



# MJC•GE 2019-2020

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 71 of the 2019-2020 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

ANAT 125 Human Anatomy (4)(SU07)	BIO 145 Intro to Freshwater Bio (4)	ELTEC 208 Fund of Elect and Elect (3)(F97)	PHYS 101 Gen Phys: Mechanics (4)
ANSC 200 Intro to Animal Sci (3)	BOT 101 Gen Botany (4)(SU10)	ENSCI 108 Environ Conservation (3)	PHYS 102 Gen Phys: Waves, Therm, Optics (4)(SU11)
ANTHR 101 <sup>A</sup> Biological Anthro (3)	BOT 110 Plant Biology (3)(SU16)	FDNTR 219 Intro to Nutr Sci (3) (SU17)	PHYS 103 Gen Phys: Elect, Mag & Mod Phys (4)(SU11)
ANTHR 105 Biological Anthro Lab (1)(F98)	CHEM 101 Gen Chemistry 1 (5)	GEOG 101 Physical Geography (3)	PHYS 142 Mech, Heat & Waves (4)
ANTHR 110 Biological Anthro w/Lab (4) (SU19)	CHEM 102 Gen Chemistry 2 (5)(SU09)	GEOG 111 Physical Geography, Lab (1)(SU17)	PHYS 143 Elect, Mag, Opt, Atm, & Nuclr (4)(SU11)
AP 050 Elem Human Anat-Phys (3)(F96)	CHEM 112 Org Chemistry 1(5)(SU11)	GEOL 160 Intro to Geology (3)	PHYS 160 Descrip Intro to Phys (3)
ASTRO 151 Intro to Astro Lab (1)(SU12)	CHEM 113 Org Chemistry 2 (5)(SU10)	GEOL 161 Physical Geology (4)	PHYS 165 Intro Phys (4)
ASTRO 160 Intro to Modern Astro (3)	CHEM 122 Struct & React: Org Chem 1 (4)(SU15)	GEOL 165 Geology of California (3)	PHYS 180 Cncptl Phys: Hands-on (4)(SU08)
ASTRO 160/151 Intro to Mod Astro w/Lab (3,1)(SU12)	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)	PLSC 200 Intro to Plant Sci (3)
BIO 111 Gen Biology (4)	CHEM 143 Intro College Chemistry (4)	MICRO 101 Microbiology (4)	PLSC 230 Fruit Sci (3)
BIO 114 Gen Ecology (4)(SU10)	CHEM 144 Fund of Org & Biochem (4)(SU09)	MICRO 111 Plagues of Humankind (3)(SU15)	PSYCH 103 Intro to NeuroSci (3)
BIO 115 Genetics, Evolution & Society (3)(F97)	CHEM 150 Explor Our Chem Environ (3)	NR 200 Soils (3)	ZOOL 101 Gen Zoology (4)(SU10)
BIO 116 Bio: A Human Prspctv (4)(SU10)	CHEM 164 Intro Chmstry Lab (2)(SU08)	PE 124 Intro to Kinesiology (3)(SU12)	
BIO 128 Sierra Nev Nat Hstry (3)(SU16)	EASCI 161 Earth Sci (4)	PHSCI 52 The Way Things Work (3)(SU16)	
BIO 140 Intro to Marine Bio (4)	EASCI 162 Intro to Oceanography (4)(SU08)	PHSCI 180 Cncptl Phsci: Hands-on (4)(SU15)	

