### 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:** (Test must be passed by the Friday before Spring Break of first year)
- MREST
- Date Passed

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

### 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 102

**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 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 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.*

### 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

* denotes the GenEd cluster search code in MyMadison

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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.
General Education Course Titles

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

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 Two

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
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

Lab Experience
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
AFST 200: Introduction to Africana 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
SOC 140: Microsociology: The Individual in Society