that the student has mastered proficiency in the language equivalent to two years of high school language.

- 9) If an achievement test (credit by exam) is not available, a faculty member associated with a United States accredited institution of higher learning can verify a student's competency. The institution must provide a document on letterhead asserting that the student has mastered proficiency in the language equivalent to two years of high school study.
- 10) Language other than English "O" level exam with grade of A, B, or C. (Exams in British and former British Colonies.)
- 11) Language other than English International "A" level exam with a score of 5, 6, or 7. (Exams in British and former British colonies.)

US History, Constitution and American Ideals (AI) Requirement (CSU Only)

For CSU

The CSU US History, Constitution, and American Ideals (AI) graduation requirement is not part of IGETC. Courses used to satisfy this requirement may also be listed in Areas 3B and/or 4F. However, CSU campuses have the discretion whether to allow courses used to satisfy the CSU AI graduation requirement to count in both Area 3B/4F and to meet the AI graduation requirement. In the absence of specific knowledge of a CSU campus policy for double-counting, MJC will certify IGETC using the courses in areas 3B/4F and the CSU AI graduation requirement.

Complete six (6) units prior to transfer. Three (3) units from Group a. and three units from Group b, **OR** six (6) units from Group c.

- a. ECON 115 Econ History of the US (3) (F04)
HIST 101 Hist. of US to 1877 (3)(F04)
HIST 102 Hist of US post Civil War (3)(F04)
HIST 112 20th Cent. America (3)(F04)**
HIST 113 Soc./Cult. Hist US Prior 20th Cent. (3)(F04)
HIST 115 Econ History of the US (F04) (3)
HIST 116 Women in American History (3)(F04)
HIST 119 Soc/Cult. Hist 20th Cent Amer(3)(F04)**
HIST 154 Afr Amer thru 19th Cent.(3)(F04)
HIST 155 Afr-Amer in 20th & 21st Cent. (3)(F04)**
- b. POLSC 101 American Politics(3) (F04)
POLSC 102 The Const. & Rights of Amer.(3)(F04)
POLSC 120 Calif Politics & Probs (3) (F04)

OR

- c. HIST 101 Hist of US to 1877 (3) (F04)
HIST 102 Hist of US - Post Civil War (3)(F04)

Legend

- (3) Units earned
- (F97) Students completing this course prior to this Term and year will not be allowed to fulfill this requirement with this course.
- * Denotes a lab course.
- ** Indicates that transfer credit may be limited on specific course sequences at the UC. Please consult the UC Transfer Course Agreement available in Counseling, MM 103 or in the MJC Transfer Center.
- ^ Although listed in more than one area, the course may be counted toward only one IGETC pattern area

ACADEMIC PROGRAMS

ABOUT THE CSU Transfer Model Curriculum NEW IN 2011-12

What is the Transfer Model Curriculum?

Many students attend MJC to start their pursuit of an expansive college experience, often culminating in a bachelor's degree, masters degree, PhD, or other professional degree conferred by another institution. Students complete courses at MJC and then *transfer* to a four-year institution where their MJC coursework can apply as credit toward a four-year baccalaureate degree. This is a very common practice for California community college students who want to earn an associate degree and then earn a baccalaureate degree.

In 2010, state lawmakers approved a bill (SB 1440, Padilla 2010) to improve and streamline the process through which students transfer from community colleges to four-year institutions. One outcome of the bill is the *Transfer Model Curriculum* or TMC. The TMC are community college **majors** or **areas of emphasis** that consist of courses appropriate for an associate degree, that provide a foundational understanding of an academic discipline, and prepare the student for transfer to any CSU.

COMPARING THE TMC TO MJC'S UNIVERSITY PREPARATION PATHWAY

Like the TMC, MJC's *University Preparation Pathway* prepares MJC students to transfer. What distinguishes the TMC from the *University Preparation Pathway* is that the requirements for the TMC major have been developed with the collaboration of all California Community Colleges and California State Universities, resulting in associate degree requirements which are honored by CSUs who accept the TMC as appropriate preparation for the same major at their institution. Upon completion of the requirements for a TMC, the student is given priority admission into the major at the targeted CSU campus, with no more than 60 additional units required for a baccalaureate degree at the CSU.

