

GEORGE MASON UNIVERSITY - COLLEGE OF SCIENCE
B.S. DEGREE IN BIOLOGY
CONCENTRATION IN ENVIRONMENTAL AND CONSERVATION BIOLOGY
(1200 Exploratory Hall, 703-993-1050)
2014-2015 Catalog

Completed	MASON CORE REQUIREMENTS (27)	Course	Grade
	ENGH 101 (100) (3)		
	COMM (3) (100 or 101)		
N/A	Quantitative Reasoning (satisfied by completion of major requirements)	XXXX	XXXX
	Literature (3)*		
	Fine Arts (3)*		
	Western Civilization HIST 100 or HIST 125 (3)		
	Social and Behavioral Science (3)		
N/A	Natural Science Sequence (satisfied by completion of major requirements)	XXXX	XXXX
	Global Understanding (3) ^{2,4*}		
N/A	Information Technology (satisfied by completion of major requirements)	XXXX	XXXX
	ENGH 302 (C or better) (3)		
	Synthesis (3)		

*A listing of courses satisfying many of the general education requirements can be found on the reverse side of this sheet

MAJOR REQUIREMENTS: BIOLOGY [CORE] (22)

	BIOL 213 (4) Cell Biology		
	BIOL 214 (4) Introduction to Biostatistics		
	BIOL 311 (4) General Genetics (Prerequisites: BIOL 213. BIOL 214 is recommended)		
	BIOL 308 (5) Foundations of Ecology and Evolution (Prerequisite: BIOL 213, 214. BIOL 311 is recommended) Writing Intensive		
	BIOL 310 (5) Biodiversity (Prerequisite: BIOL 213, 214. BIOL 311 is recommended)		

MAJOR REQUIREMENTS: BIOLOGY ELECTIVES (22)

	BIOL318 (3) Conservation Biology		
	BIOL 377 (3) Applied Ecology		
	3-4 credits in field biology chosen from: BIOL345, 350, 468 or one 3-4 credit approved field course		
	12-13 credits: BIOL309, 314, 326, 331, 332, 344, 345*, 350*, 355, 440, 449, 450, 454, 455, 459, 468, 472, 473 [* if not used for field course requirement] Must have one laboratory course		
A. BIOL	B. BIOL	C. BIOL	D. BIOL

MAJOR SUPPORTING REQUIREMENTS (32-33)

	CHEM 211, 212 (8) General Chemistry		
	CHEM 313, 315 (5) Organic Chemistry I		
	CHEM 314, 318 (5) or GEOL101 and 102 (8), or CHEM 300-400 (not 314) (3)		
	PHYS 243, 244 and 245, 246 (8)		
	One of the following MATH 111, 113, or 114		
	CDS130 (3) or IT103 (3)		

GENERAL ELECTIVES (16-17) (List courses)

MINIMUM HOURS TO GRADUATE: 120

UPPER DIVISION CREDITS (300+ level) (minimum 45)

Minimum GPA: (overall 2:00, Major 2.0 [Biology majors must earn a minimum grade of C in all biology core courses listed above], **Supporting 2.0)**

This planning form is intended for use in consultation with your academic advisor; The Undergraduate Catalog is the official reference for program information. For advising appointments go to www.biology.gmu.edu

Literature

ARAB 325 - Major Arab Writers/Stories
CHIN 310 - Survey of Chinese Literature
CHIN 311 - Modern Chinese Literature
CHIN 325 - Major Chinese Writers
CHIN 328 - Asian American Women Writers
CLAS 250 - Classical Mythology
CLAS 260 - Legacy of Greece and Rome
CLAS 340 - Greek and Roman Epic
CLAS 350 - Greek and Roman Tragedy
CLAS 360 - Greek and Roman Comedy
CLAS 380 - Greek and Roman Novels
ENGL 201 - Reading and Writing -Texts
ENGL 202 - Texts and Contexts
ENGL 203 - Western Literary Tradition
ENGL 204 - Western Literary Traditions
FREN 325 - Major French Writers
FREN 329 - Prob of West Civ French Lit
FRLN 330 - Topics in World Literature
GERM 325 - Major Writers
ITAL 320- Topics in Italian Film and Literature
ITAL 325 -Major Italian Writers
JAPA 340- Topics in Japanese Literature
PHIL 253 - Philosophy and Literature
RELI 235 - Religion and Literature
RUSS 325 - Major Russian Writers
RUSS 326 - Survey of Russian Literature
RUSS 327 - Survey of Russian Literature
SPAN 325 - Major Hispanic Writers

