

# MASON CORE

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## The Mason Core at Mason Overview

All undergraduates seeking a baccalaureate degree must complete the Mason Core requirements. Additional requirements for specific degree programs can be found in the college or school sections of this catalog. At Mason, we have created several distinctive ways to develop your liberal education: the Mason Core, and, for a small group of outstanding students, the Honors College.

George Mason University, in fall 2013, approved a new Vision Statement that articulates the characteristics important for any student graduating with a Mason degree. The Mason Graduate should be: an engaged citizen, a well-rounded scholar, and someone who is prepared to act for the world. In 2014, the Mason Core was created to reframe the university general education program to better illuminate the full range of coursework that prepares students for work in their major and to align with the Mason Graduate goals. In essence, the Mason Core is the foundational aspect of a student's academic career.

Beginning in Fall 2016 with the entering freshman class, the Mason Core: Engagement Series (ENCORE) will provide an optional pathway for students interested in combining academic coursework with co-curricular activities towards a completion certificate in a specific area of engagement.

The Mason Core is comprised of elements important to all students pursuing a liberal arts education that map to the key characteristics of the Mason Graduate. The Core consists of two major areas: general education requirements and a writing intensive course in one's major. These courses are designed to complement work in a student's chosen area of study. The classes serve as a means of discovery for students, providing a foundation for learning, connecting to potential new areas of interest and building tools for success in whatever field a student pursues. Learning outcomes are guided by the qualities every student should develop as they move toward graduating with a George Mason University bachelor's degree. Through a combination of courses and experiences, the Mason Core is designed to help student become:

### Critical and Creative Scholars

Students who have a love of and capacity for learning. Their understanding of fundamental principles in a variety of disciplines, and their mastery of quantitative and communication tools, enables them to think creatively and productively. They are inquisitive, open-minded, capable, informed, and able to integrate diverse bodies of knowledge and perspectives.

### Self-Reflective Learners

Students who develop the capacity to think well. They can identify and articulate individual beliefs, strengths and weaknesses, critically reflect on these beliefs and integrate this understanding into their daily living.

### Ethical, Inquiry-Based Citizens

Students who are tolerant and understanding. They can conceptualize and communicate about problems of local, national and global significance, using research and evaluative perspectives to contribute to the common good.

### Thinkers and Problem-Solvers

Students who are able to discover and understand natural, physical, and social phenomena; who can articulate their application to real world challenges; and who approach problem-solving from various vantage points. They can demonstrate capability for inquiry, reason, and imagination and see connections in historical, literary and artistic fields.

## Synopsis of Requirements

The Mason Core is divided into three sections: foundation, core and synthesis. Each section contains courses that have specific learning outcomes for students and are assessed on a regular basis.

### Foundation Requirements

Written Communication	6
Oral Communication	3
Quantitative Reasoning	3
Information Technology	3-7

### Core Requirements

Arts	3
Global Understanding	3
Literature	3
Natural Science	7
Social and Behavioral Sciences	3
Western Civilization/World History	3

### Synthesis/Capstone Requirement

Synthesis/Capstone	3
<b>Total Credits</b>	<b>40</b>

## Foundation Requirements (15-22 credits)

Foundation requirements help ensure that students master the tools and techniques necessary to succeed in college and throughout their lives and careers. These courses emphasize skills—in writing, speaking, and working with numbers and technology—that can be applied to any major field of study and career goal.

Note: The course list reflects approved courses as of press time. Please visit the Mason Core website (<http://masoncore.gmu.edu/general-education-at-mason-2>) for the most recent list of courses as the listed is update throughout the academic year.

### Written Communication (6 credits: 3 lower, 3 upper)

#### Learning Outcomes:

Students develop the ability to use written communication as a means of discovering and expressing ideas and meanings: in short, employing writing as a way of thinking. Students begin this process at the fundamental level in English 101 (100 for ESL students) and build higher-level skills in English 302. Writing will be emphasized in many

courses throughout a student's career, and at least one course in every student's major is designated "writing intensive."

### Required:

The following courses as well as an approved writing-intensive course in the major.

ENGH 100	Composition for Multilingual Writers (Mason Core)	4
ENGH 101	Composition (Mason Core)	3
ENGH 302	Advanced Composition (Mason Core)	3

## Oral Communication (3 credits)

### Learning Outcomes:

1. Students will demonstrate understanding of and proficiency in constructing and delivering multiple message types.
2. Students will understand and practice effective elements of ethical verbal and nonverbal communication.
3. Students will develop analytical skills and critical listening skills.
4. Students will understand the influence of culture in communication and will know how to cope with cultural differences when presenting information to an audience. Students develop the ability to use oral communication as a way of thinking and learning, as well as sharing ideas.

### Required:

One approved course. Students will be expected to continue developing oral communication skills in additional Mason Core courses as appropriate.

COMM 100	Public Speaking (Mason Core)	3
COMM 101	Interpersonal and Group Interaction (Mason Core)	3

## Quantitative Reasoning (3 credits)

### Learning Outcomes:

1. Students are able to interpret quantitative information (i.e., formulas, graphs, tables, models, and schematics) and draw inferences from them.
2. Given a quantitative problem, students are able to formulate the problem quantitatively and use appropriate arithmetical, algebraic, and/or statistical methods to solve the problem.
3. Students are able to evaluate logical arguments using quantitative reasoning.
4. Students are able to communicate and present quantitative results effectively.

### Required:

One approved course.

HNRT 125	A Liberal Arts Approach to Calculus (Mason Core)	3
MATH 106	Quantitative Reasoning (Mason Core)	3
MATH 108	Introductory Calculus with Business Applications (Mason Core)	3
MATH 110	Introductory Probability (Mason Core)	3
MATH 111	Linear Mathematical Modeling (Mason Core)	3
MATH 113	Analytic Geometry and Calculus I (Mason Core)	4

MATH 115	Analytic Geometry and Calculus I (Honors) (Mason Core)	4
MATH 124	Calculus with Algebra/Trigonometry, Part B (Mason Core)	3
MATH 125	Discrete Mathematics I (Mason Core)	3
SOCI 313	Statistics for the Behavioral Sciences (Mason Core)	4
STAT 250	Introductory Statistics I (Mason Core)	3

## Information Technology (minimum 3 credits)

### Learning Outcomes:

Almost no area of academic, professional, or personal life is untouched by the information technology revolution. Success in college and beyond requires computer and information literacies that are flexible enough to change with a changing IT environment and adaptable to new problems and tasks.

The purpose of the information technology requirement is to ensure that students achieve an essential understanding of information technology infrastructure encompassing systems and devices; learn to make the most of the Web and other network resources; protect their digital data and devices; take advantage of latest technologies; and become more sophisticated technology users and consumers.

Courses meeting the "IT only" requirement must address learning outcomes 1 and 2, and one additional outcome. Courses meeting "IT with Ethics component" must address outcomes 1, 2, 3, and 5. Courses meeting the only IT Ethics component must address outcomes 3 and 5.

1. Students will be able to use technology to locate, access, evaluate, and use information, and appropriately cite resources from digital/electronic media.
2. Students will understand the core IT concepts in a range of current and emerging technologies and learn to apply appropriate technologies to a range of tasks.
3. Students will understand many of the key ethical, legal and social issues related to information technology and how to interpret and comply with ethical principles, laws, regulations, and institutional policies.
4. Students will demonstrate the ability to communicate, create, and collaborate effectively using state-of-the-art information technologies in multiple modalities.
5. Students will understand the essential issues related to information security, how to take precautions and use techniques and tools to defend against computer crimes.

### Required:

One approved 3-credit course that meets all IT requirements, or completion of an appropriate combination of courses, proficiency exams, and modules.