ASSOCIATE DEGREES FOR TRANSFER

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

www.c-id.net

Upon completion of the requirements for a TMC associate degree, students will earn an *Associate of Science Degree for Transfer* (AS-T) or an *Associate of Arts Degree for Transfer* (AA-T) in a specific major. At this time, many associate degrees for transfer are in development at MJC and two have been approved and are being offered:

- Communication Studies (AA-T) p. 10
- Mathematics (AS-T) p. 12

BENEFITS OF COMPLETING THE TMC REQUIREMENTS FOR DEGREE

- Guaranteed admission to the CSU upon completion of the requirements for a TMC degree at Modesto Junior College.
- Only 60 units of transferable coursework are required for associate degree, with only 60 additional units required at the CSU for baccalaureate degree.
- Because the major requirements have been developed collaboratively by the faculty of the CSU and the California Community Colleges, coursework is guaranteed to transfer
- No local requirements (like Guidance, Activities) are required to earn an associate degree.

C-ID - THE BUILDING BLOCK OF THE TMC

In order to facilitate the TMC, the community colleges created a statewide numbering system to commonly identify courses using the **C-ID** or *Course Identification Numbering System*. After a state-level review process, courses commonly offered at California Community Colleges can be given a **C-ID**.

For example, Reedley College offers an introductory marriage and family course as *SOC 32: Courtship, Marriage, and Divorce: Family and Interpersonal Relationships*. MJC offers an almost identical course, *SOCIO 125: Sociology of the Family*. The state has attached a C-ID to both courses. In this case, it is *C-ID 130 Introduction to Marriage and Family*.

C-ID will allow students to easily identify courses offered at different community colleges, and the use of the system is facilitating the development of consistent requirements for associate degrees by faculty of colleges statewide.

CERTIFICATION OF GENERAL EDUCATION

After completing the IGETC or CSU-GE patterns, or the University Preparation Pathway, **you will need to request that your transfer pattern coursework be certified by the Records Office, Morris Building Room 105**. MJC General Education certification means that your transfer pattern coursework at MJC is officially recognized by the transfer institution as fulfillment of the corresponding General Education requirement(s) for baccalaureate degree when all coursework is completed with a C or better. If you do not have your MJC coursework certified, you can be held accountable for the target institution's General Education requirements upon commencing your study at that institution. The certification is recognized by the California State University system and the University of California system. ♦



CSU Transfer Model Curriculum **2011-2012**

Earn an associate's degree while preparing to transfer to CSU. Successfully complete* the following steps to earn an associate's degree from MJC while simultaneously satisfying lower-division general education requirements for bachelor's degree at the California State University. While satisfactory completion of these requirements does not guarantee admission to a specific California State University, it will demonstrate that you have satisfied many "lower-division" requirements in preparation for upper-division study. Enroll in a Guidance class or meet with a counselor so that you complete each step accurately and efficiently. To learn more about the Transfer Model Curriculum, see page 8.

TO EARN AN ASSOCIATE DEGREE FOR TRANSFER:

- 1 Complete 60 units in courses numbered 100 to 299**, twelve (12) of which must be completed "in-residence" at MJC. All courses numbered 100-299 will transfer to CSU. Consult an MJC Counselor or www.assist.org for information on transferable MJC courses. Only one degree may be awarded in any one program.
- 2 Earn an overall GPA of 2.0 or higher** (C average) based on all work attempted in college courses numbered 50 to 399.
- 3 Fulfill the general education requirement*** for the school you plan to attend by successfully completing the appropriate General Education (GE) transfer pattern requirements (with a C or better in each course) as indicated below. Upon completion of the requirements, **you will be eligible for a Certificate of Achievement in CSU-GE or IGETC from MJC**. For more information, visit the Evaluations Office, Morris Building Room 107. Successful completion will also demonstrate that you have met or exceeded state-required competencies for reading, writing, and mathematics.

