

Contents

I.	Introduction	2
II.	Hints on Course Selection & Degree Requirements	2
III.	Majors Having Course Requirements Outside Their Department	14
IV.	Advanced Placement Information	16
V.	International Baccalaureate Information	19
VI.	Transfer Credit Information.....	21
VII.	Introductory Courses in Arts & Science Departments	22
VIII.	School of Business Administration Information	75
IX.	School of Education Information	77
X.	Special Programs Information	79
XI.	Important Contacts & Phone Numbers.....	83

The College of William and Mary does not discriminate on the basis of race, color, national origin, sex, sexual orientation, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the nondiscrimination policies:

Tammy Currie, Director
Office of Equal Opportunity
Hornsby House
College of William and Mary
Williamsburg, VA 23185
(757) 221-2615

I. Introduction

This guidebook has been prepared to give entering freshmen a focused introduction to first semester course selection. Each department in Arts and Sciences, where all freshman courses are taken, has provided information about its program and suggested introductory courses most appropriate to entering freshmen. When used in conjunction with the online *Fall Semester, 2009, Spreadsheet of Courses* and the *Fall 2009 Freshman Seminar List* <http://web.wm.edu/registrar> this guidebook will allow entering freshmen to select an appropriate set of courses for the Fall 2009 semester.

Information is also provided about degree programs in the Mason School of Business and the School of Education. Students do not, however, enter these programs until the junior year. Please note that grade-point-average restrictions and prerequisite course requirements must be met before entry into these schools. Acceptance to William & Mary does not automatically guarantee acceptance into these programs.

II. Hints on Course Selection

Your first two years of courses will be used to fulfill General Education Requirements (GERs); to meet the College's language and writing proficiency requirements; to complete the freshman seminar requirement; and to explore disciplines with the goal of declaring a major at the end of your second year. While some students enter college with a particular major, career, or profession in mind, many will change their minds several times in the course of their studies. The best approach to course selection is one of flexibility and openness to change. When choosing courses for your first semester, there are a number of useful hints to keep in mind. First, read the following section on "General Education Objectives" to set the framework for pursuing undergraduate study in a liberal arts environment and then consider the following guidelines:

- 1) Complete the Freshman Seminar requirement during the first year.
- 2) Complete the proficiencies and GERs as soon as possible.
- 3) Take a course or courses in subjects that are potential majors.
- 4) Build on strengths by choosing some subjects familiar to you and some that grow out of your reflections on our general education objectives.
- 5) Try some subjects that are new to you.
- 6) Balance your program so that courses do not cluster around a single area.
- 7) Be aware that certain majors have outside course requirements (see Section III).
- 8) Use your Advanced Placement and International Baccalaureate or dual enrollment transfer credits to fulfill GER, proficiency, and major requirements (see Section IV and V).

A typical first-semester load will consist of 4 or 5 academic courses. Most courses are one semester in length and are worth three or four credits. A typical three-credit course will meet for 50 minutes on Monday, Wednesday, and Friday or for 75 minutes on Tuesday and Thursday. Courses worth four credits will have additional meeting times (e.g. science labs, language drills, etc.). Do not undertake too much in your first semester. A semester of adjustment to the greater demands of college work is quite appropriate. A full-time load is 12-18 credits, with a typical first semester freshman load averaging 13-14 credits.

You must average 15 credits per semester in order to attain 120 credits in four years; therefore, if you choose to take a lighter than normal load in your first semester here, you will have to balance that semester with a heavier than normal load later or take summer classes if you wish to graduate in four years. If you have already earned some credit through AP tests, IB tests or college transfer credits, you have the luxury of either being able to carry a lighter load without concern about a later heavier load or you may wish to plan a program of studies that will allow you to graduate in fewer than eight semesters. With all of this information in mind, a typical fall semester schedule might look like this for:

(a) a student reasonably certain of his/her major:

One major class (3 credits)
Two GER classes (6 credits)
A Freshman Seminar (3-4 credits)
Proficiency or elective (3 credits)

(b) a student uncertain of his/her major:

Three GER classes (9 credits)
A Freshman Seminar (3-4 credits)
Proficiency or elective (3 credits)

Either option produces a schedule of 15-16 credits. Remember that this is only a *typical* schedule. If you are not exempt from the foreign language proficiency requirement, then you should substitute one of the classes shown above. If you are a potential science major, you may wish to take both science and mathematics. Not everyone will be able to take a freshman seminar in the first semester, so approximately 40% of your class will have to substitute some other class in that slot and take a seminar during the spring semester.