Fine Arts

ARTH 101 - Intro to the Visual Arts
ARTH 102 - Symbols and Stories in Art
ARTH 103 - Introduction to Architecture
ARTH 200 - Survey of Western Art
ARTH 201 - Survey of Western Art
ARTH 203 - Survey of Asian Art
ARTH 204 - Survey of Latin American Art
ARTH 321 - Greek Art and Archaeology
ARTH 322 - Roman Art and Archaeology
ARTH 324 - The Hellenistic World
ARTH 333 - Early Christian Byzantine Art
ARTH 334 - Western Medieval Art
ARTH 335 - Arts of Medieval England
ARTH 340 - Early Renaissance Art in Italy
ARTH 341 - Northern Renaissance Art
ARTH 342 - High Renaissance Art Italy
ARTH 344 - Baroque Art Italy, France, and Spain,
ARTH 345 - Northern Baroque Art,
ARTH 360 - 19th-Century European Art
ARTH 362 - 20th-Century European Art
ARTH 372 - 18th -19th-Century US Art
ARTH 373 - 20th-Century US Art
ARTH 376 - 20th-C Latin American Art
AVT 103 - Intro to the Artist's Studio
AVT 104 - Studio Fundamentals I
AVT 215 - Typography
AVT 222 - Drawing I
AVT 232 - Painting I
AVT 243 - Printmaking I
AVT 252 - Fundamentals of Photography
AVT 253 - Intro to Digital Photography
AVT 262 - Sculpture I
AVT 272 - Interdisciplinary Arts
DANC 101 - Dance Appreciation
DANC 119 - Dance in Afro-Latino Culture:
DANC 125 - Beginning Modern Dance
DANC 131 - Beginning Jazz Technique
DANC 145 - Beginning Ballet
DANC 161 - Beginning Tap Dance
DANC 225 - Beginning Interm Modern Dance
DANC 231 - Interm Jazz Technique
DANC 245 - Beginning Interm Ballet
DANC 301 - What is Dance?
DANC 390 - Dance History: Pre-20th C
DANC 391 - Dance History: 20th Century
ENGL 370- Introduction to Documentary
ENGL 372 - Introduction to Film
ENGL 396 - Intro to Creative Writing
FAVS 225 - The History of World Cinema
GAME 101 - Intro to Game Design
MUSI 100 - Fundamentals of Music
MUSI 101 - Intro to Classical Music
MUSI 102 - Popular Music in America
MUSI 107 - The Development of Jazz
MUSI 280- Athletic and Ceremonial Ensemble
MUSI 301 - Music in Motion Pictures
MUSI 302 - American Musical Theater
MUSI 380 - Wind Ensemble (1 cr)
MUSI 381 - University Chorale (1 cr)
MUSI 382- Piano Ensemble (1cr)
MUSI 383 - Symphonic Band (1cr)
MUSI 384- Symphonic Chorus (1cr)
MUSI 385- Chamber Singers (1cr)
MUSI 387- Symphony Orchestra (1cr)
MUSI 389- Jazz Ensemble (1cr)
MUSI 485- Chamber Ensembles (1cr)
PHIL 156 - What Is Art?
THR 101 - Theatrical Medium
THR 150 - Drama, Stage, and Society I
THR 151 - Drama, Stage, and Society II
THR 210 - Acting I
THR 230 - Intro to Technical Theater

THR 395 - Theater -the Life of the Mind
THR 411 - Directing on Screen
THR 412 - Performance on Screen

