



MJC•GE 2017-2018

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 89 of the 2017-2018 MJC Catalog.

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

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

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| ANAT 125 Human Anatomy (4)(SU07) | BIO 140 Intro to Marine Bio (4) | EASCI 162 Intro to Oceanography (4)(SU08) | PHSCI 180 Cncptl Phsci: Hands-on (4)(SU15) |
| ANSC 200 Intro to Animal Sci (3) | BIO 145 Intro to Freshwater Bio (4) | ELTEC 208 Fund of Elect and Elect (3)(F97) | PHYS 101 Gen Phys: Mechanics (4) |
| ANTHR 101 [^] Biological Anthro (3) | BOT 101 Gen Botany (4)(SU10) | ENSCI 108 Environ Conservation (3) | PHYS 102 Gen Phys: Waves, Therm, Optics (4)(SU11) |
| ANTHR 105 Biological Anthro Lab (1)(F98) | BOT 110 Plant Biology (3)(SU16) | FDNTR 219 Intro to Nutr Sci (3) (SU17) | PHYS 103 Gen Phys: Elect, Mag & Mod Phys (4)(SU11) |
| AP 050 Elem Human Anat-Phys (3)(F96) | CHEM 101 Gen Chemistry 1 (5) | GEOG 101 Physical Geography (3) | PHYS 142 Mech, Heat & Waves (4) |
| AP 150 Integrative Anat and Physio (5) | CHEM 102 Gen Chemistry 2 (5)(SU09) | GEOG 111 Physical Geography, Lab (1)(SU17) | PHYS 143 Elect, Mag, Opt, Atm, & Nuclr (4)(SU11) |
| ASTRO 151 Intro to Astro Lab (1)(SU12) | CHEM 112 Org Chemistry 1(5)(SU11) | GEOL 160 Intro to Geology (3) | PHYS 160 Descrip Intro to Phys (3) |
| ASTRO 160 Intro to Modern Astro (3) | CHEM 113 Org Chemistry 2 (5)(SU10) | GEOL 161 Physical Geology (4) | PHYS 165 Intro Phys (4) |
| ASTRO 160/151 Intro to Mod Astro w/Lab (3,1)(SU12) | CHEM 122 Struct & React: Org Chem 1 (4)(SU15) | GEOL 165 Geology of California (3) | PHYS 180 Cncptl Phys: Hands-on (4)(SU08) |
| BIO 050 Basic Biology (3)(F97) | CHEM 123 Struct & React: Org Chem 2 (4)(SU15) | GEOL 166 Historical Geology (4) | PHYSO 101 Intro Human Physio (4)(SU07) |
| BIO 101 Biological Principles (4) | CHEM 142 Pre-Gen Chemistry (3) | METEO 161 Intro to Meteorology (4)(SU08) | PHYSO 103 Intro to NeuroSci (3)(SU08) |
| BIO 111 Gen Biology (4) | CHEM 143 Intro College Chmstry (4) | MICRO 101 Microbiology (4) | PLSC 200 Intro to Plant Sci (3) |
| BIO 114 Gen Ecology (4)(SU10) | CHEM 144 Fund of Org & Biochem (4)(SU09) | MICRO 111 Plagues of Humankind (3)(SU15) | PLSC 230 Fruit Sci (3) |
| BIO 115 Genetics, Evolution & Society (3)(F97) | CHEM 150 Explor Our Chem Environ (3) | NR 200 Soils (3) | PSYCH 103 Intro to NeuroSci (3) |
| BIO 116 Bio: A Human Prspctv (4)(SU10) | CHEM 164 Intro Chmstry Lab (2)(SU08) | PE 124 Intro to Kinesiology (3)(SU12) | ZOOL 101 Gen Zoology (4)(SU10) |
| BIO 128 Sierra Nev Nat Hstry (3)(SU16) | EASCI 161 Earth Sci (4) | PHSCI 52 The Way Things Work (3)(SU16) | |