Complete one of the following two general education patterns:

 - CSU-GE Transfer Pattern (p 4) of the 2011-12 MJC Catalog Addendum.
 - IGETC Transfer Pattern (p. 6) of the 2011-12 MJC Catalog Addendum and follow CSU requirements.
- 4 Select and complete an Associate's Degree for Transfer**
 - Communication Studies (AA-T) p. 10 of the MJC Catalog Addendum
 - Mathematics (AS-T) p. 12 of the MJC Catalog Addendum
- 5 Earn a grade of C or better** in every course completed for the AS-A or AS-T major
- 6 Apply for your degree.** The Associate in Arts Degree for Transfer (AAT), Associate in Science Degree for Transfer (AST) are not automatically awarded when you complete the requirements. You will need to file an Application for Associate's Degree in the Evaluations Office (Morris Memorial Building Room 107) after enrolling in courses for the semester in which you intend to graduate. Requirements may be completed during any semester or summer session. The graduation ceremony is held only at the end of spring semesters.

Certification of general education requirements for transfer: The CSU system accepts full certification or subject-area certification upon completion of lower-division GE requirements. When applying to the transfer institution and requesting MJC transcripts, students should request GE certification.

*Students who possess a baccalaureate or higher degree completed at a regionally accredited college or university will have satisfied general education and competency requirements including guidance and activities for AA or AS Degree.

Academic Programs

The programs listed below are included in the 2011–2012 Catalog Addendum because they are new, modified, or may have been published incorrectly in previous catalog(s).

NEW IN 2011–2012

Communication Studies for Transfer PROGRAM

ABOUT THIS PROGRAM

This program is designed to prepare students who wish to transfer to a CSU and major in Communication Studies. This program will provide students with an alignment of courses required for transfer and a cohesive group of courses in the area of Speech Communication. Courses such as public speaking, argumentation, and interpersonal communication will enable the student to demonstrate ability to engage in critical thinking and rationality.

The Associate in Arts in Communication Studies for Transfer degree includes curriculum which focuses on practical application of communication skills and communication theory. Students who complete the degree will be able to demonstrate communication competence in both personal and business relationships.

The Associate in Arts in Communication Studies for Transfer is intended for students who plan to complete a bachelor's degree in Communication Studies at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. *In all cases, students should consult with a counselor for more information on university admission and transfer requirements.*

AA–T: Communication Studies

EXPECTED STUDENT LEARNING OUTCOMES

Students who earn an Associate of Arts degree in Communications Studies will be able to:

1. Construct a speech outline demonstrating clarity of ideas, proper source citations, awareness of audiences, and proper outlining techniques.
2. Identify and apply principles of interpersonal communication theory to build functional relationships.
3. Find, evaluate, and incorporate research materials into written and oral argumentation, as well as cite sources accurately.
4. Adequately debate others, present platform speeches, or perform works of literature in a classroom or outside venue.

- To earn an Associate in Arts for Transfer Degree in this major, the student must complete the requirements detailed in the Transfer Model Curriculum pathway (p. 9 of the 2011–12 addendum only). All courses must be completed with a C or better.

REQUIRED COURSES (3 UNITS)

SPCOM 100	Fundamentals of Public Speaking	3
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A. COMPLETE 6 UNITS:

SPCOM 104	[NP]	Argumentation	3	OR
SPCOM 107	[NP]	Introduction to Debate	3	
SPCOM 103	[NP]	Interpersonal Communication	3	
SPCOM 106	[NP]	Group and Organizational Communication	3	

B. COMPLETE 6 UNITS:

Any course not used in LIST A				
SPCOM 105*	[NP]	Forensics Debate	2	
SPCOM 115*	[NP]	Forensics Platform Speeches	2	
SPCOM 125*	[NP]	Forensics Interpretation Events	2	
SPCOM 130	[NP]	Intercultural Communication	3	
SPCOM 102	[NP]	Introduction to Human Communication	3	
SPCOM 120	[NP]	Oral Interpretation	3	
SPCOM 110	[NP]	Persuasion	3	

*Forensics limited to 3 units

C. COMPLETE 3 UNITS:

Any course not used in LIST A or LIST B				
SPCOM 101	[NP]	Voice and Articulation	3	
SPCOM 109	[NP]	Women in Management	3	
SPCOM 122	[NP]	Readers' Theatre	3	
SPCOM 123	[NP]	Storytelling	3	
SPCOM 124	[NP]	Advanced Readers' Theatre	3	

TOTAL UNITS IN AA-T MAJOR 18

Fire Science PROGRAM

Certificate of Achievement: Fire Science

- To earn a Certificate of Achievement, the student must complete the coursework as indicated below. Each course must be completed with a grade of C or better.