### Courses meeting all IT requirements

ANTH 395	Work, Technology, and Society: An IT Perspective (Mason Core)	3
CDS 130	Computing for Scientists (Mason Core)	3
CS 100	Principles of Computing (Mason Core)	3
GOVT 300	Research Methods and Analysis (Mason Core)	4
HIST 390	The Digital Past (Mason Core)	3
IT 104	Introduction to Computing (Mason Core)	3

MIS 303	Introduction to Business Information Systems (Mason Core)	3
MUSI 259	Music in Computer Technology (Mason Core)	3

#### Courses meeting all requirements except ethics

AVT 180	New Media in the Creative Arts (Mason Core)	3
CS 112	Introduction to Computer Programming (Mason Core)	4
PHYS 251	Introduction to Computer Techniques in Physics (Mason Core)	3
SOCI 410	Social Surveys and Attitude and Opinion Measurements (Mason Core)	3
The following must be taken in sequence:		
PSYC 300	Statistics in Psychology	4
PSYC 301	Research Methods in Psychology	4
PSYC 372	Physiological Psychology	3

#### Courses meeting only ethics requirements

CDS 151	Data Ethics in an Information Society (Mason Core)	1
CEIE 409	Professional Practice and Management in Engineering (Mason Core)	1
CS 105	Computer Ethics and Society (Mason Core)	1
ENGR 107	Introduction to Engineering (Mason Core)	2
IT 304	IT in the Global Economy (Mason Core)	3
PHIL 112	Ethics and the Cybersociety (Mason Core)	1

## Core Requirements (22 credits)

Core requirements help ensure that students become acquainted with the broad range of intellectual domains that contribute to a liberal education. By experiencing subject matter and ways of knowing in a variety of fields, students will be better able to synthesize new knowledge, respond to fresh challenges, and meet the demands of a complex world.

The course list reflects approved courses as of press time. See the most current list (<http://masoncore.gmu.edu/general-education-at-mason-2>) for updates.

Note: Beginning Fall 2014, certain courses within the Mason Core can count for more than one category, if approved by the Mason Core committee. Students will be allowed to double count two courses (up to six credit hours) to fulfill their Mason Core requirements. Courses that qualify for double counting will be listed in their individually approved sections. Students may not double count credits in Oral Communication, Written Communication, or Quantitative Reasoning categories.

### Arts (3 credits)

Mason courses in the film making, visual and performing arts stress generative, inquiry based learning through direct aesthetic and creative experience in the studio environment. Art history courses address the intrinsic relationship of personal and cultural creativity, and the manifestation of aesthetics, visual culture and visual narrative within historical contexts.

### Learning Outcomes:

Students who successfully complete a course in the Arts category must meet the first learning outcome and a minimum of two of the remaining four learning outcomes:

1. Demonstrate an understanding of the relationship between artistic process, and a work's underlying concept, and where appropriate, contexts associated with the work.
2. Identify and analyze the formal elements of a particular art form using vocabulary and critique appropriate to that form.
3. Analyze cultural productions using standards appropriate to the form, as well as the works cultural significance and context.
4. Analyze and interpret the content of material or performance culture through its social, historical, and personal contexts.
5. Engage in generative artistic processes, including conception, creation, and ongoing critical analysis.

### Required:

One approved course.

ARTH 101	Introduction to the Visual Arts (Mason Core)	3
ARTH 102	Symbols and Stories in Art (Mason Core)	3
ARTH 103	Introduction to Architecture (Mason Core)	3
ARTH 200	History of Western Art I (Mason Core)	3
ARTH 201	History of Western Art II (Mason Core)	3
ARTH 203	Survey of Asian Art (Mason Core)	3
ARTH 204	Survey of Latin American Art (Mason Core)	3
ARTH 206	Survey of African Art (Mason Core)	3
ARTH 321	Greek Art and Archaeology (Mason Core)	3
ARTH 322	Roman Art and Archaeology (Mason Core)	3
ARTH 324	From Alexander the Great to Cleopatra: The Hellenistic World (Mason Core)	3
ARTH 333	Early Christian and Byzantine Art (Mason Core)	3
ARTH 334	Western Medieval Art (Mason Core)	3
ARTH 335	Arts of Medieval England (Mason Core)	3
ARTH 340	Early Renaissance Art in Italy, 1300-1500 (Mason Core)	3
ARTH 341	Northern Renaissance Art (Mason Core)	3
ARTH 342	High Renaissance Art in Italy, 1480-1570 (Mason Core)	3
ARTH 344	Baroque Art in Italy, France, and Spain, 1600-1750 (Mason Core)	3
ARTH 345	Northern Baroque Art, 1600-1750 (Mason Core)	3
ARTH 360	Nineteenth-Century European Art (Mason Core)	3
ARTH 362	Twentieth-Century European Art (Mason Core)	3
ARTH 370	Arts of the United States (Mason Core)	3
ARTH 372	Studies in 18th- and 19th-Century Art of the United States (Mason Core)	3
ARTH 373	Studies in 20th-Century Art of the United States (Mason Core)	3

ARTH 376	Twentieth-Century Latin American Art (Mason Core)	3	MUSI 280	Athletic and Ceremonial Ensemble (Mason Core)	0-1
AVT 103	Introduction to the Artist's Studio (Mason Core)	3	MUSI 301	Music in Motion Pictures (Mason Core)	3
AVT 104	Two-Dimensional Design and Color (Mason Core)	4	MUSI 302	American Musical Theater (Mason Core)	3
AVT 215	Typography (Mason Core)	4	MUSI 380	Wind Symphony (Mason Core)	1
AVT 222	Drawing I (Mason Core)	4	MUSI 381	University Chorale (Mason Core)	1
AVT 232	Painting I (Mason Core)	4	MUSI 382	Piano Ensemble (Mason Core)	1
AVT 243	Printmaking I (Mason Core)	4	MUSI 383	Symphonic Band (Mason Core)	1
AVT 252	Darkroom Photography I (Mason Core)	4	MUSI 384	Symphonic Chorus (Mason Core)	1
AVT 253	Digital Photography I (Mason Core)	4	MUSI 385	Chamber Singers (Mason Core)	1
AVT 262	Sculpture I (Mason Core)	4	MUSI 387	Symphony Orchestra (Mason Core)	1
AVT 272	Interdisciplinary Arts (Mason Core)	4	MUSI 389	Jazz Ensemble (Mason Core)	1
AVT 385	EcoArt (Mason Core)	3	MUSI 485	Chamber Ensembles (Mason Core)	1
DANC 101	Dance Appreciation (Mason Core)	3	PHIL 156	What Is Art? (Mason Core)	3
DANC 119	Dance in Popular Culture: Afro-Latino Dance (Mason Core)	3	THR 101	Theatrical Medium (Mason Core)	3
DANC 125	Modern/Contemporary Dance I (Mason Core)	3	THR 150	Greeks to Restoration (Mason Core)	3
DANC 131	Beginning Jazz Technique (Mason Core)	3	THR 151	Romanticism to Present (Mason Core)	3
DANC 145	Ballet I (Mason Core)	3	THR 210	Acting I (Mason Core)	3
DANC 161	Beginning Tap Dance (Mason Core)	3	THR 230	Fundamentals of Production (Mason Core)	3
DANC 225	Modern/Contemporary Dance II (Mason Core)	3	THR 395	Theater as the Life of the Mind (Mason Core)	3
DANC 231	Intermediate Jazz Technique (Mason Core)	3	THR 411	Great Film Directors (Mason Core)	3
DANC 245	Ballet II (Mason Core)	3	THR 412	Great Film Performances (Mason Core)	3
DANC 301	What is Dance? (Mason Core)	3			
DANC 325	Modern/Contemporary Dance III (Mason Core)	1-3			
DANC 331	Advanced Jazz Dance (Mason Core)	3			
DANC 345	Ballet III (Mason Core)	1-3			
DANC 390	Dance History I (Mason Core)	3			
DANC 391	Dance History II (Mason Core)	3			
DANC 425	Modern/Contemporary Dance IV (Mason Core)	1-3			
DANC 445	Ballet IV (Mason Core)	1-3			
ENGH 370	Introduction to Documentary (Mason Core)	3			
ENGH 371	Television Studies (Mason Core)	3			
ENGH 372	Introduction to Film (Mason Core)	3			
ENGH 396	Introduction to Creative Writing (Mason Core)	3			
FAVS 225	The History of World Cinema (Mason Core)	3			
GAME 101	Introduction to Game Design (Mason Core)	3			
MUSI 100	Fundamentals of Music (Mason Core)	3			
MUSI 101	Introduction to Classical Music (Mason Core)	3			
MUSI 102	Popular Music in America (Mason Core)	3			
MUSI 107	Jazz and Blues in America (Mason Core)	3			