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

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| ADJU 201 Intro to Admin of Justice (3) | ANTHR 150 Native People of N. Amer (3)(SU12) | FAMFL 131 [^] Family Relationships (3)(F15) | HIST 106 [^] World Civ to the 16th Cent (3)(F02) |
| ADJU 202 Princ/Proc of Just Syst (3)(SU12) | BUSAD 240 Principles of Mgmt (3) | GEOG 102 Cultural Geography (3)(F98) | HIST 107 [^] World Civ from the 16th Cent(3)(F02) |
| ADJU 203 Concepts of Criminal Law (3)(SU12) | CLDDV 103 [^] Child Growth & Devt (3) | GEOG 104 California Geography (3)(SU09) | HIST 112 20th Cent Amer (3) |
| ADJU 217 [^] Substance Abuse (3)(SU13) | CLDDV 109 Child Fam-Comm (3)(F14) | GEOG 105 Economic Geography (3)(F00) | HIST 113 Soc/Cltl Hstry 20th Cent Amer (3) |
| ADJU 235 Intro to Corrections (3)(SU07) | CLDDV 160 Intro to Children w/ Spec Needs (3)(F03) | GEOG 110 World Regional Geography (3)(F97) | HIST 115 Econ Hstry of the US (3) |
| AGEC 210 Elem of Ag Econ (3) | CLDDV 262 Diversity in Educ Settings (3)(SU09) | HE 112 [^] Intro to Public Health (3)(SU15) | HIST 116 Women in Amer Hstry(3)(SU11) |
| AGGE 146 Ag, Environ & Soc (3)(F97) | COMM 103 Intercultural Comm (3)(SU14) | HE 114 Health & Social Justice (3)(SU16) | HIST 119 Soc/Cltl Hstry 20th Cent Amer (3)(F00) |
| ANTHR 101 [^] Biological Anthro (3)(SU15) | COMM 130 InterCultural Comm (3)(SU14) | HE 115 Drugs, Health & Society (3)(SU17) | HIST 125 Hstry of Mexico (3)(SU11) |
| ANTHR 102 Cultural Anthro (3) | ECON 101 Principles of MacroEcon (3) | HIST 101 Hstry of US to 1877(3) | HIST 128 The American West (3) |
| ANTHR 104 [^] Linguistic Anthro (3)(SU07) | ECON 102 Principles of MicroEcon(3) | HIST 102 Hstry of US since 1865 (3) | HIST 129 Hstry of California (3)(SU11) |
| ANTHR 130 Arch & Cltrl Prehstry(3)(SU12) | ECON 115 Econ Hist of the US (3) | HIST 104 [^] Western Civ to 1650 (3)(SU11) | HIST 145 Hstry of Latin Amer (3)(SU11) |
| ANTHR 140 Magic, Witchcraft & Religion (3)(F97) | ENSCI 110 California Water (3)(F98) | HIST 105 [^] Western Civ since 1650(3)(F02) | HIST 154 Afri Amer thru 19th Cent (3)(F99) |

*Reflects Curriculum Committee MJC-GE approvals effective Summer 2017. Revised 3/15/17 LSM/sp

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

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| HIST 155 | Afri Amer in 20th/21st Cent (3)(F99) | POLSC 110 | International Relations (3) | PSYCH 051 | Psych in Everyday Life (3) | SOCIO 150 | Ethnic & Cultural in Amer (3) |
| HUMSR 101 | Intro to Human Services (3) | POLSC 111 | War/Peace: Lenin to Al Qaeda (3)(SU07) | PSYCH 101 | Gen Psych (3) | SOCIO 154 | Afri-Amer Cultural & Communities(3) |
| HUMSR 114 | Death & Dying (3)(SU08) | POLSC 120 | Calif Politics & Problems (3) | PSYCH 104 | Intro to Social Psych (3)(SU08) | SOCIO 156 | Mexican Cultural in the US (3) |
| HUMSR 142 | Intro to Psychos Rehab (3)(SU09) | POLSC 130 | Political Theory (3)(SU11) | PSYCH 105 | Abnormal Psych (3)(SU07) | SOCSC 105* | Women's Studies (3)(F01) |
| HUMSR 143 | Psychosoc Rehab Practice (3)(SU09) | POLSC 131 | Amer Political Thought (3)(SU07) | PSYCH 111 | Psych of Gender (3)(SU07) | SOCSC 110 | Intro to Elem Education (3) |
| PHILO 130* | Political Philosophy (3)(SU15) | POLSC 140 | Comparative Politics (3)(SU07) | SOCIO 101 | Intro to Sociology (3) | | |
| POLSC 101 | Amer Politics (3) | POLSC 165 | Political Sci Rsch Meth (3)(SU16) | SOCIO 102 | Social Problems in US (3)(F98) | | |
| POLSC 102 | Const & Rights of Pers (3) | POLSC 180 | Human Rights (3)(SU14) | SOCIO 125 | Sociology of the Family (3)(SU12) | | |