REQUIRED COURSE - COMPLETE 3 UNITS

FSCI 301	[1]	Fire Protection Organization	3
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ELECTIVE COURSES - COMPLETE 27 UNITS

FSCI 302	[2]	Fire Prevention Technology	3
FSCI 303	[2]	Fire Protection Equipment and Systems	3
FSCI 304	[2]	Building Construction for Fire Protection	3
FSCI 305	[1]	Fire Behavior and Combustion	3
FSCI 309	[NP]	Fire Management 2E	2
FSCI 311	[NP]	Rescue Systems 1	2
FSCI 312	[NP]	Fire Investigation 2A	2
FSCI 322	[4]	Fire Science Career Development/Promotions	3
FSCI 323	[4]	Fire Hydraulics	3
FSCI 327	[2]	Fire Apparatus and Equipment	3
FSCI 328	[4]	Investigation of Fires	3
FSCI 332	[3]	Fire Fighting Tactics and Strategy	3
FSCI 336	[3]	Rescue Practices	3
FSCI 337	[3]	Wildland Fire Control	3
FSCI 346	[NP]	Instructional Methods for Fire Training Officers	2
FSCI 347	[NP]	Fire Prevention 1C	2
FSCI 348	[NP]	Public Fire Education 1	2
FSCI 350	[NP]	Fire Command 1A	2
FSCI 351	[NP]	Fire Command 1B	2
FSCI 352	[NP]	Training Instructor 1A	2
FSCI 353	[NP]	Training Instructor 1B	2
FSCI 354	[NP]	Fire Prevention 1A	2
FSCI 355	[NP]	Fire Prevention 1B	2

FSCI 356	[NP]	Fire Management 1	2
FSCI 357	[NP]	Fire Investigation 1	2
FSCI 362	[2]	Basic Fire Academy	8
FSCI 363	[2]	Advanced Fire Academy	9
FSCI 364	[NP]	Driver/Operator 1A	2
FSCI 368	[NP]	Fire Apparatus Driver/Operator 1B	2
FSCI 365	[NP]	Emergency Aid First Responder	1
FSCI 371	[NP]	Fire Command 2A	2
FSCI 372B	[NP]	Fire Management 2B	2
FSCI 373	[NP]	Fire Instructor 2A	2
FSCI 374	[NP]	Fire Instructor 2B	2
FSCI 398	[NP]	Fire Science Special Topics	½
EMS 350	[1]	First Responder with Health Care Provider CPR	3
EMS 380	[1]	Basic ECG Interpretation	3
EMS 389	[1]	Emergency Medical Technician 1 LAB	½
EMS 390	[1]	Emergency Medical Technician 1	6
EMS 391	[NP]	Emergency Medical Tech. 1 (Refresher)	1
NR 379	[NP]	Wildland Fire Control	1

TOTAL UNITS FOR CERTIFICATE OF ACHIEVEMENT 30

A.S. Degree: Fire Science

To earn an Associate in Science Degree in this major, the student must complete the requirements detailed in the Career Technical Education Pathway (p. 67) or the University Preparation Pathway (p. 65) which include completion of the requirements for certificate of achievement in Fire Science.

MINIMUM UNITS IN AS MAJOR 30

Maintenance Electrician PROGRAM

Courses are intended for students that are interested in career opportunities in the Plant or Facilities Maintenance Electrician field as well as those currently working in the industry who need to update or upgrade their knowledge and skills.

Certificate of Achievement: Maintenance Electrician

- To earn a Certificate of Achievement, a student must complete the coursework as indicated below. Each course must be completed with a grade C or better.