## Global Understanding (3 credits)

The goal of the global understanding category is to help students see the world from multiple perspectives, reflect upon their positions in a global society, and be prepared for future engagement as global citizens. While it may include historical perspective, global understanding courses focus primarily on contemporary understanding of one's place in a global society.

### Learning Outcomes:

Courses in this category must meet a minimum of three of the following learning outcomes.

1. Identify and articulate one's own values and how those values influence their interactions and relationships with others, both locally and globally.
2. Demonstrate understanding of how the patterns and processes of globalization make visible the interconnections and differences among and within contemporary global societies.
3. Demonstrate the development of intercultural competencies.
4. Explore individual and collective responsibilities within a global society through analytical, practical, or creative responses to problems or issues, using resources appropriate to the field.

### Required:

One approved course.

ANTH 302	Peoples and Cultures of Latin America (Mason Core)	3
ANTH 306	Peoples and Cultures of Island Asia (Mason Core)	3
ANTH 307	Ancient Mesoamerica (Mason Core)	3

ANTH 308	Peoples and Cultures of the Middle East (Mason Core)	3	HIST 251	Survey of East Asian History (Mason Core)	3
ANTH 309	Peoples and Cultures of India (Mason Core)	3	HIST 252	Survey of East Asian History (Mason Core)	3
ANTH 312	Political Anthropology (Mason Core)	3	HIST 261	Survey of African History (Mason Core)	3
ANTH 313	Myth, Magic, and Mind (Mason Core)	3	HIST 262	Survey of African History (Mason Core)	3
ANTH 316	Peoples and Cultures of the Caribbean (Mason Core)	3	HIST 271	Survey of Latin American History (Mason Core)	3
ANTH 331	Refugees (Mason Core)	3	HIST 272	Survey of Latin American History (Mason Core)	3
ANTH 332	Cross-Cultural Perspectives on Globalization (Mason Core)	3	HIST 281	Survey of Middle Eastern Civilization (Mason Core)	3
ANTH 382	Urban Anthropology (Mason Core)	3	HIST 282	Survey of Middle Eastern Civilization (Mason Core)	3
ARTH 319	Art and Archaeology of the Ancient Near East (Mason Core)	3	HIST 328	Rise of Russia (Mason Core)	3
ARTH 320	Art of the Islamic World (Mason Core)	3	HIST 329	Modern Russia and the Soviet Union (Mason Core)	3
ARTH 382	Arts of India (Mason Core)	3	HIST 356	Modern Japan (Mason Core)	3
ARTH 383	Arts of Southeast Asia (Mason Core)	3	HIST 357	Postwar Japan (Mason Core)	3
ARTH 384	Arts of China (Mason Core)	3	HIST 358	Post-1949 China (Mason Core)	3
ARTH 385	Arts of Japan (Mason Core)	3	HIST 360	History of South Africa (Mason Core)	3
ARTH 386	The Silk Road (Mason Core)	3	HIST 364	Revolution and Radical Politics in Latin America (Mason Core)	3
BUS 200	Global Environment of Business (Mason Core)	3	HIST 365	Conquest and Colonization in Latin America (Mason Core)	3
CEIE 100	Environmental Engineering around the World (Mason Core)	3	HIST 387	Topics in Global History (Mason Core)	3-6
COMM 305	Foundations of Intercultural Communication (Mason Core)	3	HIST 460	Modern Iran (Mason Core)	3
COMM 456	Comparative Mass Media (Mason Core)	3	HIST 462	Women in Islamic Society (Mason Core)	3
CRIM 405	Law and Justice around the World (Mason Core)	3	JAPA 310	Japanese Culture in a Global World (Mason Core)	3
DANC 118	World Dance (Mason Core)	3	MBUS 305	Introduction to International Business (Mason Core)	3
DANC 318	Global Perspectives: World Dance Forms (Mason Core)	3	MUSI 103	Musics of the World (Mason Core)	3
DANC 418	Global Dance Intensive (Mason Core)	3	MUSI 431	Music History in Society III (Mason Core)	3
ECON 360	Economics of Developing Areas (Mason Core)	3	PHIL 243	Global Environmental Ethics (Mason Core)	3
ECON 361	Economic Development of Latin America (Mason Core)	3	PROV 105	American Cultures (Mason Core)	3
ECON 362	African Economic Development (Mason Core)	3	PSYC 379	Applied Cross-Cultural Psychology (Mason Core)	3
ECON 380	Economies in Transition (Mason Core)	3	RELI 100	The Human Religious Experience (Mason Core)	3
ECON 390	International Economics (Mason Core)	3	RELI 211	Religions of the West (Mason Core)	3
ENGH 362	Global Voices (Mason Core)	3	RELI 212	Religions of Asia (Mason Core)	3
ENGH 366	The Idea of a World Literature (Mason Core)	3	RELI 313	Hinduism (Mason Core)	3
FAVS 300	Global Horror Film (Mason Core)	3	RELI 315	Buddhism (Mason Core)	3
FRLN 331	Topics in World Cinema (Mason Core)	3	RELI 320	Religion and Revolution in Latin America (Mason Core)	3
GCH 205	Global Health (Mason Core)	3	RELI 322	Religions of Africa (Mason Core)	3
GGG 101	Major World Regions (Mason Core)	3	RELI 341	Global Perspectives on Spirituality and Healing (Mason Core)	3
GLOA 101	Introduction to Global Affairs (Mason Core)	3	RELI 374	Islamic Thought (Mason Core)	3
GOVT 132	Introduction to International Politics (Mason Core)	3	RUSS 354	Contemporary Post-Soviet Life (Mason Core)	3
GOVT 133	Introduction to Comparative Politics (Mason Core)	3	SOCI 120	Globalization and Society (Mason Core)	3

SOCI 320	Social Structure and Globalization (Mason Core)	3	ITAL 325	Major Italian Writers (Mason Core)	3
SOCI 332	The Urban World (Mason Core)	3	JAPA 340	Topics in Japanese Literature (Mason Core)	3
SPAN 322	Introduction to Latin American Culture (Mason Core)	3	KORE 311	Modern Korean Literature in Translation (Mason Core)	3
SPAN 466	Latin American Civilization and Culture (Mason Core)	3	PHIL 253	Philosophy and Literature (Mason Core)	3
SYST 202	Engineering Systems in a Complex World (Mason Core)	3	RELI 235	Religion and Literature (Mason Core)	3
THR 359	World Stages (Mason Core)	3	RELI 333	Spiritual Autobiography (Mason Core)	3
TOUR 210	Global Understanding through Travel and Tourism (Mason Core)	3	RUSS 325	Major Russian Writers (Mason Core)	3
WMST 100	Representations of Women (Mason Core)	3	RUSS 326	A Survey of Russian Literature (Mason Core)	3
			RUSS 327	A Survey of Russian Literature (Mason Core)	3
			SPAN 325	Major Hispanic Writers (Mason Core)	3

## Literature (3 credits)

### Learning Outcomes:

1. Students will be able to read for comprehension, detail, and nuance.
2. Identify the specific literary qualities of language as employed in the texts they read.
3. Analyze the ways specific literary devices contribute to the meaning of a text.
4. Identify and evaluate the contribution of the social, political, historical, and cultural contexts in which a literary text is produced.
5. Evaluate a critical argument in others' writing as well as one's own.