Social and behavioral science

AFAM 200 - Intro to African American Studies
ANTH 114 - Intro to Cultural Anthro
ANTH 120 - Unearthing the Past:
ANTH 135 - Becoming Human: Evo, Cogn, Culture
ANTH 396 - Issues in Anthropology: Social Sciences
CONF 101 - Conflict and Our World
CONS 410 - Human Dimensions in Conservation
CRIM 100 - Intro Criminal Justice
ECON 100 - Economics for the Citizen
ECON 103 - Microeconomic
ECON 104 - Macroeconomic
ECON 105 - Environ Econ for the Citizen
ECON 110 - Intro to Economic Science
ECON 111 - Lab Methods in Economics (in sequence w/
ECON 110)
EDUC 372 - Human Dev, Learning, and Teaching
GGG 103 - Human Geography
GOVT 101 - Democratic Theory/ Practice
GOVT 103 - Intro to American Gov
GOVT 367- Money, Markets and Economic Policy
HEAL 230 - Intro to Health Behavior
HIST 121 - Form of the American Rep
HIST 122 - Development of Modern America
LING 306- General Linguistics
PSYC 100 - Basic Concepts in Psychology
PSYC 211 - Developmental Psychology
PSYC 231 - Social Psychology
SOCI 101 - Introductory Sociology
SOCI 355- Social Inequality
SOM 100 - Business in American Society
TOUR 311 - Women and Tourism
WMST 200 - Intro to Women and Gender Studies

Global Understanding

ANTH 302 - Peoples & Cultures of Latin America
ANTH 304 - Peoples and Cultures of the Pacific
ANTH 306 - Peoples and Cultures of Island Asia
ANTH 307 - Ancient Mesoamerica
ANTH 308 - Peoples & Cultures of the Middle East
ANTH 309 - Peoples Cultures of India
ANTH 311 - Peoples and Cultures of Mainland Southeast
Asia
ANTH 312 - Political Anthropology
ANTH 313 - Myth, Magic, and Mind
ANTH 316 - Peoples and Cultures of the Caribbean
ANTH 331 - Refugees
ANTH 332 - Cross-cultural perspectives on globalization
ANTH 385 - Gender, Class, and Ethnicity in Latin America
ARTH 319 - Art & Archaeology of the Ancient Near East
ARTH 320 - Art of the Islamic World
ARTH 380 - African Art
ARTH 382 - Arts of India
ARTH 383 - Arts of Southeast Asia
ARTH 384 - Arts of China
ARTH 385 - Arts of Japan
ARTH 386 - The Silk Road
CEIE 100 - Environ Engineering
COMM 305 - Foundation of Intercultural Comm
COMM 456 - Comparative Mass Media
CRIM 405 - Law and Justice
DANC 118 - World Dance
DANC 318 - Global Perspective: World Dance
DANC 418- Global Dance Intensive: Study Abroad to
Cuba
ECON 360 - Econ of Developing Areas
ECON 361 - Econ Dev of Latin America
ECON 362 - African Econ Development
ECON 380 - Economies in Transition
ECON 390 - International Economics
ENGL 362 - Global Voices
ENGL 366 - idea of a World Literature
GCH 205 - International Health
GGG 101 - Major World Regions
GLOA 101 - Intro to Global Affairs
GOVT 132 - Intro to International Politics
GOVT 133 - Intro to Comparative Politics
HIST 130 - History of the Modern Global System
HIST 251 - Survey of East Asian History
HIST 252 - Survey of East Asian History
HIST 261 - Survey of African History
HIST 262 - Survey of African History
HIST 271 - Latin American History
HIST 272 - Latin American History
HIST 281 - Middle Eastern Civilization
HIST 282 - Survey of Middle Eastern Civilization
HIST 328 - Rise of Russia
HIST 329 - Modern Russia and Soviet Union
HIST 356 - Modern Japan
HIST 357- Postwar Japan
HIST 358 - Post-1949 China
HIST 360 - History of South Africa
HIST 364 - Revolution and Radical Politics in Latin
America
HIST 365 - Conquest/Colonization in Latin America
HIST 387 - Topics in Global History
HIST 460 - Modern Iran