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

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| ANTHR 104* | Linguistic Anthro (3)(SU07) | ENGL 132 | Intro to World Lit 2 (3) | HIST 107* | World Civ frm 16th Cent (3)(SU11) | SIGN 125 | ASL: Begin Comm w/Deaf (3) |
| ART 102 | Intro to Computer Graphics (3)(SU15) | ENGL 135 | Surv Amer Lit to 1850 (3) | HUMAN 101 | Intro to the Humanities (3) | SIGN 126 | ASL: Interm Comm w/Deaf (3) |
| ART 120 | Basic Drawing 1 (3)(SU12) | ENGL 136 | Surv Amer Lit: 1850 to Prsnt (3) | HUMAN 105 | Early Humanistic Trad (3) | SIGN 127 | ASL: Adv Comm w/Deaf (3) |
| ART 124 | Color & 2D Fndtn Design (3)(SU07) | ENGL 137 | Surv Engl Lit to Late 18th Cntry (3) | HUMAN 106 | Humanities in Modern World (3) | SOCSC 105* | Women's Studies (3)(F01) |
| ART 140 | Sculpture 1 (3)(SU12) | ENGL 138 | Surv Engl Lit: Late 18th Cntry-Prsnt (3) | HUMAN 110 | East Meets West (3) | SOCSC 154 | Movies with a Message (3)(SU08) |
| ART 160 | Appreciation of Art (3) | ENGL 151 | Folklore (3) | HUMAN 130 | Intro to Western Religions (3)(F03) | SPAN 051 | Intro to Practical Span 1 (3) |
| ART 162 | Hstry of Renaissance Art (3) | ENGL 156 | Bible as Lit: Hebrew Canon &... (3) | HUMAN 140 | Intro to World Mythology (3)(F06) | SPAN 052 | Intro to Practical Span 2 (3) |
| ART 163 | Hstry of Modern Art (3) | ENGL 157 | Bible as Lit: New Testament (3) | ITAL 101 | Italian 1 (5)(SU08) | SPAN 101 | Spanish 1 (5) |
| ART 164 | Hstry of Art 1:Prehis to Gothic(3) | ENGL 161 | Film Appreciation (3) | MUSG 101 | Music Appreciation (3) | SPAN 102 | Spanish 2 (5) |
| ART 165 | Hstry of Art 2:Ren to Cotemp(3) | ENGL 162 | Hstry of Cinema (3)(F03) | MUSG 102 | Intro to World Music (3)(F99) | SPAN 103 | Spanish 3 (4) |
| ART 168 | Hstry of Photography (3) | ENGL 163 | Intro to Shakespeare (3) | MUSG 111 | Intro to Amer Pop Music (3) | SPAN 104 | Spanish 4 (4) |
| ART 169 | Surv of Asian Art (3) (F99) | ENGL 168 | Adolescent Lit (3) | MUSG 121 | Hstry of Western Music 1 (3) | SPAN 109 | Span for Span Spkrs 1(5)(SU07) |
| ART 170 | Basic Photography (3)(SU12) | ENGL 169 | Children's Lit (3) | MUSG 122 | Hstry of Western Music 2 (3) | SPAN 110 | Span for Span Spkrs 2(5)(SU07) |