### Required:

One approved course.

ARAB 325	Major Arab Writers/Stories (Mason Core)	3
CHIN 310	Survey of Chinese Literature (Mason Core)	3
CHIN 311	Modern Chinese Literature in Translation (Mason Core)	3
CHIN 325	Major Chinese Writers (Mason Core)	3
CHIN 328	Asian American Women Writers (Mason Core)	3
CLAS 250	Classical Mythology (Mason Core)	3
CLAS 260	The Legacy of Greece and Rome (Mason Core)	3
CLAS 340	Greek and Roman Epic (Mason Core)	3
CLAS 350	Greek and Roman Tragedy (Mason Core)	3
CLAS 360	Greek and Roman Comedy (Mason Core)	3
CLAS 380	Greek and Roman Novels (Mason Core)	3
ENGH 201	Reading and Writing about Texts (Mason Core)	3
ENGH 202	Texts and Contexts (Mason Core)	3
ENGH 203	Western Literary Tradition (Mason Core)	3
ENGH 204	Western Literary Traditions (Mason Core)	3
FREN 325	Major French Writers (Topic Varies) (Mason Core)	3
FREN 329	Problems of Western Civilization in French Literature (Mason Core)	3
FRLN 330	Topics in World Literature (Mason Core)	3
GERM 325	Major Writers (Mason Core)	3
ITAL 320	Topics in Italian Film and Literature (Mason Core)	3

## Natural Science (7 credits total)

The Mason Core natural sciences courses engage students in scientific exploration; foster their curiosity; enhance their enthusiasm for science; and enable them to apply scientific knowledge and reasoning to personal, professional and public decision-making. Lab courses must meet all five learning outcomes. Non-lab courses must meet learning outcomes 1 through 4.

### Learning Outcomes:

1. Understand how scientific inquiry is based on investigation of evidence from the natural world, and that scientific knowledge and understanding: a) evolves based on new evidence, and b) differs from personal and cultural beliefs.
2. Recognize the scope and limits of science.
3. Recognize and articulate the relationship between the natural sciences and society and the application of science to societal challenges (e.g., health, conservation, sustainability, energy, natural disasters, etc.).
4. Evaluate scientific information (e.g., distinguish primary and secondary sources, assess credibility and validity of information).
5. Participate in scientific inquiry and communicate the elements of the process, including: a) making careful and systematic observations, b) developing and testing a hypothesis, c) analyzing evidence, and d) Interpreting results.

### Required:

Two approved science courses. At least one course will include laboratory experience.

### Non-lab (3 credits)

ANTH 135	Introduction to Biological Anthropology (Mason Core)	3
ASTR 103	Astronomy (Mason Core)	3
ASTR 302	Foundations of Cosmological Thought (Mason Core)	3
BIOL 140	Plants and People (Mason Core)	3
CHEM 101	Introduction to Modern Chemistry (Mason Core)	3
CHEM 102	Introduction to Organic, Biochemical, Pharmacological, and Fuel Chemistry (Mason Core)	3
CHEM 201	Introductory Chemistry I (Mason Core)	3
CHEM 202	Introductory Chemistry II (Mason Core)	3

CLIM 101	Global Warming: Weather, Climate, and Society (Mason Core)	3	GEOL 101	Introductory Geology I (Mason Core)	4
EVPP 201	Environment and You: Issues for the Twenty-First Century (Mason Core)	3	GEOL 102	Introductory Geology II (Mason Core)	4
GEOL 134	Evolution and Extinction (Mason Core)	3	GGS 121	Dynamic Atmosphere and Hydrosphere (Mason Core)	4
GGS 102	Physical Geography (Mason Core)	3	HNRT 227	Scientific Thought and Processes I (Mason Core)	4
NUTR 295	Introduction to Nutrition (Mason Core)	3	HNRT 228	Scientific Thought and Processes II (Mason Core)	4
PHYS 106	The Quantum World: A Continuous Revolution in What We Know and How We Live (Mason Core)	3	PHYS 103	Physics and Everyday Phenomena I (Mason Core)	4
PROV 301	Great Ideas in Science (Mason Core)	3	PHYS 104	Physics and Everyday Phenomena II (Mason Core)	4
<b>Lab (4 credits)</b>			PHYS 111	Introduction to the Fundamentals of Atmospheric Science (Mason Core)	3
ASTR 111	Introductory Astronomy: The Solar System (Mason Core)	3	PHYS 112	Introduction to the Fundamentals of Atmospheric Science Lab (Mason Core)	1
ASTR 112	Introductory Astronomy Lab: The Solar System (Mason Core)	1	PHYS 160	University Physics I (Mason Core)	3
ASTR 113	Introductory Astronomy: Stars, Galaxies, and the Universe (Mason Core)	3	PHYS 161	University Physics I Laboratory (Mason Core)	1
ASTR 114	Introductory Astronomy Lab: Stars, Galaxies, and the Universe (Mason Core)	1	PHYS 243	College Physics (Mason Core)	3
ASTR 115	Finding New Worlds (Mason Core)	4	PHYS 244	College Physics Lab (Mason Core)	1
BIOL 103	Introductory Biology I (Mason Core)	4	PHYS 245	College Physics (Mason Core)	3
BIOL 104	Introductory Biology II (Mason Core)	4	PHYS 246	College Physics Lab (Mason Core)	1
BIOL 213	Cell Structure and Function (Mason Core)	4	PHYS 260	University Physics II (Mason Core)	3
CDS 101	Introduction to Computational and Data Sciences (Mason Core)	3	PHYS 261	University Physics II Laboratory (Mason Core)	1
CDS 102	Introduction to Computational and Data Sciences Lab (Mason Core)	1	PHYS 262	University Physics III (Mason Core)	3
CHEM 103	Chemical Science in a Modern Society (Mason Core)	4	PHYS 263	University Physics III Laboratory (Mason Core)	1
CHEM 104	Introduction to Organic, Biochemical, Pharmacological, and Fuel Chemistry (Mason Core)	4	<b>Social and Behavioral Sciences (3 credits)</b>		
CHEM 155	Introduction to Environmental Chemistry I (Mason Core)	4	<b>Learning Outcomes:</b>		
CHEM 156	Introduction to Environmental Chemistry II (Mason Core)	4	The following three learning outcomes are required goals of disciplinary or interdisciplinary courses:		
CHEM 211	General Chemistry I (Mason Core)	3	1. Explain how individuals, groups or institutions are influenced by contextual factors;		
CHEM 212	General Chemistry II (Mason Core)	3	2. Demonstrate awareness of changes in social and cultural constructs;		
CHEM 213	General Chemistry Laboratory I (Mason Core)	1	3. Use appropriate methods and resources to apply social and behavioral science concepts, terminology, principles and theories in the analysis of significant human issues, past or present.		
CHEM 214	General Chemistry Laboratory II (Mason Core)	1	<b>Required:</b>		
CHEM 251	General Chemistry for Engineers (Mason Core)	4	One approved course.		
CLIM 102	Introduction to Global Climate Change Science (Mason Core)	4	AFAM 200	Introduction to African American Studies (Mason Core)	3
CLIM 111	Introduction to the Fundamentals of Atmospheric Science (Mason Core)	3	ANTH 114	Introduction to Cultural Anthropology (Mason Core)	3
CLIM 112	Introduction to the Fundamentals of Atmospheric Science Lab (Mason Core)	1	ANTH 120	Unearthing the Past: Prehistory, Culture and Evolution (Mason Core)	3
EVPP 110	The Ecosphere: An Introduction to Environmental Science I (Mason Core)	4	ANTH 135	Introduction to Biological Anthropology (Mason Core)	3
EVPP 111	The Ecosphere: An Introduction to Environmental Science II (Mason Core)	4	ANTH 363	Humans, Disease, and Death (Mason Core)	3
			ANTH 372	Cultures of Disaster, Risk, and Hope (Mason Core)	3