HIST 462 - Women in Islamic Society
JAPA 310 - Japanese Culture
MSOM 305 - Managing a Global Economy
MUSI 103 - Musics of the World
MUSI 431 - Music History in Society
PHIL 243- Global Environmental Ethics
PSYC 379 - Applied Cross-Cultural Psych
RELI 100 - Human Religious Experience
RELI 211 - Religions of the West
RELI 212 - Religions of Asia
RELI 313 - Hinduism
RELI 315 - Buddhism
RELI 341 - Global Persp on Spirituality and Healing
RELI 374 - Islamic Thought
RUSS 354 - Post-Soviet Life
SPAN 466- Latin American Civilization and Culture
SOCI 120 - Globalization and Society
SOCI 320 - Social Structure and Globalization
SOCI 332 - Sociology of Urban Communities
SPAN 322 - Intro to Latin American Culture
SYST 100 - Engineering Sys in a Complex World
THR 359 - World Stages
TOUR 210 - Global Understanding through Travel and
Tourism
WMST 100 - Rep of Women

Synthesis Requirement

Take a synthesis course after completing at least 60 credits

ANTH 400 - Engaging the World:
ARTH 394 - The Museum
AVT 385- EcoArt
AVT 497 - Senior Project
AVT 498 - Senior Design Project
BINF 354 - Foundations in Mathematical Biology
BIOL 301 - Biology and Society (**Not for BIOL major
credit**)
BIS 490 - Senior Project
CEIE 490 - Senior Design Project
COMM 326 - Rhetoric of Social Movements and Political
Controversy
COMM 362 - Argument and Public Policy
COMM 454 - Free Speech and Ethics
CONF 490 - Integration
CONS 490 - Integrated Conservation Strategies
CRIM 495 - Capstone in Criminology, Law and Society
CS 306 - Synthesis of Ethics and Law for the Computing
Professional
DANC 490 - Senior Dance Seminar
ECE 447 - Single-Chip Microcomputers
ECE 492- Senior Adv Design Project I
ECE 493- Senior Adv Design Project II
ECON 309 - Economic Problems and Public Policies
EDCI 490- Students Teaching in Education
ENGL 305 - Dimensions of Writing and Literature
EVPP 335 - People, Plants, and Culture
EVPP 480- Sustainability in Action
FAVS 352 - Ethics of Film and Video
FRLN 385 - Multilingualism, Identity, and Power
GAME 490- Senior Project
GCH 465- Community Health Capstone
GEOL 420 - Earth Science and Policy
GGG 303 - Conservation of Resources Environment
GGG 304 - Populations Dimensions of Global Change
GOVT 490 - Synthesis Seminar
GOVT 491 - Honors Seminar
HAP 465 - Integration of Professional Skills and Issues
HIST 300 - Introduction to Historical Method
HIST 499 - Senior Seminar in History
IT 492 - Senior Design Project I
LAS 499 - Research Seminar in Latin American Studies
MATH 400 - History of Math
MUSI 490 - Musical Communication in Context
NCLC 308 - American Landscapes in Fiction, Film, and
History
NURS 465- Examination of Integration of Professional and
Health care Issues
PHIL 309 - Bioethics
PHIL 343 - Issues in Environmental Ethics
PHIL 377 - Darwin: Biology and Beyond
PHIL 378 - Reason, Science, Faith in the Modern Age
PHIL 379- Perspectives on Time
PHYS 346- Quarks to Strings
PROV 342- The George Mason Debates in Current Affairs
PSYC 405 - Mystery, Madness, and Murder
PSYC 406 - Psychology of Communication
PSYC 427- Community Engagement for Social Change
RELI 490 - Comparative Study of Religions
RUSS 353 - Russian Civilization
SOCI 377 - Art and Society
SOCI 483 - The Sociology of Higher Education
SOCW 323 - Human Behavior and the Life Course
SOM 498- Capstone Course: Advanced Business Models
SPAN 388 - Introduction to Latina/o Studies
SYST 495 - Senior Design Project II
THR 440 - Advanced Studies in Directing/Dramaturgy
THR 496 - Text in Production
UNIV 442- Krasnow Seminar in Cognitive Science