REQUIRED COURSES – COMPLETE 24½ UNITS

INTEC 203	[1]	Industrial Mechanical/Pneumatic Components	3
INTEC 208	[1]	World of Electricity & Electronics	3
INTEC 223	[2]	Industrial Elec. Comp. & Control Dev.	3
INTEC 229	[3,4]	Commercial and Industrial Wiring	3½
INTEC 226	[4]	Motors and Motor Controls	3
INTEC 248	[2]	Electrical Codes & Ordinances	3
INTEC 261	[3]	Introduction to Plant Maintenance	3
INTEC 265	[NP]	Troubleshooting Techniques	1
ELTEC 232	[4]	Intro to Program. Logic Controllers	2

TOTAL UNITS FOR CERTIFICATE OF ACHIEVEMENT 24½

A.A. Degree: Maintenance Electrician

- To earn an Associate in Arts Degree in this major, the student must complete the requirements detailed in the Career Technical Education Pathway (p. 67) or the University Preparation Pathway (p. 65) which include completion of the requirements below. All courses must be completed with a C or better.

REQUIRED COURSES – COMPLETE 21½ UNITS

INTEC 115	[2,3]	Introduction to Technical Industries	1
INTEC 203	[1]	Industrial Mechanical/Pneumatic Components	3
INTEC 223	[1]	Industrial Elec. Comp. & Control Dev.	3
IINTEC 229	[3,4]	Commercial and Industrial Wiring	3½
INTEC 226	[2]	Motors and Motor Controls	3
INTEC 248	[4]	Electrical Codes & Ordinances	3
INTEC 261	[3]	Introduction to Plant Maintenance	3
ELTEC 232	[4]	Intro to Program. Logic Controllers	2

MINIMUM UNITS IN AA MAJOR 21½

A.S. Degree: Maintenance Electrician

- To earn an Associate in Science Degree in this major, the student must complete the requirements detailed in the Career Technical Education Pathway (p. 67) or the University Preparation Pathway (p. 65) which include completion of the requirements below. Each course must be completed with a C or better.

REQUIRED COURSES – COMPLETE 25½ UNITS

INTEC 202	[4]	Fundamentals of Industrial Technology	2
INTEC 203	[1]	Industrial Mechanical/Pneumatic Components	3
INTEC 208	[1]	World of Electricity & Electronics	3
INTEC 223	[2]	Industrial Elec. Comp. & Control Dev.	3
IINTEC 229	[3,4]	Commercial and Industrial Wiring	3½
INTEC 226	[4]	Motors and Motor Controls	3
INTEC 248	[3]	Electrical Codes & Ordinances	3
INTEC 261	[3]	Introduction to Plant Maintenance	3
ELTEC 232	[4]	Intro to Program. Logic Controllers	2

ELECTIVE COURSES – COMPLETE AT LEAST 5 UNITS

INTEC 115	[NP]	Introduction to Technical Industries	1
INTEC 221	[2,4]	Instrumentation Devices & Systems	3
INTEC 249	[4]	Analysis of Electrical Codes	3
INTEC 306	[2,4]	Intro to Occupational Safety & Health	3
ELTEC 234	[4]	Adv. Program. Logic Controllers	2

MINIMUM UNITS IN AS MAJOR 30½

NEW IN 2011-2012

Mathematics for Transfer PROGRAM

This program is designed to prepare students who wish to transfer to a California State University or University of California campus to complete a bachelor's degree in mathematics or a related field of study. It will provide training to master the techniques of integration and differentiation and use these techniques to model real-world applications.

The Associate in Science in Mathematics for Transfer degree includes curriculum which focuses on the mastery of integration and differentiation and using these techniques to model real-world applications.

The Associate in Science in Mathematics for Transfer degree is intended for students who plan to complete a bachelor's degree in Mathematics or a related field of study offered at various campuses in the California State University system. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system.

The Associate in Science in Mathematics for Transfer degree also offers the appropriate preparation for students who plan to complete a bachelor's degree in Mathematics at various campuses in the University of California system. However, students completing this degree are not guaranteed admission to the UC system.

In all cases, students should consult with a counselor or visit www.ASSIST.org for more information on university admission and transfer requirements.

AS-T Degree: Mathematics for Transfer

EXPECTED STUDENT LEARNING OUTCOMES

Students who earn an Associate of Science degree in Mathematics will be able to:

1. Successfully complete upper division coursework in mathematics.
 2. Master the techniques of integration and differentiation.
 3. Use these techniques to model real-world applications.
- To earn an Associate in Science for Transfer degree in this major, the student must complete the requirements detailed the Transfer Model Curriculum pathway (p. 9 of the 2011-12 addendum only) All courses must be completed with a C or better.