Remember that you will be working closely with your assigned academic advisor during your freshman year to develop a plan for your future years here that begins to meet our degree requirements in a way that complements your academic objectives. Please recognize that you may be competing with your classmates and upperclass students for some courses with limited enrollment. An open mind and flexibility on your part are important. ***Your program of studies at William & Mary will not hinge on one or two courses taken during your first semester.***

General Education Objectives

According to its *Statement of Purpose*, The College of William & Mary is an institution of “liberal education.” Presented below is an articulation of the purposes of a “liberal education.”

Individual Autonomy: To prepare for life as an individual capable of making open-minded, reasoned, and informed choices of one’s values, goals, and career. In support of this ideal, liberal education broadens one’s perspective, making possible the evaluation of personal beliefs and values in the light of alternative points of view.

Social Responsibility: To acquire a sensitivity to the consequences of one's life and conduct for other people and for our natural and social environments.

Personal Fulfillment: To prepare for a fulfilling life, one rich in the satisfactions derived from art, music, literature, science, and the other achievements of cultures throughout the world. A liberally educated person experiences the joy of learning and discovery in all the facets of life.

Cultural Literacy: To gain the background knowledge and other skills necessary for understanding written and oral communication from a wide range of sources at home and abroad, particularly those that are recognized as constituting the mainstream of our political, cultural, business, and artistic worlds. Similarly, to acquire the knowledge and skills necessary for communication to such audiences.

Political Autonomy: To prepare for responsible citizenship in a democracy that plays an important role in world affairs. This requires understanding the issues to be decided by the political process and an ability to make informed and rational choices among alternative policies, either directly or by election of representatives committed to those goals. Ideally, many individuals will have the desire and the ability to participate personally in governance at some level, which would require the aforementioned skills to a high degree along with the ability to communicate one's views effectively and persuasively to others.

Life and Career Enhancement: To acquire the broad-based, nonprofessional, higher-order skills that enable an individual to flourish in a wide range of domestic and/or international careers or other endeavors.

Requirements for an Undergraduate Degree

Students must fulfill the general degree requirements set forth in the catalog at the date of entrance to the College and the major requirements in effect when the major is declared. General degree requirements include the Freshman Seminar Requirement, Proficiency Requirements, and the General Education Requirements.

Freshman Seminar

Each entering undergraduate student is required to pass one Freshman Seminar. The only students who are exempt from this requirement are transfer students who enter the College with at least 24 semester credits *earned after graduation from high school* which have been accepted at The College of William & Mary. College credits earned through Advanced Placement or other placement tests will not be counted towards the 24 semester credits required for this exemption. The Freshman Seminar requirement should be completed during the first year. **A student may not declare a major until this requirement is completed.**

In the *Catalog and Registration Schedule*, Freshman Seminars usually are numbered 150, 151, or 152 and are offered in most departments and programs. Freshman Seminars designated with a "W" and other lower-division courses designated with a "W" may be used to satisfy the writing requirement when the student earns a C or better. (See Writing requirement details under the Proficiencies section that follows.)

Proficiencies

1. Foreign Language. Students are required to demonstrate proficiency in a foreign language commensurate with the 202 level at William and Mary. Completion of the foreign language requirement is accomplished in several ways:

- a) completion of Level IV in High School of an ancient or modern foreign language;
- b) a score of at least 600 on the College Board SAT II achievement test in a modern foreign language or 650 on the test in Latin;
- c) completion of a college language course at or above the 202 level
- d) AP or IB credit for the 202 or higher level in any foreign language

N.B. Students who would like to demonstrate proficiency at the 202 level in a modern foreign language not taught at William and Mary may petition to the Chair of Modern Languages (petition form available from the secretary of Modern Languages). Among the ancient languages in which students may demonstrate proficiency at William and Mary are Latin, Greek and Hebrew. Students may petition to the Chair of Classical Studies to demonstrate proficiency in other ancient languages.