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

ADJU 201 Intro to Admin of Justice (3)	ANTHR 150 Native People of N. Amer (3)(SU12)	FAMLF 131 <sup>A</sup> Family Relationships (3)(F15)	HIST 106 <sup>A</sup> 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 <sup>A</sup> World Civ from the 16th Cent(3)(F02)
ADJU 203 Concepts of Criminal Law (3)(SU12)	CLDDV 103 <sup>A</sup> Child Growth & Devt (3)	GEOG 104 California Geography (3)(SU09)	HIST 115 Econ Hstry of the US (3)
ADJU 217 <sup>A</sup> Substance Abuse (3)(SU13)	CLDDV 109 Child Fam-Comm (3)(F14)	GEOG 105 Economic Geography (3)(F00)	HIST 116 Women in Amer Hstry(3)(SU11)
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 125 Hstry of Mexico (3)(SU11)
AGEC 210 Elem of Ag Econ (3)	CLDDV 262 Diversity in Educ Settings (3)(SU09)	HE 112 <sup>A</sup> Intro to Public Health (3)(SU15)	HIST 129 Hstry of California (3)(SU11)
AGGE 146 Ag, Environ & Soc (3)(F97)	COMM 103 Intercultural Comm (3)(SU14)	HE 114 Health & Social Justice (3)(SU16)	HIST 145 Hstry of Latin Amer (3)(SU11)
ANTHR 101 <sup>A</sup> Biological Anthro (3)(SU15)	COMM 130 InterCultural Comm (3)(SU14)	HE 115 Drugs, Health & Society (3)(SU17)	HIST 154 Afri Amer thru 19th Cent (3)(F99)
ANTHR 102 Cultural Anthro (3)	ECON 101 Principles of MacroEcon (3)	HIST 101 Hstry of US to 1877(3)	HIST 155 Afri Amer in 20th/21st Cent (3)(F99)
ANTHR 104 <sup>A</sup> Linguistic Anthro (3)(SU07)	ECON 102 Principles of MicroEcon(3)	HIST 102 Hstry of US since 1865 (3)	HUMSR 101 Intro to Human Services (3)
ANTHR 130 Arch & Ctrl Prehstry(3)(SU12)	ECON 115 Econ Hist of the US (3)	HIST 104 <sup>A</sup> Western Civ to 1650 (3)(SU11)	HUMSR 114 Death & Dying (3)(SU08)
ANTHR 140 Magic, Witchcraft & Religion (3)(F97)	ENSCI 110 California Water (3)(F98)	HIST 105 <sup>A</sup> Western Civ since 1650(3)(F02)	HUMSR 142 Intro to Psychos Rehab (3)(SU09)

\*Reflects Curriculum Committee MJC-GE approvals effective Summer 2019. Rev. 04/24/19 LBS

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

HUMSR 143 Psychosoc Rehab Practice (3)(SU09)	POLSC 131 Amer Political Thought (3)(SU07)	PSYCH 102 Research Methods (3) (SU18)	SOCIO 125 Sociology of the Family (3)(SU12)
PHILO 130 <sup>A</sup> Political Philosophy (3)(SU15)	POLSC 140 Comparative Politics (3)(SU07)	PSYCH 104 Intro to Social Psych (3)(SU08)	SOCIO 150 Ethnic & Cultural in U.S. (3)
POLSC 101 Amer Politics (3)	POLSC 165 Political Sci Rsch Meth (3)(SU16)	PSYCH 105 Abnormal Psych (3)(SU07)	SOCIO 154 Afro-Amer Cultural & Communities(3)
POLSC 102 Const & Rights of Pers (3)	POLSC 180 Human Rights (3)(SU14)	PSYCH 111 Psych of Gender (3)(SU07)	SOCIO 156 Mexican Cultural in the US (3)
POLSC 110 International Relations (3)	PSYCH 051 Psych in Everyday Life (3)	SOCIO 101 Intro to Sociology (3)	SOCSC 105 <sup>A</sup> Intro Glob Women's Studi(3)(F01)
POLSC 120 Calif Politics & Problems (3)	PSYCH 101 Gen Psych (3)	SOCIO 102 Social Problems in US (3)(F98)	SOCSC 110 Intro to Elem Education (3)