COMPLETE 25 UNITS:

MATH 171	[NP]	Calculus: First Course	5
MATH 172	[NP]	Calculus: Second Course	5
MATH 173	[NP]	Calculus: Third Course	5
MATH 174	[NP]	Introduction to Linear Algebra and Differential Equations.....	5
PHYS 101	[NP]	General Physics: Mechanics	5

TOTAL UNITS IN AS-T MAJOR 25

Note: Double counting courses in GE and the major is permissible

Office Support PROGRAM

The Office Support Certificate of Achievement is designed for students desiring to meet entry-level qualifications for office support positions which require keyboarding, telephone techniques, business document formatting, document organization, time management, word processing skills, Internet and e-mail protocol, and spreadsheet design.

Certificate of Achievement: Office Support

- To earn a Certificate of Achievement, the student must complete the following coursework. Each course must be completed with a grade of C or better.

REQUIRED COURSES - COMPLETE 18 UNITS

OFADM 301	[1]	Beginning Keyboarding.....	1½
OFADM 302	[1]	Beginning Document Processing.....	1½
OFADM 304	[1]	Professional English for Business	3
OFADM 305	[2]	Records Management	3
OFADM 312	[1]	Alphabetic Notetaking	3
OFADM 320	[1]	Telephone Techniques	1
OFADM 330	[2]	Beginning Word Processing.....	3
OFADM 359	[2]	Introduction to Spreadsheets.....	1
OFADM 363	[2]	Introduction to the Internet.....	1

MINIMUM UNITS FOR CERTIFICATE OF ACHIEVEMENT 18

Photography PROGRAM

Photography is both an artistic and a technical vocation. This program is designed to develop the student's aesthetic and technical abilities by working with design, composition, lighting, various types of image content, photographic processes, image critique, and presentation techniques.

A.A. Degree: Photography

EXPECTED STUDENT LEARNING OUTCOMES

In addition to demonstrating the abilities listed as General Education Student Learning Outcomes, students who complete the Associate's Degree in Photography will be able to:

1. Demonstrate preparedness to successfully continue studies in art at an upper division level.
2. Represent and interpret aspects of their physical and social environment in a variety of photography-related media.
3. Plan, design, and product original works of art.
4. Make informed assessments of quality and effectiveness in works of art, including their own. identify and distinguish various historical periods of photography-related art.

To earn an Associate in Science Degree in this major, the student must complete the requirements detailed in the Career Technical Education Pathway (p. 67) or the University Preparation Pathway (p. 65) which include completion of the requirements below Courses should be selected with the assistance of a Photography faculty advisor. Students who plan to transfer to a four-year college or university should consult with a Photography faculty advisor to ensure that all required transfer courses are completed.

REQUIRED COURSES - COMPLETE 18 UNITS

ART 124	[2]	Color and Design 1	3
ART 168	[1]	Survey of Photography.....	3
ART 170	[1]	Basic Photography	3
ART 172	[2]	Intermediate Photography	3
ART 173	[3]	Digital Photography	3
ART 175	[3]	Color Photography	3

ELECTIVE COURSES - COMPLETE AT LEAST 2 UNITS

ART 160	[1]	Appreciation of Art.....	3
ART 161	[NP]	American Art	3
ART 163	[NP]	History of Modern Art	3
ART 164	[NP]	History of Art 1	3
ART 165	[NP]	History of Art 2	3
ART 178B-D	[3]	Advanced Photography (can be repeated)	2-4
JRNAL 146B/C	[NP]	Pirates Log Photo Staff	2-3

MINIMUM UNITS IN AA MAJOR 20

Printing Maintenance PROGRAM

Certificate of Achievement: Printing Maintenance

To earn a Certificate of Achievement, the student must meet/complete the competencies for the Communication Graphics Program, and complete the coursework as indicated. Each course must be completed with a grade of C or better.