ANTH 396	Issues in Anthropology: Social Sciences (Mason Core)	3
BUS 100	Business and Society (Mason Core)	3
CONF 101	Conflict and Our World (Mason Core)	3
CONS 410	Human Dimensions in Conservation (Mason Core)	3
CRIM 100	Introduction to Criminal Justice (Mason Core)	3
ECON 100	Economics for the Citizen (Mason Core)	3
ECON 103	Contemporary Microeconomic Principles (Mason Core)	3
ECON 104	Contemporary Macroeconomic Principles (Mason Core)	3
ECON 105	Environmental Economics for the Citizen (Mason Core)	3
ECON 367	Money, Markets, and Economic Policy (Mason Core)	3
EDUC 203	Disability in American Culture (Mason Core)	3
EDUC 372	Human Development, Learning, and Teaching (Mason Core)	3
GCH 325	Stress and Well-Being (Mason Core)	3
GGG 103	Human Geography (Mason Core)	3
GOVT 101	Democratic Theory and Practice (Mason Core)	3
GOVT 103	Introduction to American Government (Mason Core)	3
GOVT 367	Money, Markets and Economic Policy (Mason Core)	3
HEAL 230	Introduction to Health Behavior (Mason Core)	3
HIST 121	Formation of the American Republic (Mason Core)	3
HIST 122	Development of Modern America (Mason Core)	3
LING 306	General Linguistics (Mason Core)	3
PSYC 100	Basic Concepts in Psychology (Mason Core)	3
PSYC 211	Developmental Psychology (Mason Core)	3
PSYC 231	Social Psychology (Mason Core)	3
SOCI 101	Introductory Sociology (Mason Core)	3
SOCI 352	Social Problems and Solutions (Mason Core)	3
SOCI 355	Social Inequality (Mason Core)	3
TOUR 311	Women and Tourism (Mason Core)	3
WMST 200	Introduction to Women and Gender Studies (Mason Core)	3

## Western Civilization/World History (3 credits)

### Learning Outcomes:

Courses must meet at least three of the five learning outcomes.

1. Demonstrate familiarity with the major chronology of Western civilization or world history.
2. Demonstrate the ability to narrate and explain long-term changes and continuities in Western civilization or world history.

3. Identify, evaluate, and appropriately cite online and print resources.
4. Develop multiple historical literacies by analyzing primary sources of various kinds (texts, images, music) and using these sources as evidence to support interpretation of historical events.
5. Communicate effectively— through speech, writing, and use of digital media—their understanding of patterns, process, and themes in the history of Western civilization or the world.

### Required:

One approved course.

HIST 100	History of Western Civilization (Mason Core)	3
HIST 125	Introduction to World History (Mason Core)	3

### Transfer students may substitute one of the following for HIST 100 History of Western Civilization (Mason Core)

HIST 101	Foundations of Western Civilization	3
HIST 102	Development of Western Civilization	3
HIST 301	Classical Greece	3
HIST 302	Classical Rome	3
HIST 304	Western Europe in the Middle Ages	3
HIST 305	The Renaissance	3
HIST 306	The Reformation	3
HIST 308	Nineteenth-Century Europe	3
HIST 309	Europe in Crisis: 1914-1948	3
HIST 312	Nationalism in Eastern Europe	3
HIST 314	History of Germany	3
HIST 322	Modern Britain	3
HIST 388	Topics in European History	3
HIST 436	European Society and Culture: 19th and 20th Centuries	3
HIST 480	Alexander the Great	3

### Transfer students may substitute one of the following for HIST 125 Introduction to World History (Mason Core)

HIST 202	Freshman/Sophomore Seminar in Global History	3
HIST 387	Topics in Global History (Mason Core)	3-6

## Synthesis or Capstone Experience Requirement (minimum 3 credits)

The purpose of the synthesis course is to provide students with the opportunity to synthesize the knowledge, skills and values gained from the Mason Core curriculum. Synthesis courses strive to expand students' ability to master new content, think critically, and develop life-long learning skills across the disciplines. While it is not feasible to design courses that cover "all" areas of general education, synthesis courses should function as a careful alignment of disciplinary goals with a range of Mason Core learning outcomes.

Many departments may require a Capstone Experience instead of a Synthesis course. Please see your major advisor to confirm which requirement you must complete.



### Learning Outcomes for Synthesis:

The Mason Core synthesis course must address outcomes 1 and 2, and at least one outcome under 3. Upon completing a synthesis course, students will be able to:

1. Communicate effectively in both oral and written forms, applying appropriate rhetorical standards (e.g., audience adaptation, language, argument, organization, evidence, etc.)
2. Using perspectives from two or more disciplines, connect issues in a given field to wider intellectual, community or societal concerns
3. Apply critical thinking skills to:
  - a. Evaluate the quality, credibility and limitations of an argument or a solution using appropriate evidence or resources, OR,
  - b. Judge the quality or value of an idea, work, or principle based on appropriate analytics and standards

### Required: One approved course.

Note: The course list reflects approved courses as of press time. See the most current list (<http://masoncore.gmu.edu/general-education-at-mason-2>) for updates.

### Synthesis Courses

ANTH 400	Engaging the World: Anthropological Perspectives (Mason Core)	3	EDCI 490	Student Teaching in Education (Mason Core)	6
ARTH 394	The Museum (Mason Core)	3	EVPP 480	Sustainability in Action (Mason Core)	4
AVT 385	EcoArt (Mason Core)	3	FAVS 352	Ethics of Film and Video (Mason Core)	3
AVT 497	Senior Project (Mason Core)	3	FRLN 385	Multilingualism, Identity, and Power (Mason Core)	3
AVT 498	Senior Design Project (Mason Core)	3	GAME 490	Senior Game Design Capstone (Mason Core)	3
BENG 492	Senior Advanced Design Project I (Mason Core)	2	GEOL 420	Earth Science and Policy (Mason Core)	3
BENG 493	RS: Senior Advanced Design Project II (Mason Core)	2	GGG 303	Geography of Resource Conservation (Mason Core)	3
BINF 354	Foundations in Mathematical Biology (Mason Core)	3	GGG 304	Population Geography (Mason Core)	3
BIOL 301	Biology and Society (Mason Core)	3	GOVT 490	Synthesis Seminar (Mason Core)	3
BIS 490	RS: Senior Project (Mason Core)	3	GOVT 491	Honors Seminar (Mason Core)	3
CEIE 490	Senior Design Project (Mason Core)	3	HAP 465	Integration of Professional Skills and Issues (Mason Core)	3
COMM 326	Rhetoric of Social Movements and Political Controversy (Mason Core)	3	HDFS 400	Advanced Family Processes (Mason Core)	3
COMM 362	Argument and Public Policy (Mason Core)	3	HIST 300	Introduction to Historical Method (Mason Core)	3
COMM 454	Free Speech and Ethics (Mason Core)	3	HIST 499	RS: Senior Seminar in History (Mason Core)	3
CONF 490	RS: Integration (Mason Core)	3	HNRS 353	Technology in the Contemporary World (Topic Varies) (Mason Core)	3
CONS 490	RS: Integrated Conservation Strategies (Mason Core)	3	INTS 308	American Landscapes in Fiction, Film, and History (Mason Core)	6
CONS 491	RS: Conservation Management Planning (Mason Core)	4	IT 492	Senior Design Project I (Mason Core)	3
CRIM 495	Capstone in Criminology, Law and Society (Mason Core)	3	LAS 499	Research Seminar in Latin American Studies (Mason Core)	3
CS 306	Synthesis of Ethics and Law for the Computing Professional (Mason Core)	3	MATH 400	History of Math (Topic Varies) (Mason Core)	3
DANC 490	Senior Dance Seminar (Mason Core)	3	NURS 465	Examination and Integration of Professional and Health Care Issues (Mason Core)	3
ECE 492	Senior Advanced Design Project I (Mason Core)	1	PHIL 309	Bioethics (Mason Core)	3
ECE 493	RS: Senior Advanced Design Project II (Mason Core)	2	PHIL 343	Topics in Environmental Philosophy (Mason Core)	3
ECON 309	Economic Problems and Public Policies (Mason Core)	3	PHIL 377	Darwin: Biology and Beyond (Mason Core)	3
			PHIL 378	Reason, Science and Faith in the Modern Age (Mason Core)	3
			PHIL 379	Perspectives on Time (Mason Core)	3
			PHYS 346	Quarks to Strings (Mason Core)	3
			PROV 342	The George Mason Debates in Current Affairs (Mason Core)	3
			PSYC 405	Mystery, Madness, and Murder (Mason Core)	3
			PSYC 406	Psychology of Communication (Mason Core)	3
			PSYC 427	Community Engagement for Social Change (Mason Core)	3
			RELI 490	Comparative Study of Religions (Mason Core)	3
			RUSS 353	Russian Civilization (Mason Core)	3
			SOCI 377	Art and Society (Mason Core)	3
			SOCI 483	The Sociology of Higher Education (Mason Core)	3