| CMPTGR 202 | Intro to Comp Graphics (3)(SU15) | ENGL 171 | Intro African-Amer Lit (3) | MUST 101 | Music Fund (3)(SU13) | SPAN 112 | Intro to Chicano/a Lit (3) |
| COMM 120 | Oral Interpretation (3)(SU14) | ENGL 172 | Intro to Chicano/a Lit (3) | MUST 121 | Music Theory 1 (3)(SU11) | SPAN 173 | Surv of Latin Amer Lit (3)(F06) |
| COMM 122 | Intro to Readers' Thtr (3)(SU14) | ENGL 173 | Intro to Latin Amer Lit (3) | MUST 122 | Music Theory 2 (3)(SU11) | THETR 100 | Intro to Thtr Arts (3) |
| COMM 123 | Storytelling (3)(SU14) | ENGL 174 | Intro to Mod Asian Lit (3)(F05) | MUST 123 | Music Theory 3 (3)(SU13) | THETR 114 | Script Analysis (3)(SU15) |
| COMM 124 | Adv Readers' Thtr (3)(SU14) | ENGL 175 | Intro to Women's Lit (3) | MUST 124 | Music Theory 4 (3)(SU13) | THETR 122 | Intro to Readers' Thtr(3)(SU12) |
| COMM 132* | Intro to Mass Comm (3)(SU16) | ENGL 179 | Intro Nlv Amr Lit, Myth, Oral Trdtn(3) | PHILO 101 | Philosophy (3) | THETR 123 | Storytelling (3)(SU12) |
| DANCE 102 | Intro to World Dance (3) (SU16) | FREN 051 | Intro French 1(3)(SU12) | PHILO 111 | Ethics: Theory & Appl (3) | THETR 124 | Adv Readers' Thtr (3)(F00) |
| ENGL 102 | Adv Comp & Intro to Lit (3)(SU07) | FREN 052 | Intro French 2(3)(SU14) | PHILO 113 | Philo of Art (3)(SU08) | THETR 160 | Fund of Acting (3)(SU12) |
| ENGL 105 | Creative Writing: Poetry (3)(SU15) | FREN 101 | French 1(5) | PHILO 115 | Religion: Philo & Comp Inq (3) | THETR 161 | Intrmdt Acting (3)(SU12) |
| ENGL 106 | Creative Writing: Shrt Fic(3)(SU15) | FREN 102 | French 2 (5) | PHILO 120 | Hstry of Philo: Ancient (3) | | |
| ENGL 111 | Crtv Writing: Crtv Nonfic (3) (SU14) | FREN 101 | German 1 (5) | PHILO 121 | Hstry of Philo: Modern (3) | | |
| ENGL 112 | Intro to Novel & Short Story (3) | GERM 102 | German 2 (5) | PHILO 123 | 20th Cent Philo (3)(F02) | | |
| ENGL 114 | Intro to Poetry (3) | HIST 104* | Western Civ to 1650 (3) | PHILO 130* | Political Philo (3)(sy15) | | |
| ENGL 116 | Intro to Drama (3) | HIST 105* | Western Civ Since 1650 (3) | PHILO 135 | Envrional Ethics (3)(SU09) | | |
| ENGL 131 | Intro to World Lit 1 (3) | HIST 106* | World Civ to the 16th Cent (3)(SU11) | PHILO 140 | Philo & Film (3) | | |