REQUIRED COURSES - COMPLETE 16 UNITS

CGR 214	[1]	Bindery	3
CGR 223	[1,2]	Lithographic and Flexographic Printing.....	3
CGR 332	[3,4]	Advanced Presses	3
MACH 301	[NP]	Machine Shop 1.....	3
ELTEC 265	[NP]	Troubleshooting Techniques.....	1
ELTEC 208	[NP]	The World of Electricity	3

TOTAL UNITS FOR CERTIFICATE OF ACHIEVEMENT 16

**Students completing two or more certificates will need to replace the second or third CGR 332 with a 399B Independent Study.*

Retail Management PROGRAM

The Retail Management Certificate Program is designed for individuals who are interested in or are currently employed in the retail industry and seek advancement into a managerial position in that field. Course work includes: retail store management, information systems, business mathematics, workplace writing, accounting, human resource management, marketing and business communications. Certificates are awarded to students in recognition of completion of specified requirements, which indicate proficiency. All certificate Required Courses must be passed with a "C" grade or better. Interested students should consult division advisors.

Certificate of Achievement: Retail Management (W AFC)

- To earn a Certificate of Achievement, the student must complete the following coursework. Each course must be completed with a grade of C or better.

REQUIRED COURSES - COMPLETE 27 UNITS

MATH 50	[1]	Business Math	3
ENGL 50	[1]	Basic Composition and Reading.....	3 OR
ENGL 101	[NP]	Composition and Reading.....	3
CMPS 201	[1]	General Computer Literacy.....	3 OR
CMPS 202	[2]	Business Information Systems	3
SPCOM 100	[1]	Fundamentals of Public Speaking.....	3 OR
SPCOM 101	[NP]	Voice and Articulation	3 OR
SPCOM 102	[NP]	Introduction to Human Communication.....	3 OR
SPCOM 106	[NP]	Group Organizational Communication	3
BUSAD 240	[2]	Principles of Management.....	3 OR
SUPR 351	[NP]	Elements of Supervision.....	3
BUSAD 310	[2]	Bookkeeping 1.....	3 OR
BUSAD 201	[NP]	Financial Accounting.....	4
BUSAD 377	[3]	Human Relations in Business.....	3
BUSAD 274	[3]	Human Resources Management.....	3
BUSAD 210	[2]	Business Communication	3 OR
OFADM 311	[NP]	Business Proofreading and Editing	3

TOTAL UNITS FOR CERTIFICATE OF ACHIEVEMENT..... 27

University Preparation

Emphasis in Earth Sciences

The study of earth science focuses on the physical, chemical, and biological aspects of the natural processes that govern natural resources, natural hazards, weather, and climate of the Earth system. Students should consult with a counselor or visit www.ASSIST.org for more information on university admission and transfer requirements.

AA Degree: University Preparation, Emphasis in Earth Sciences

EXPECTED STUDENT LEARNING OUTCOMES

Students who earn an Associate of Arts degree in University Preparation, Emphasis in Earth Sciences will be able to:

1. Successfully complete upper division coursework in mathematics.
 2. Identify physical features of the Earth system and relate them to processes operating within the Earth system
 3. Identify the basic rock-forming minerals, and the most common igneous, sedimentary and metamorphic rocks.
 4. Analyze topographic and geologic maps for evidence of tectonic and erosional processes.
 5. Identify and describe the properties of minerals, fossils, and rocks, and evaluate the tectonic and geologic environment that they formed in.
 6. Assess and evaluate evidence concerning the origin of the Earth and Solar System, and the evolution of life and landscapes on Earth through time.
 7. Identify and apply the vocabulary and principles of mechanics, wave theory, and thermodynamics to solve problems and explain natural phenomena.
 8. Use the skills and concepts of differentiation and integration to solve applied problems in physics.
 9. Effectively utilize the principles of chemistry including measurements and significant figures, chemical reactions, stoichiometry, gas laws and theory, thermodynamics, atomic structure and quantum mechanics, periodic properties, chemical bonding, molecular structure, intermolecular attractions and properties of liquids and solids, and properties of solutions
- To earn an Associate in Arts degree in this major, the student must complete the requirements detailed in the University Preparation pathway (p. 65 of the 2011-12 MJC Catalog) All courses must be completed with a C or better.