SOCW 375	Human Behavior and the Family Life Course (Mason Core)	3
SPAN 388	Introduction to Latina/o Studies (Mason Core)	3
SYST 495	Senior Design Project II (Mason Core)	3
THR 440	Advanced Studies in Directing/ Dramaturgy (Mason Core)	3
THR 496	Text in Production (Mason Core)	3

### Capstone Courses

ARAB 351	Media Arabic II (Spoken Media) (Mason Core)	3
ARAB 440	Topics in Arabic Religious Thought and Texts (Mason Core)	3
ASTR 402	RS: Methods of Observational Astronomy (Mason Core)	4
ATEP 441	Senior Seminar in Athletic Training (Mason Core)	3
AVT 497	Senior Project (Mason Core)	3
AVT 498	Senior Design Project (Mason Core)	3
BAS 491	Applied Sciences Capstone (Mason Core)	3
BENG 492	Senior Advanced Design Project I (Mason Core)	2
BENG 493	RS: Senior Advanced Design Project II (Mason Core)	2
BIOL 379	RS: Ecological Sustainability (Mason Core)	4
BUS 498	Capstone Course: Advanced Business Models (Mason Core)	3
CEIE 490	Senior Design Project (Mason Core)	3
CHIN 318	Introduction to Classical Chinese (Mason Core)	3
CHIN 355	Readings in Chinese Poetry and Poetics (Mason Core)	3
CHIN 475	Chinese Popular Culture (Mason Core)	3
CYSE 493	Senior Advanced Design Project II (Mason Core)	3
ECE 492	Senior Advanced Design Project I (Mason Core)	1
ECE 493	RS: Senior Advanced Design Project II (Mason Core)	2
ENGH 401	RS: Honors Thesis Writing Seminar (Mason Core)	3
ENGH 417	RS: Topics in Folklore Research (Mason Core)	3
ENGH 458	RS: Topics in Literary Research (Mason Core)	3
ENGH 470	RS: Topics in Film/Media History (Mason Core)	3
ENGH 484	RS: Writing Ethnography (Mason Core)	3
ENGH 486	RS: Writing Nonfiction for Publication (Mason Core)	3
ENGH 495	Capstone and Thesis (Mason Core)	3
EVPP 378	RS: Ecological Sustainability (Mason Core)	4

FAVS 496	Advanced Visual Storytelling (Mason Core)	3
FAVS 497	Senior Film Practicum (Mason Core)	3
FAVS 499	Senior Project (Mason Core)	3
GAME 490	Senior Game Design Capstone (Mason Core)	3
GCH 465	Community Health Capstone (Mason Core)	3
GLOA 400	Global Affairs Capstone (Mason Core)	3
HAP 489	Pre-Internship Seminar (Mason Core)	3
HAP 498	Health Administration Internship (Mason Core)	4
IT 492	Senior Design Project I (Mason Core)	3
IT 493	Senior Design Project II (Mason Core)	4
KINE 490	Kinesiology Internship III (Mason Core)	12
ME 444	Mechanical Design II (Mason Core)	3
MUSI 324	Junior Recital (Mason Core)	1
MUSI 424	Senior Recital (Mason Core)	1
MUSI 490	RS: Musical Communication in Context (Mason Core)	3
MUSI 491	Musical Communication in Performance (Mason Core)	1
MUSI 495	Internship in Music Education (Mason Core)	6-12
PHED 415	Student Teaching in Physical Education (Mason Core)	12
PHIL 421	Seminar (Mason Core)	3
PHIL 422	Honors Seminar (Mason Core)	3
PHYS 407	Senior Laboratory in Modern Physics (Mason Core)	4
PRLS 490	Recreation Management Internship (Mason Core)	12
RHBS 499	Senior Capstone in Rehabilitation Science (Mason Core)	3
SOCI 485	RS: Sociological Analysis and Practice (Mason Core)	3
SOCW 472	RS: Integrative Methods in Social Action and Social Change (Mason Core)	3
SPMT 490	Internship (Mason Core)	12
STAT 490	Capstone in Statistics (Mason Core)	3
SYST 495	Senior Design Project II (Mason Core)	3
TOUR 490	Hospitality, Tourism, and Events Management Internship (Mason Core)	12

### Writing-Intensive Course Requirement

As part of the university's commitment to student writers in all undergraduate programs, at least one upper-division course in each major has been designated as fulfilling the "writing intensive" (WI) requirement. While other courses in the major may require written projects, teachers of the designated WI courses will devote class time to instruction on how to complete assignments successfully, assign and grade a minimum of 3500 words, provide constructive feedback on drafts, and allow revision of at least one graded assignment. See the description of each major for the specific course or courses that fulfill the WI requirement; select the following for a complete list:

The following courses have been approved to meet the writing-intensive requirement.

NOTE: students MUST select the course approved for their major. See specific degree program for details.