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

ANTHR 104 <sup>A</sup> Linguistic Anthro (3)(SU07)	ENGL 116 Intro to Drama (3)	HIST 105 <sup>A</sup> Western Civ Since 1650 (3)	PHILO 121 Hstry of Philo: Modern (3)
ART 102 Intro to Computer Graphics (3)(SU15)	ENGL 131 Intro to World Lit 1 (3)	HIST 106 <sup>A</sup> World Civ to the 16th Cent (3)(SU11)	PHILO 123 20th Cent Philo (3)(F02)
ART 120 Basic Drawing 1 (3)(SU12)	ENGL 132 Intro to World Lit 2 (3)	HIST 107 <sup>A</sup> World Civ frm 16th Cent (3)(SU11)	PHILO 130 <sup>A</sup> Political Philo (3)(SU15)
ART 124 Color & 2D Fndtn Design (3)(SU07)	ENGL 135 Surv Amer Lit to 1850 (3)	HUMAN 101 Intro to the Humanities (3)	PHILO 135 Environl Ethics (3)(SU09)
ART 140 Sculpture 1 (3)(SU12)	ENGL 136 Surv Amer Lit: 1850 to Prsnt (3)	HUMAN 105 Early Humanistic Trad (3)	PHILO 140 Philo & Film (3)
ART 151 Survey of Islamic Art (3)(SU18)	ENGL 137 Surv Engl Lit to Late 18th Cntry (3)	HUMAN 106 Humanities in Modern World (3)	SIGN 125 ASL: Begin Comm w/Deaf (3)
ART 160 Appreciation of Art (3)	ENGL 138 Surv Engl Lit: Late 18th Cntry-Prsnt (3)	HUMAN 110 East Meets West (3)	SIGN 126 ASL: Interm Comm w/Deaf (3)
ART 162 Hstry of Renaissance Art (3)	ENGL 151 Folklore (3)	HUMAN 130 Intro to Western Religions (3)(F03)	SIGN 127 ASL: Adv Comm w/Deaf (3)
ART 163 Hstry of Modern Art (3)	ENGL 156 Bible as Lit: Hebrew Canon &... (3)	HUMAN 140 Intro to World Mythology (3)(F06)	SOCSC 105 <sup>A</sup> Intro Glob Women's Studi(3)(F01)
ART 164 Hstry of Art 1:Prehis to Gothic(3)	ENGL 157 Bible as Lit: New Testament (3)	ITAL 101 Italian 1 (5)(SU08)	SOCSC 154 Movies with a Message (3)(SU08)
ART 165 Hstry of Art 2:Ren to Cotemp(3)	ENGL 161 Film Appreciation (3)	MUSG 101 Music Appreciation (3)	SPAN 051 Intro to Practical Span 1 (3)
ART 168 Hstry of Photography (3)	ENGL 162 Hstry of Cinema (3)(F03)	MUSG 102 Intro to World Music (3)(F99)	SPAN 052 Intro to Practical Span 2 (3)
ART 169 Surv of Asian Art (3) (F99)	ENGL 163 Intro to Shakespeare (3)	MUSG 111 Intro to Amer Pop Music (3)	SPAN 101 Spanish 1 (5)
ART 170 Basic Photography (3)(SU12)	ENGL 168 Adolescent Lit (3)	MUSG 121 Hstry of Western Music 1 (3)	SPAN 102 Spanish 2 (5)
CMPGR 202 Intro to Comp Graphics (3)(SU15)	ENGL 169 Children's Lit (3)	MUSG 122 Hstry of Western Music 2 (3)	SPAN 103 Spanish 3 (4)
COMM 120 Oral Interpretation (3)(SU14)	ENGL 171 Intro African-Amer Lit (3)	MUST 101 Music Fund (3)(SU13)	SPAN 109 Span for Span Spkrs 1(5)(SU07)
COMM 123 Storytelling (3)(SU14)	ENGL 172 Intro to Chicano/a Lit (3)	MUST 121 Music Theory 1 (3)(SU11)	SPAN 110 Span for Span Spkrs 2(5)(SU07)
COMM 132 <sup>A</sup> Intro to Mass Comm (3)(SU16)	ENGL 173 Intro to Latin Amer Lit (3)	MUST 122 Music Theory 2 (3)(SU11)	SPAN 112 Intro to Chicano/a Lit (3)
DANCE 102 Intro to World Dance (3) (SU16)	ENGL 174 Intro to Mod Asian Lit (3)(F05)	MUST 123 Music Theory 3 (3)(SU13)	SPAN 173 Surv of Latin Amer Lit (3)(F06)
ENGL 102 Adv Comp & Intro to Lit (3)(SU07)	ENGL 175 Intro to Women's Lit (3)	MUST 124 Music Theory 4 (3)(SU13)	THETR 100 Intro to Thtr Arts (3)
ENGL 105 Creative Writing: Poetry (3)(SU15)	ENGL 179 Intro Ntv Amr Lit, Myth, Oral Trdtn(3)	PHILO 101 Philosophy (3)	THETR 114 Script Analysis (3)(SU15)
ENGL 106 Creative Writing: Shrt Fic(3)(SU15)	FREN 101 French 1(5)	PHILO 111 Ethics: Theory & Appl (3)	THETR 123 Storytelling (3)(SU12)
ENGL 111 Crtv Writing: Crtv Nonfic (3) (SU14)	FREN 102 French 2 (5)	PHILO 115 Philo and Art (3)(SU08)	THETR 160 Fund of Acting (3)(SU12)
ENGL 112 Intro to Novel & Short Story (3)	GERM 101 German 1 (5)	PHILO 118 Religion: Philo & Comp Inq (3)	THETR 161 Intrmdt Acting (3)(SU12)
ENGL 114 Intro to Poetry (3)	HIST 104 <sup>A</sup> Western Civ to 1650 (3)	PHILO 120 Hstry of Philo: Ancient (3)	