REQUIRED COURSES: COMPLETE 23 UNITS

GEOL 161	[NP]	Physical Geology.....	4	OR
EASCI 161	[NP]	Earth Science	4	
GEOL 166	[NP]	Historical Geology.....	4	
PHYS 142	[NP]	Mechanics, Heat, & Waves	5	OR
PHYS 101	[NP]	General Physics: Mechanics	5	
MATH 171	[NP]	Calculus: First Course	5	
CHEM 101	[NP]	General Chemistry 1	5	

ELECTIVE COURSES: COMPLETE 8 UNITS

ASTRO 160	[NP]	Introduction to Modern Astronomy.....	3	
ASTRO 151	[NP]	Introduction to Astronomy Laboratory.....	1	
BIO 101	[NP]	Basic Biology.....	5	
BIO 111	[NP]	General Biology	4	OR
MATH 172	[NP]	Calculus: Second Course.....	5	
CHEM 102	[NP]	General Chemistry 2.....	5	
METEO 161	[NP]	Introduction to Meteorology.....	4	
NR 200	[NP]	Soils.....	4	
EASCI 162	[NP]	Introduction to Earth Science.....	4	
PHYS 143	[NP]	Electricity, Magnetism, Optics, Atomic and Nuclear Structures	4	OR
PHYS 102	[NP]	General Physics: Waves, Thermodynamics, & Optics.....	5	
ZOOL 101	[NP]	4	
2-3 units of:				
GEOL 171	[NP]	Geology Field Studies.....	½ - 2	
GEOL 174	[NP]	Geology Summer Field Studies.....	3	

TOTAL UNITS IN AA MAJOR 31

Courses

The courses listed below are included in the addendum because they are new, modified, or were published incorrectly in previous catalog(s).

ART 110—CERAMICS 3 3 UNITS

Prerequisite: Satisfactory completion of ART 109.

Hand building, throwing techniques, and surface decoration; experiments in clay bodies, glazes and loading and unloading of kiln. Materials Fee Required. Three completions allowed. Field trips may be required. (A-F or P/NP) Lecture/Lab. **MJC Activities. Transfer:** (CSU, UC)

ENGTC 375—CONSTRUCTION BLUEPRINT READING 2 UNITS

Reading and interpreting basic two-dimensional blueprints, terminology symbols, notes and building code practices for building trades, and basic construction practices. (A-F or P/NP) Lecture /Lab.

FSCI 312— FIRE INVESTIGATION 2A 2 UNITS

Limitations on Enrollment: Enrollment limited to students who provide verification of completion of Fire Investigation 1B.

Provides information on conducting an explosive investigation and surveillance operation, preparing a search warrant, testifying as an expert witness, assembling a curriculum vitae, and properly documenting a criminally caused fire. Materials Fee Required. Student may repeat if required by regulation. Field trips might be required. (A-F Only) Lecture

GUIDE 109—INTERNATIONAL STUDENT/NEW AMERICAN FOCUS 1 UNIT

Recommended for Success: Before enrolling in this course, students are strongly advised to be eligible for ESL 45 and ESL 46.

Education and career planning for students whose previous education has been outside the United States. Acquaints students with the college, its curriculum, facilities, services, academic regulations, vocational and certificate programs, degree and transfer requirements. Reviews extracurricular activities, personal adjustment, American customs, culture shock, survival techniques and immigration regulations. A detailed educational plan is developed. Students must complete a conference with a counselor during the semester. Lecture. **MJC Guidance.** (P/NP Only) **Transfer:** CSU

PEC 126—JAZZ DANCE 1 UNIT

Also offered as THETR 188

Technique of Jazz Dance with explorations into contemporary derivations of jazz. Emphasis is given to technical style of this form, and to the interrelationship of music and movement. Field trips may be required. Lecture/Laboratory. **MJC Activities. Transfer:** (CSU, UC)

PEW 164— PEW 164 WOMEN'S INDOOR-OUTDOOR SOCCER ½-1 UNIT

Fundamentals of women's indoor and outdoor soccer. Four maximum completions. (A-F or P/NP - Student choice) Lecture /Lab. **Transfer:** (CSU, UC) (MJC-GE: Activities)