### Writing-Intensive Courses

ACCT 461	Assurance and Audit Services	3	ECE 333	Linear Electronics I	3
ANTH 490	Theories, Methods, and Issues II	3	ECE 445	Computer Organization	3
ARTH 400	Historiography and Methods of Research in Art History (Topic Varies)	3	ECE 491	Engineering Seminar	1
ARTH 420	Advanced Studies in Ancient Art	3	ECON 345	Introduction to Econometrics	3
ARTH 430	Advanced Studies in Medieval or Islamic Art	3	ECON 355	The Political Economy of Nonprofit Institutions	3
ARTH 440	RS: Advanced Studies in Renaissance and Baroque Art	3	ECON 365	Topics in Economic History	3
ARTH 460	RS: Advanced Studies in 20th-Century European Art	3	ECON 435	Economics of Energy	3
ARTH 471	Advanced Studies in Art of the United States	3	ECON 470	Economics of Regulation	3
ARTH 472	RS: Advanced Studies in 20th-Century Latin American Art	3	ENGH 305	Dimensions of Writing and Literature	3
ARTH 474	Advanced Studies in Contemporary Art	3	ENGH 373	Film and Video Forms	3
ARTH 482	RS: Advanced Studies in Asian Art	3	EVPP 337	Environmental Policy Making in Developing Countries	3
ARTH 490	Independent Study in Art History	3	FAVS 470	Film and Video Screenwriting	3
ARTH 491	Independent Study in Art History	3	FAVS 496	Advanced Visual Storytelling (Mason Core)	3
ARTH 492	Honors Directed Readings	3	FAVS 498	Creative Producing and Development	3
ARTH 493	Honors Directed Research	3	FNAN 498	Contemporary Topics in Finance	3
ARTH 495	RS: Objects and Archives in Art History	3	FREN 309	Reading and Writing Skills Development	6
ARTH 499	Advanced Studies in Art History	3	FRSC 302	Forensic Trace Analysis	3
ASTR 402	RS: Methods of Observational Astronomy (Mason Core)	4	FRSC 304	Forensic Chemistry	3
AVT 395	Writing for Artists	3	GAME 332	RS: Story Design for Computer Games	3
BENG 304	Modeling and Control of Physiological Systems	3	GCH 411	Health Program Planning and Evaluation	3
BENG 495	Bioengineering Senior Seminar II	1	GCH 465	Community Health Capstone (Mason Core)	3
BIOL 308	Foundations of Ecology and Evolution	5	GEOL 305	Environmental Geology	3
BIS 390	The Research Process	3	GEOL 317	Geomorphology	4
CDS 302	Scientific Data and Databases	3	GEOL 334	Vertebrate Paleontology	4
CEIE 301	Engineering and Economic Models in Civil Engineering	3	GGS 415	Seminar in Geography	3
CHEM 336	Physical Chemistry Lab I	2	GOVT 490	Synthesis Seminar (Mason Core)	3
CHEM 465	Biochemistry Lab	2	GOVT 491	Honors Seminar (Mason Core)	3
CHIN 480	Fourth-Year Chinese I	3	HAP 465	Integration of Professional Skills and Issues (Mason Core)	3
CLIM 408	Senior Research	3	HDFS 401	Family Law and Public Policy	3
COMM 300	Foundations of Public Communication	3	HIST 300	Introduction to Historical Method (Mason Core)	3
CONF 302	Culture, Identity, and Conflict	3	HIST 499	RS: Senior Seminar in History (Mason Core)	3
CRIM 495	Capstone in Criminology, Law and Society (Mason Core)	3	INTS 300	Law and Justice	3
CS 306	Synthesis of Ethics and Law for the Computing Professional (Mason Core)	3	INTS 301	Science in the News	3
CS 321	Software Engineering	3	INTS 302	Argument and Advocacy	6
CYSE 491	Engineering Senior Seminar	2	INTS 303	Introduction to International Studies	3
DANC 390	Dance History I (Mason Core)	3	INTS 304	Social Movements and Community Activism	4
DANC 391	Dance History II (Mason Core)	3	INTS 305	Conflict Resolution and Transformation	6
			INTS 308	American Landscapes in Fiction, Film, and History (Mason Core)	6
			INTS 310	Violence and Gender	3-6
			INTS 311	The Mysteries of Migration: Consequences for Conservation	6
			INTS 312	Images and Experiences of Childhood: Social Construct, Literature, and Film	3-6
			INTS 314	Conflict, Trauma and Healing	6
			INTS 315	Spirituality and Conflict Transformation	6

INTS 316	Introduction to Childhood Studies	4	INTS 455	Consciousness and Transformation in Action	3
INTS 317	Issues in Family Relationships	4	INTS 465	Independent Study	1-12
INTS 318	Exploring Virginia's Watersheds	4	INTS 475	Special Topics	1-18
INTS 319	Contemporary Youth Studies	3	INTS 490	Internship	1-6
INTS 320	Construction of Differences: Race, Class, and Gender	6	INTS 491	The Senior Capstone Experience	3
INTS 322	Teacher: A Historical Perspective	3	INTS 492	Graduation Portfolio	0
INTS 331	The Nonprofit Sector	4	INTS 493	Graduation Portfolio	0
INTS 333	The Nature of Mathematics	3	INTS 494	Service-Learning Experience	1-15
INTS 334	Environmental Justice	4	INTS 495	Field-Based Work	1-18
INTS 335	Ethics, Communication, and Freedom	3-6	INTS 496	Teaching Assistant Experience	1-6
INTS 336	Poverty, Wealth and Inequality in the US	3	INTS 497	Add-On Experiential Learning	1-3
INTS 337	Social Justice Consciousness and Personal Transformation	3	INTS 498	Field-Based Work	1-15
INTS 338	Animal Rights and Humane Education	3	IT 343	IT Project Management	3
INTS 345	Introduction to Multimedia	5	KINE 450	Research Methods	3
INTS 346	Art as Social Action	4	LAS 300	Latin American Studies: Interdisciplinary Perspectives	3
INTS 347	Gender Representation in Popular Culture	3-6	LAS 499	Research Seminar in Latin American Studies (Mason Core)	3
INTS 348	Digital Futures	3,6	MATH 290	Introduction to Advanced Mathematics	3
INTS 355	Mindfulness, Meaning Well-Being	3	ME 444	Mechanical Design II (Mason Core)	3
INTS 360	The Built Environment	6	MGMT 313	Organizational Behavior	3
INTS 361	Neighborhood, Community, and Identity	3-6	MIS 330	Systems Analysis and Design	3
INTS 362	Social Justice and Human Rights	3	MKTG 471	Marketing Management	3
INTS 365	Independent Study	1-12	MLAB 300	Science Writing	2
INTS 375	Special Topics	1-18	MUSI 332	Music History in Society II	3
INTS 378	Medicine, Justice, and Public Policy	3	MUSI 438	Music History in Society B	3
INTS 381	When Cultural Worlds Collide	6	NEUR 410	Current Topics in Neuroscience	3
INTS 390	International Internship	1-6	NEUR 411	Seminar in Neuroscience	3
INTS 391	Introduction to Integrative Studies	3	NURS 465	Examination and Integration of Professional and Health Care Issues (Mason Core)	3
INTS 394	Service-Learning Experience	1-15	PHED 340	Social and Cultural Issues in Physical Education	3
INTS 395	Field-Based Work	1-18	PHIL 421	Seminar (Mason Core)	3
INTS 396	Teaching Assistant Experience	1-6	PHIL 422	Honors Seminar (Mason Core)	3
INTS 397	Add-On Experiential Learning	1-3	PHYS 407	Senior Laboratory in Modern Physics (Mason Core)	4
INTS 398	Field-Based Work	1-15	PRLS 450	Research Methods	3
INTS 399	Study Abroad	1-6	PSYC 301	Research Methods in Psychology	4
INTS 400	Temptress: Constructs of Sex and Power	3	PSYC 304	Principles of Learning	4
INTS 401	Conservation Biology	6	PSYC 309	Sensation, Perception, and Information Processing	4
INTS 402	Plants and People - Sustenance, Ceremony, and Sustainability	6	RELI 420	Seminar	3
INTS 404	Ethics and Leadership	4	RHBS 499	Senior Capstone in Rehabilitation Science (Mason Core)	3
INTS 405	Women and Leadership	4	RUSS 302	Russian Conversation and Composition	3
INTS 410	Contemporary Health Issues	3-18	RUSS 325	Major Russian Writers (Mason Core)	3
INTS 416	Refugee and Internal Displacement	3	SOCI 412	Contemporary Sociological Theory	3
INTS 420	Work Effectiveness Skills	3	SOCW 471	Research in Social Work	3
INTS 422	An Experiential Approach to American Foreign Policy	3-6	SOM 301	Business Models: A Communication Approach	3
INTS 431	Principles of Fund Raising	4	SPAN 370	Spanish Writing and Stylistics	3
INTS 435	Leadership in a Changing Environment	4	SRST 450	Research Methods	3
INTS 436	Social Justice Education	4			
INTS 440	Death, Dying, and Decision Making	3			
INTS 445	Multimedia Design	5			
INTS 446	Art, Beauty, and Culture	3-6			

SYST 489	Senior Seminar	3
THR 350	Script Analysis	3
THR 482	Advanced Screenplay Workshop	3

## Mason Core Engagement Series (ENCORE)

Creating more opportunities for students to make meaning of the Mason Core educational offerings, to draw greater connections to the larger university community, and to develop additional marketable skill sets, the Mason Core Engagement Series (ENCORE) begins Fall 2016 with the entering freshmen class. This program is an optional pathway for students interested in combining academic coursework with co-curricular activities towards a completion certificate in a specific area of engagement.