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

**D.1 English Composition:**

Complete three (3) units:

ENGL 100 Intnsv Rdnng,Wrtng,Rsng(5)(SU17)	COMM 104 Argumentation (3)(SU14)	CSCI 272 Prob Solv & Prgmng 2 (3)(SU14)	MATH 161 Trigonometry (4)(SP17)
ENGL 101 Comp & Reading (3)	COMM 106 Group & Org Comm (3)(SU14)	CSCI 273 Assembly Lang Prgmng (3)(SU14)	MATH 162 Precalculus (4)(SP17)

**D.2 Comm. & Analytical Thinking:**

Complete a minimum of three (3) units:

AGEC 225 Agri Comp Apps (3)(SU09)	COMM 107 Intro to Debate (3)(SU14)	ENGL 103 Adv Comp & Crit Thinking (3)	MATH 171 Calculus: 1st Course (4)	MATH 172 Calculus: 2nd Course (4)	MATH 173 Calculus: 3rd Course (4)	MATH 174 Intro to Diff Eqtn & Lnr Alg (5)(SU12)	MATH 191 Linear Algebra (3) (SU19)	MATH 193 Ordinary Differential Equations (3) (SU19)	PHILO 103 Symbolic Logic (3)	PHILO 105 Critical Reas & Analytic Writing(3)	PHILO 107 Philo of Sci (3)	READ 184 Critical Reading (3)(SU17)	SOCIO 105 Intro to Stats for Soc & Beh. Sci (3)(SU15)
BUSAD 210 Bus Comm (3)	COMM 110 Persuasion (3)(SU14)	LIBR 100 Rsrch Mthd & Media Lit(3)(SU12)	MATH 89 Intrm Alg Non STEM Mjr(4)(SU4)	MATH 90 Intrmdt Alg STEM Major(5)	MATH 101 Math Ideas & Applications (3)	MATH 105 Structure of Mathematics 1 (3)	MATH 106 Structure of Mathematics 2 (3)	MATH 111 College Algebra (3)(F02)	MATH 130 Finite Mathematics (3)	MATH 134 Elementary Statistics (3)			
COMM 100 Fund of Public Speaking (3)(SU14)	COMM 132 <sup>A</sup> Intro to Mass Comm (3)(SU16)	MATH 89 Intrm Alg Non STEM Mjr(4)(SU4)	MATH 90 Intrmdt Alg STEM Major(5)	MATH 101 Math Ideas & Applications (3)	MATH 105 Structure of Mathematics 1 (3)	MATH 106 Structure of Mathematics 2 (3)	MATH 111 College Algebra (3)(F02)	MATH 130 Finite Mathematics (3)	MATH 134 Elementary Statistics (3)				
COMM 102 Intro to Human Comm (3)(SU14)	COMM 133 Mediated Comm (3)(SU15)	MATH 89 Intrm Alg Non STEM Mjr(4)(SU4)	MATH 90 Intrmdt Alg STEM Major(5)	MATH 101 Math Ideas & Applications (3)	MATH 105 Structure of Mathematics 1 (3)	MATH 106 Structure of Mathematics 2 (3)	MATH 111 College Algebra (3)(F02)	MATH 130 Finite Mathematics (3)	MATH 134 Elementary Statistics (3)				
	CSCI 200 Technical Comp Lit (3)(SU14)	MATH 89 Intrm Alg Non STEM Mjr(4)(SU4)	MATH 90 Intrmdt Alg STEM Major(5)	MATH 101 Math Ideas & Applications (3)	MATH 105 Structure of Mathematics 1 (3)	MATH 106 Structure of Mathematics 2 (3)	MATH 111 College Algebra (3)(F02)	MATH 130 Finite Mathematics (3)	MATH 134 Elementary Statistics (3)				
