cluster one: skills for the 21st century

NOTE: this cluster must be completed before the end of your first year at JMU.

**CRITICAL THINKING: C1CT (choose one)**
- BUS 160 Business Decision Making in a Modern Society
- HIST 150 Critical Issues in Recent Global History
- ISAT 160 Problem Solving Approaches in Science and Technology
- PHIL 120 Critical Thinking
- PHIL 150 Ethical Reasoning
- SMAD 150 Mediated Communication: Issues and Skills

**HUMAN COMMUNICATIONS: C1CH (choose one)**
- SCOM 121 Fundamental Human Communication: Presentations
- SCOM 122 Fundamental Human Communication: Individual Presentations
- SCOM 123 Fundamental Human Communication: Group Presentations

**WRITING: C1W (choose one)**
- WRTC 103 Rhetorical Reading and Writing

**MREST (Information Literacy Requirement - receive passing score)**

The MREST (Madison Research Essential Skills Test) is a graduation requirement for all students who matriculated prior to summer 2022 (unless you have completed an approved Associate Degree from a Virginia Community College).

cluster two: arts and humanities

**HUMAN QUESTIONS AND CONTEXTS: C2HQC (choose one)**
- AMST 200 Introduction to American Studies
- ANTH 205 Buried Cities and Lost Tribes
- HIST 101 World History to 1500
- HIST 102 World History since 1500
- HUM 250 Foundations of Western Culture
- HUM 251 Modern Perspectives
- HUM 252 Global Cultures
- PHIL 101 Introduction to Philosophy
- REL 101 Religions of the World
- REL 102 Religion, Spirituality, and the Meaning of Life

**VISUAL AND PERFORMING ARTS: C2VPA (choose one)**
- ART 200 Art in General Culture
- ARTH 205 Survey of World Art I: Prehistoric to Renaissance
- ARTH 206 Survey of World Art II: Renaissance to Modern
- DANC 215 The Dance Experience
- MUS 200 Music and Culture
- MUS 203 Music in America
- MUS 206 Introduction to Global Music
- THEA 210 Introduction to Theatre

**LITERATURE: C2L (choose one)**
- ENG 221 Literature/Culture/Ideas
- ENG 222 Genre(s)
- ENG 235 Survey of English Literature: From Beowulf to the 18th Century
- ENG 236 Survey of English Literature: 18th Century to Modern
- ENG 239 Studies in World Literature
- ENG 247 Survey of American Literature: From the Beginning to the Civil War
- ENG 248 Survey of American Literature: From the Civil War to the Modern Period
- ENG 260 Survey of African-American Literature
- HUM 200 Great Works of Literature

cluster three: the natural world

NOTE: Some C3PP & C3NS courses have labs embedded (which fulfill the C3L requirement as well), and some have separate lab corequisites; see notes in parentheses for specific course requirements.

**QUANTITATIVE REASONING: C3QR (choose one)**
- ISAT 151 Topics in Applied Calculus in ISAT (ISAT majors only)
- ISAT 251 Topics in Statistics in ISAT (ISAT majors only)
- MATH 103 The Nature of Mathematics
- MATH 105 Quantitative Literacy and Reasoning
- MATH 110 Math for Elementary & Middle School Teachers I
- MATH 205 Introductory Calculus
- MATH 220 Elementary Statistics
- MATH 229 Introduction to Applied Statistics Using R
- MATH 231 Calculus with Functions I
- MATH 235 Calculus

**PHYSICAL PRINCIPLES: C3PP (choose one)**
- ASTR 120 The Solar System
- ASTR 121 Stars, Galaxies, and Cosmology
- CHEM 120 Concepts of Chemistry
- CHEM 131 General Chemistry (take with CHEM 131L)
- ISAT 100 Environmental and Energy Sustainability
- ISAT 112 Environmental Issues in Science and Technology (includes lab)
- ISCI 101 Physics, Chemistry, and the Human Experience
- ISCI 172 Physical Science for Teachers (IdLS, some COE majors only)
- PHYS 121 The Physical Nature of Light and Sound (includes lab)
- PHYS 140 College Physics I (take with PHYS 140L)
- PHYS 240 University Physics I (take with PHYS 240L)

**NATURAL SYSTEMS: C3NS (choose one)**
- ANTH 196 Biological Anthropology
- BIO 103 Contemporary Biology
- BIO 140 Foundations of Biology I (take with BIO 140L)
- BIO 270 Human Physiology (take with BIO 270L)
- GEOL 102 Environment: Earth
- GEOL 110 Physical Geology (take with GEOL 110L)
- GEOL 115 Earth Systems and Climate Change (take with GEOL 115L)
- GEOL 210 Applied Physical Geology
- GEOL 211 Introduction to Oceanography
- ISAT 113 Biotechnical Issues in Science & Technology (take with ISAT 113L)
- ISCI 171 Earth & Planetary Sciences for Teachers (IdLS, some COE majors only)

**LAB EXPERIENCE: C3L (if not included in C3NS/C3PP choice)**
- BIO 140L Foundations of Biology I Lab (take with BIO 140)
- BIO 270L Human Physiology Lab (take with BIO 270)
- CHEM 131L General Chemistry Lab (take with CHEM 131)
- GEOL 110L Physical Geology Lab (take with GEOL 110)
- GEOL 115L Earth Systems and Climate Change Lab (take with GEOL 115)
- ISAT 113L Biotechnical Issues in Science & Technology Lab (take with ISAT 113L)
- ISCI 104 Scientific Perspectives
- ISCI 173 Life & Environmental Science for Teachers (IdLS, some COE majors only)
- PHYS 140L General Physics Lab I (take with PHYS 140)
- PHYS 240L University Physics Lab I (take with PHYS 240L)

cluster four: social and cultural processes

**THE AMERICAN EXPERIENCE: C4AE (choose one)**
- HIST 225 U.S. History
- JUST 225 Justice and American Society
- POSC 225 U.S. Government

**THE GLOBAL EXPERIENCE: C4GE (choose one)**
- AAAD 200 Introduction to African, African American and Diaspora Studies
- ANTH 195 Cultural Anthropology
- ECON 200 Introduction to Macroeconomics
- GEOG 200 Geography: The Global Dimension
- POSC 200 Global Politics
- SOCI 110 Social Issues in a Global Context

cluster five: individuals in the human community

**WELLNESS DOMAIN: C5WD (choose one)**
- HTH 100 Personal Wellness
- KIN 100 Lifetime Fitness and Wellness

**SOCIOCULTURAL DOMAIN: C5SD (choose one)**
- PSYC 101 General Psychology
- PSYC 160 Life Span Human Development
- SOCI 140 Microsociology: The Individual in Society
- WGSS 200 Introduction to Women’s, Gender, and Sexuality Studies

**NOTES & RESOURCES**

total number of credits needed in Gen Ed: 41
course descriptions here
how to: search for class by Cluster in MyMadison
questions? contact gened@jmu.edu!