### How does the Engagement Series work?

#### Academic connections

Each ENCORE program combines courses within the Mason Core categories with co-curricular activities that enhance classroom learning. Courses are identified in the catalog and in the schedule of classes, enabling a student to select those relevant to the specific engagement series. Out of the approximately 40 credits of Mason Core requirements, at least 18 credits must be related to the relevant ENCORE program.

#### Co-curricular connections

Working in conjunction with University Life and the Patriot Experience, each Engagement Series maps to one of four pathways – career readiness, civic learning/community engagement, global/multicultural, or well-being.

### What happens once the Engagement Series is completed?

After completing the Mason Core classes and the Patriot Experience pathway, students will earn a Mason Core completion certificate. This achievement will be recognized on the academic transcript and honored at graduation.

### What programs are currently available?

#### Mason Core: Engagement Series - Sustainability

*Required: 19 credits*

Sustainability programs at Mason seek to guide students as they critically assess the environmental, social, economic and ethical impacts of technology and policy decisions. The Engagement Series in Sustainability identifies Green Leaf Programs and Courses designated offerings that contribute significantly to students' understanding and practice of sustainability. These offerings extend beyond environmental management, natural resources protection and conservation studies alone to embrace economic development and social responsibility. Both sustainability-focused and sustainability-related courses may receive the green leaf designation.

Students who complete the Engagement Series in Sustainability will be able to:

1. Characterize the meaning of sustainability (including its focus on fulfilling needs and its social, economic and ecological dimensions).
2. Distinguish sustainable from unsustainable human activities and practices.
3. Integrate concepts and principles of sustainability to analyze and address complex societal issues.

4. Present working knowledge of the University's sustainability history, goals, initiatives and pertinent decision-making processes.
5. Demonstrate the ability to lead and apply sustainability knowledge to make a positive societal impact on campus and/or in our community.

#### Requirements and approved courses

All students pursuing the sustainability engagement series must take one credit of INTS 295 Field-Based Work with the topic, 'Leadership for Sustainability,' as the series' gateway. Additional requirements include 18 credits of Mason Core courses that have the Green Leaf Programs and Courses designation. (At least 6 Mason Core categories include one or more Green Leaf course options.)

The following courses have been identified as meeting the criteria for inclusion in the Engagement Series in Sustainability curriculum. The co-curricular section of the certificate is completed through the Patriot Experience, located at <http://patriotexperience.gmu.edu>.

AVT 385	EcoArt (Mason Core)	3
BIOL 140	Plants and People (Mason Core)	3
BUS 200	Global Environment of Business (Mason Core)	3
CEIE 100	Environmental Engineering around the World (Mason Core)	3
CHEM 155	Introduction to Environmental Chemistry I (Mason Core)	4
CHEM 156	Introduction to Environmental Chemistry II (Mason Core)	4
CLIM 101	Global Warming: Weather, Climate, and Society (Mason Core)	3
CLIM 102	Introduction to Global Climate Change Science (Mason Core)	4
CLIM 111	Introduction to the Fundamentals of Atmospheric Science (Mason Core)	3
CLIM 112	Introduction to the Fundamentals of Atmospheric Science Lab (Mason Core)	1
CONS 410	Human Dimensions in Conservation (Mason Core)	3
CONS 490	RS: Integrated Conservation Strategies (Mason Core)	3
CONS 491	RS: Conservation Management Planning (Mason Core)	4
ECON 105	Environmental Economics for the Citizen (Mason Core)	3
EVPP 110	The Ecosphere: An Introduction to Environmental Science I (Mason Core)	4
EVPP 111	The Ecosphere: An Introduction to Environmental Science II (Mason Core)	4
EVPP 201	Environment and You: Issues for the Twenty-First Century (Mason Core)	3
EVPP 480	Sustainability in Action (Mason Core)	4
GEOL 101	Introductory Geology I (Mason Core)	4
GEOL 102	Introductory Geology II (Mason Core)	4
GEOL 134	Evolution and Extinction (Mason Core)	3
GEOL 420	Earth Science and Policy (Mason Core)	3
GGS 102	Physical Geography (Mason Core)	3
GGS 103	Human Geography (Mason Core)	3

GG5 121	Dynamic Atmosphere and Hydrosphere (Mason Core)	4	HEAL 230	Introduction to Health Behavior (Mason Core)	3
GG5 303	Geography of Resource Conservation (Mason Core)	3	PHIL 243	Global Environmental Ethics (Mason Core)	3
GG5 304	Population Geography (Mason Core)	3	RELI 341	Global Perspectives on Spirituality and Healing (Mason Core)	3
PHIL 243	Global Environmental Ethics (Mason Core)	3	Only specific sections of the following courses will fulfill the well-being requirement:		
PHIL 343	Topics in Environmental Philosophy (Mason Core)	3	ENGL 302	Advanced Composition (Mason Core)	3
PHYS 112	Introduction to the Fundamentals of Atmospheric Science Lab (Mason Core)	1	COMM 101	Interpersonal and Group Interaction (Mason Core)	3
SOCI 320	Social Structure and Globalization (Mason Core)	3	HIST 390	The Digital Past (Mason Core)	3
			GLOA 101	Introduction to Global Affairs (Mason Core)	3

### Mason Core: Engagement Series - Well-Being

Required: 18 credits

The ability to thrive and succeed as students, employees, organizations, and in life, directly correlates to one's sense of well-being. Mason has committed to being a "Well-Being University" focused on helping students, faculty and staff build lives with vitality, purpose, and resilience. The Engagement Series in Well-Being identifies offerings that contribute significantly to students' understanding and practice of well-being. These offerings include both well-being-focused and well-being-related courses that are designated in the catalog and in the schedule of classes.

Students who complete the Engagement Series in Well-Being will be able to:

1. Describe and apply methods to enhance interpersonal communication and empathy. This will help the student to create sustainable, quality relationships and social support networks, at a one-on-one and small group level.
2. Demonstrate skills for communication (written, oral, and/or somatic) about well-being.
3. Demonstrate the ability to practice methods to enhance well-being, self-care, self-awareness, and awareness of others.
4. Articulate societal factors impacting community and global well-being, and/or to engage in practices which build greater sensitivity to the needs of others and the inter-dependent nature of life on the earth.
5. Describe the science of stress and its effects – both constructive and destructive – as well as the methodologies used to respond to stress, promote resilience, and enhance well-being.

The following courses have been identified as meeting the criteria for inclusion in the Engagement Series in Well-Being curriculum. To complete the certification, students must select a minimum of 18 credits across the categories offered below. Please note, in several of these courses only specific sections will count for meeting the requirement. No substitutions will be made. Information on courses that count at the section level will be included in the Schedule of Classes, found on Patriot Web. The co-curricular section of the certificate is completed through the Patriot Experience, located at <http://patriotexperience.gmu.edu>.

AVT 385	EcoArt (Mason Core)	3
DANC 125	Modern/Contemporary Dance I (Mason Core)	3
DANC 145	Ballet I (Mason Core)	3