### 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:
(Tests must be passed by the Friday before Spring Break of first year)

<table>
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<tr>
<th>Course Code</th>
<th>Date Passed</th>
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*Cluster One must be completed during your first year at JMU*

### Cluster Three: The Natural World

#### Quantitative Reasoning (C3T1G1**)
Choose one:
- ISAT 151
- ISAT 251
- MATH 103
- MATH 105
- MATH 107*
- MATH 205
- MATH 220
- MATH 231
- MATH 235

#### Physical Principles (C3T1G2**)
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 (C3T1G3**)
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)

Course ____________

*IdLS Majors Only

### 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

### Cluster Four: Social and Cultural Processes

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

#### The Global Experience (C4GE**)
Choose one:
- AFST 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.

** denotes the GenEd cluster search code in MyMadison

### 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
- WGS 200

The fine print at the bottom: This worksheet is merely a planning tool. Please refer to the JMU catalog or [www.jmu.edu/gened](http://www.jmu.edu/gened) for program outcomes, requirements & policies. See Academic Requirements in MyMadison for real-time GenEd progress reports.
### 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
- WRIT 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 103: Music in America
- MUS 206: Introduction to Global Music
- THEA 210: Introduction to Theatre

**Literature**
- ENG 221: Literature/Culture/Ideas
- ENG 222: Genres
- 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 231: Calculus with Functions I
- MATH 235: Calculus

**Physical Principles**
- 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)

**Natural Systems**
- BIO 140: Foundations of Biology
- BIO 222: Biology for Engineering and Physical Sciences
- BIO 270 Human Physiology (includes lab)
- ANTH 196: Biological Anthropology
- BIO 103: Contemporary Biology
- GEOG 200: Geography: The Global Dimension
- MATH 235: Calculus

### Cluster Four

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

**The Global Experience**
- AFST 200: Introduction to Africana Studies
- ANTH 195: Cultural Anthropology
- ECON 200: Macroeconomics
- GEOG 200: Geography: The Global Dimension
- POSC 200: Global Politics

**Welness Domain**
- HTH 100: Personal Wellness
- KIN 100: Lifetime Fitness and Wellness
- PSYC 101: General Psychology
- PSYC 160: Life Span Human Development
- SOC 140: Microsociology: The Individual in Society
- WGS 200: Introduction to Women and Gender Studies

### Cluster Five

**Sociocultural Domain**
- WGS 200: Introduction to Women and Gender Studies

**Lab Experience**
- ISCI 171: Earth & Planetary Sciences for Teachers
- PSYC 122: The Science of Vision and Audition
- ISAT 112: Environmental Issues in Science and Technology (lab co-requisite)
- ISCI 172: Physical Science for Teachers

*ISCI 173: Scientific Perspectives
*ISCI 174: Quantitative Reasoning
*ISCI 175: Physical Principles