Area D. Language & Rationality: Complete D1 and D2 as indicated for six (6) units.

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| D.1 English Composition: | | COMM 104 | Argumentation (3)(SU14) | CSCI 271 | Prob Solv & Prgrmng 1(3)(SU14) | MATH 130 | Finite Mathematics (3) |
| Complete three (3) units: | | COMM 106 | Group & Org Comm (3)(SU14) | CSCI 272 | Prob Solv & Prgrmng 2 (3)(SU14) | MATH 134 | Elementary Statistics (4) |
| ENGL 100 | Intnsv Rdnng,Wrtng,Rsng(5)(SU17) | COMM 107 | Intro to Debate (3)(SU14) | CSCI 273 | Assembly Lang Prgrmng (3)(SU14) | MATH 138 | Calculus for Bus/Soc Sci (3) |
| ENGL 101 | Comp & Reading (3) | COMM 110 | Persuasion (3)(SU14) | CSCI 274 | Wndws Prog w/Visual Std (4)(SU14) | MATH 161 | Trigonometry (4)(SP17) |
| D.2 Comm. & Analytical Thinking: | | COMM 132* | Intro to Mass Comm (3)(SU16) | ENGL 103 | Adv Comp & Crit Thinking (3) | MATH 162 | Precalculus (4)(SP17) |
| <i>Complete a minimum of three (3) units:</i> | | COMM 133 | Mediated Comm (3)(SU15) | LIBR 100 | Rsrch Concepts & Pract(3)(SU12) | MATH 171 | Calculus: 1st Course (4) |
| AGEC 225 | Agri Comp Apps (3)(SU09) | CSCI 200 | Technical Comp Lit (3)(SU14) | MATH 89 | Intrm Alg Non STEM Mjr(4)(SU4) | MATH 172 | Calculus: 2nd Course (4) |
| BUSAD 210 | Bus Comm (3) | CSCI 201 | Gen Comp Lit (3)(SU14) | MATH 90 | Intrmdt Alg STEM Major(5) | MATH 173 | Calculus: 3rd Course (4) |
| COMM 100 | Fund of Public Speaking (3)(SU14) | CSCI 203 | Symbolic Logic (3)(SU14) | MATH 101 | Math Ideas & Applications (3) | MATH 174 | Intro to Diff Eqtn & Lnr Alg (5)(SU12) |
| COMM 102 | Intro to Human Comm (3)(SU14) | CSCI 204 | Discrete Struct for Comp Sci (3)(SU14) | MATH 105 | Structure of Mathematics 1 (3) | PHILO 103 | Symbolic Logic (3) |
| | | CSCI 213 | Windows Server OS (3)(SU14) | MATH 106 | Structure of Mathematics 2 (3) | PHILO 105 | Critical Reas & Analytic Writing(3) |
| | | CSCI 221 | Prgrmng w/ Visual Basic (3)(SU14) | MATH 111 | Appl College Algebra (3)(F02) | PHILO 107 | Philo of Sci (3) |
| | | CSCI 230 | Dtbase Mgmt Systems (3)(SU14) | MATH 121 | Pre-Calculus 1 (5)(F98) | READ 184 | Critical Reading (3)(SU17) |
| | | CSCI 253 | Web Database Devt (3)(SU14) | MATH 122 | Pre-Calculus 2 (5)(F98) | SOCIO 105 | Intro to Stats for Soc & Beh. Sci(3)(SU15) |
| | | | | | | SUPR 106 | Group/Org Comm (3)(F01) |

Area E. Health Education: Complete a minimum of three (3) units

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| ADJU 217 ^ | Substance Abuse (3)(SU13) | HE 112* | Intro to Public Health (3)(SU15) |
| BUSAD 230 | Personal Finance (3)(SU13) | HE 115* | Drugs, Health, & Society (3)(SU17) |
| CLDDV 103 ^ | Child Growth & Devt (3)(SU08) | HE 118 | Exer & Nutr for Hlthy Living (3)(F04) |
| CLDDV 111 | Health, Safety, Nutrition (3)(SU10) | HUMSR 118 | Drugs & Human Behav (3)(S17) |
| COLSK 100 | Found for 1st Yr College Succ(3)(SU11) | PSYCH 110 | Human Sexualities (3) |
| FAMLF 131^ | Family Relationships (3) | PSYCH 118 | Drugs & Human Behav (3)(S17) |
| FDNTR 219 | Nutrition (3)(SP15) | PSYCH 130 | Personal Adjustment (3) |
| HE 110 | Healthful Living (3) | PSYCH 141 | Human Lifespan (3) |
| HE 111 | Women's Health Issues (3) | | |

- **Veterans or reservists who submit proof of U.S. military Basic Training will receive three (3) units of health education. File copy of DD214 with MJC Veterans Office.**
- **Allied Health Majors (ADN, VN) satisfy the Health Ed requirement by completion of major requirements.**

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 MJC-GE pattern area.