	CSCI 201 Gen Comp Lit (3)(SU14)	MATH 90 Intrmdt Alg STEM Major(5)	MATH 101 Math Ideas & Applications (3)	MATH 105 Structure of Mathematics 1 (3)	MATH 106 Structure of Mathematics 2 (3)	MATH 111 College Algebra (3)(F02)	MATH 130 Finite Mathematics (3)	MATH 134 Elementary Statistics (3)					
	CSCI 203 Symbolic Logic (3)(SU14)	MATH 101 Math Ideas & Applications (3)	MATH 105 Structure of Mathematics 1 (3)	MATH 106 Structure of Mathematics 2 (3)	MATH 111 College Algebra (3)(F02)	MATH 130 Finite Mathematics (3)	MATH 134 Elementary Statistics (3)						
	CSCI 204 Discrete Struct for Comp Sci (3)(SU14)	MATH 105 Structure of Mathematics 1 (3)	MATH 106 Structure of Mathematics 2 (3)	MATH 111 College Algebra (3)(F02)	MATH 130 Finite Mathematics (3)	MATH 134 Elementary Statistics (3)							
	CSCI 253 Web Database Devt (3)(SU14)	MATH 106 Structure of Mathematics 2 (3)	MATH 111 College Algebra (3)(F02)	MATH 130 Finite Mathematics (3)	MATH 134 Elementary Statistics (3)								
	CSCI 270 Intro to Programming (3)(SU18)	MATH 111 College Algebra (3)(F02)	MATH 130 Finite Mathematics (3)	MATH 134 Elementary Statistics (3)									
	CSCI 271 Prob Solv & Prgmng 1(3)(SU14)	MATH 130 Finite Mathematics (3)	MATH 134 Elementary Statistics (3)										

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

- 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.

ADJU 217 <sup>A</sup> Substance Abuse (3)(SU13)	HE 112 <sup>A</sup> Intro to Public Health (3)(SU15)
BUSAD 230 Personal Finance (3)(SU13)	HE 115 <sup>A</sup> Drugs, Health, & Society (3)(SU17)
CLDDV 103 <sup>A</sup> 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)(SP17)
COLSK 100 Found for 1st Yr College Succ(3)(SU11)	PSYCH 110 Human Sexualities (3)
FAMLF 131 <sup>A</sup> Family Relationships (3)	PSYCH 118 Drugs & Human Behav (3) (SP17)
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)	

**Legend**

- (3) Units earned
- (F97) Students completing this course prior to term (F: Fall, SP: Spring, SU: Summer) and year indicated will not be allowed to fulfill this requirement with this course.
- <sup>A</sup> Although listed in more than one area, the course may be counted toward only one MJC-GE pattern area.