## Cluster One: Skills for the 21st Century

**Critical Thinking (C1CT**) Choose one:**
- BUS 160
- HIST 150
- ISAT 160
- SMAD 150
- PHIL 120
- PHIL 150

**Human Communication (C1HC**) Choose one:**
- SCOM 121
- SCOM 122
- SCOM 123

**Writing (C1W**)**
- WRTC 103

**Information Literacy Requirement:** (To avoid a registration hold, you must pass prior to the Friday before spring break of your first year)

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*Cluster One must be completed during your first year at JMU*

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## Cluster Three: The Natural World

**Quantitative Reasoning (C3QR**) Choose one:**
- ISAT 151
- ISAT 251
- MATH 103
- MATH 105
- MATH 107*
- MATH 205
- MATH 220
- MATH 229
- MATH 231
- MATH 233
- MATH 235

**Physical Principles (C3PP**) Choose one:**
- ASTR 120
- ASTR 121
- CHEM 120
- CHEM 131
- ISAT 100
- ISAT 112
- ISCI 101
- ISCI 172*
- PHYS 121
- PHYS 140
- PHYS 215
- PHYS 240

**Natural Systems (C3NS**) Choose one:**
- BIO 140
- BIO 222
- BIO 270
- ANTH 196
- BIO 103
- GEOL 110
- GEOL 200
- GEOL 210
- GEOL 211
- GEOL 102
- GEOL 115
- ISAT 113
- ISCI 171*
- PSYC 122

**Lab Experience** (ISCI 104, ISCI 173*, or a course from Physical Principles or Natural Systems that includes a lab)

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*Education and IdLS Majors Only*

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## Cluster Two: Arts and Humanities

**Human Questions and Contexts (C2HQC**) Choose one:**
- AMST 200
- ANTH 205
- HIST 101
- HIST 102
- HUM 250
- HUM 251
- HUM 252
- PHIL 101
- REL 101

**Visual and Performing Arts (C2VPA**) Choose one:**
- ART 200
- ARTH 205
- ARTH 206
- MUS 200
- MUS 203
- MUS 206
- THEA 210

**Literature (C2L**) Choose one option:**
- ENG 221
- ENG 222
- ENG 235
- ENG 236
- ENG 239
- ENG 247
- ENG 248
- ENG 260
- HUM 200

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## Cluster Four: Social and Cultural Processes

**The American Experience (C4AE**) Choose one:**
- HIST 225
- JUST 225
- POSC 225

**The Global Experience (C4GE**) Choose one:**
- AAAD 200
- ANTH 195
- ECON 200
- GEOG 200
- POSC 200
- SOCI 110

Students who take POSC 200 & POSC 225 may use only one towards Cluster Four credit.

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## Cluster Five: Individuals in the Human Community

**Wellness Domain (C5W**) Choose one:**
- HTH 100
- KIN 100

**Sociocultural Domain (C5SD**) Choose one:**
- PSYC 101
- PSYC 160
- SOCI 140
- WGSS 200

** denotes the GenEd cluster search code in MyMadison
### Cluster One

**Critical Thinking**
- 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
- SMAD 150: Mediated Communication: Issues and Skills
- PHIL 120: Critical Thinking
- PHIL 150: Ethical Reasoning

**Human Communication**
- SCOM 121: Human Communication: Presentations
- SCOM 122: Human Communication: Individual Presentations
- SCOM 123: Human Communication: Group Presentations
- WRTC 103: Critical Reading and Writing

### Cluster Two

**Human Questions and Contexts**
- 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 (for approved courses see cluster website)
- HUM 251: Modern Perspectives (for approved courses see cluster website)
- HUM 252: Global Cultures (for approved courses see cluster website)
- PHIL 101: Introduction to Philosophy
- REL 101: Religions of the World
- REL 102: God, Meaning, and Morality

**Visual and Performing Arts**
- 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
- MUS 200: Music in General Culture
- MUS 203: Music in America
- MUS 206: Introduction to Global Music
- THEA 210: Introduction to Theatre

**Literature**
- 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 (topics vary by section)

### Cluster Three

**Quantitative Reasoning**
- ISAT 151: Topics in Applied Calculus in ISAT
- ISAT 251: Topics in Statistics in ISAT
- MATH 103: The Nature of Mathematics
- MATH 105: Quantitative Literacy and Reasoning
- *MATH 107: Fundamentals of Mathematics I
- MATH 205: Introductory Calculus
- MATH 220: Elementary Statistics
- MATH 229: Introduction to Applied Statistics Using R
- MATH 231: Calculus with Functions I
- MATH 233: A Modeling Approach to Calculus
- MATH 235: Calculus

**Natural Systems**
- ASTR 120: The Solar System
- ASTR 121: Stars, Galaxies, and Cosmology
- CHEM 120: Concepts of Chemistry
- CHEM 131: General Chemistry (lab co-requisite)
- 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
- PHYS 121: The Physical Nature of Light and Sound (includes lab)
- PHYS 140: College Physics I (lab co-requisite)
- PHYS 215: Energy and the Environment
- PHYS 240: University Physics I (lab co-requisite)

**Human Communication**
- BIO 140: Foundations of Biology (includes lab)
- BIO 222: Biology for Engineering and Physical Sciences
- BIO 270 Human Physiology (includes lab)
- ANTH 196: Biological Anthropology
- BIO 103: Contemporary Biology
- GEOL 110: Physical Geology (lab co-requisite)
- GEOL 200: Evolutionary Systems (includes lab)
- GEOL 210: Applied Physical Geology
- GEOL 211: Introduction to Oceanography
- GEOL 102: Environment: Earth
- GEOL 115: Earth Systems and Climate Change
- ISAT 113: Biotechnological Issues in Science and Technology (includes lab)
- *ISCI 171: Earth & Planetary Sciences for Teachers
- PSYC 122: The Science of Vision and Audition
- ISCI 104: Scientific Perspectives
- *ISCI 173: Life & Environmental Science for Teachers

### Cluster Four

**The American Experience**
- HIST 225: U.S. History
- JUST 225: Justice and American Society
- POSC 225: U.S. Government

**The Global Experience**
- AAAD 200: Introduction to African, African American and Diaspora Studies
- ANTH 195: Cultural Anthropology
- ECON 200: Macroeconomics
- GEOG 200: Geography: The Global Dimension
- POSC 200: Global Politics
- SOC 110: Social Issues in a Global Context

### Cluster Five

**Wellness Domain**
- HTH 100: Personal Wellness
- KIN 100: Lifetime Fitness and Wellness

**Sociocultural Domain**
- PSYC 101: General Psychology
- PSYC 160: Life Span Human Development
- SOCI 140: Microsociology: The Individual in Society
- WGSS 200: Introduction to Women and Gender Studies