Placement

A. Placement in modern languages is determined by prior study of the language in high school.

1. If you have completed Level I, enroll in *101 or **102.
2. If you have completed Level II, enroll in 201.
3. If you have completed Level III, enroll in either 201 or 202.
4. If you have completed Level IV, enrollment above 202 is required
5. If you have completed Level V, enroll in courses above 202 (e.g., French 151 or 210; German 205 or 208; Hispanic Studies 151 or 207, etc.).

*All 101 courses in Modern Languages are offered only in fall semester.

**All 102 courses in Modern Languages are offered only in spring semester.

N.B. Students who have completed Level III in a modern foreign language in high school may not receive credit for 101-102 in college, and students who have completed Level V in a modern foreign language in high school may not receive credit for 201-202 in college. Exceptions may only be made with the prior written approval of the language section coordinator and the chair or associate chair of Modern Languages. Questions about placement should be addressed to the appropriate language section coordinator.

B. If you are concerned that your circumstances warrant a different placement, please contact the coordinator of the appropriate language section. There is no exam offered for placement purposes except in Latin (see below).

C. Please refer to Section IV for information regarding how Advanced Placement Examinations can exempt a student from the foreign language proficiency requirement.

D. Students who seek to declare a major in their native language or continue in their native language should contact the appropriate language section coordinator for placement assistance.

Classical Languages (Greek, Hebrew, and Latin):

Greek and Hebrew

Students who wish to take a placement examination in Classical Greek or Biblical Hebrew should contact the Department of Classical Studies to make individual arrangements for testing.

Latin

A student who wishes to continue in Latin at the college of William and Mary will be placed into the appropriate level according to one of the following standardized examinations:

- SAT II Subject test in Latin
- AP-Vergil
- AP-Latin Literature (Catullus-Horace; Catullus-Ovid; **or** Catullus-Cicero (only **one** AP-Latin Literature exam can count for credit at William and Mary)
- or the Classical Studies placement examination which is offered at the beginning of each semester (fall and spring) and can be taken once at any point in a student's undergraduate career.

The Department of Classical Studies does not allow self-placement under any circumstances. Students must take one of the exams specified above to be placed into a Latin course.

Placement by Score on our Latin Placement Test or the SAT II Achievement Test in Latin

- **650 or above:** 300 level Latin or above
- **450-640:** Latin 201
- **below 450:** Latin 101

Placement by Latin AP Exam

- **Score of 5:** 300 level Latin or above
- **Score of 4:** Latin 201

How credit hours are awarded towards matriculation

- If a student tests into Latin 201 or 202, he/she will not receive course credit (credit hours) for LAT 101 and 102
- A student who has successfully completed one standardized exam administered by the College Board (see above) can receive 3 credit hours (towards matriculation) as follows:
 1. A score of **5** on the AP exam (Vergil or Latin Literature) earns 3 credit hours for LAT 202 only
 2. A score of **650** on the SAT II Achievement Test in Latin earns 3 credit hours for LAT 202 only
- A student who has successfully completed **TWO** standardized exams administered by the College Board can earn up to 6 credit hours for LAT 201 and 202 in either of the following ways:
 1. Scores of 5 on both the AP exams (Vergil + Latin Literature)
 2. A score of 5 on either AP exam together with a score of 650 on the SAT II Achievement Test in Latin

If you have taken a standardized exam, do not take the Departments’s placement exam. If you have not taken a standardized exam and you wish to continue with Latin, you must take the Department’s placement exam.

Students with documented learning disabilities, aural/oral impairments or other disabilities which make the study of a foreign language impossible or unreasonably difficult should meet with the Assistant Dean of Students (Campus Center, room 106, 757/221-2510) for disability verification and the Dean of Undergraduate Studies (Ewell Hall, room 124, 757/221-2466) for individualized modifications to the foreign language requirement.

2. Writing - All entering students must fulfill the lower-division writing requirement during their first or second semester at the college by completing, with a grade of C or better, either Writing 101 or a “W” designated freshman seminar or a lower-division course designated “W.” Students should note that this requirement must be fulfilled prior to the junior year. The only exemptions to this requirement are through AP, IB, or transfer credit.

3. Digital Information Literacy Proficiency – The purpose of the Digital Information Literacy (DIL) proficiency is to ensure that all students, upon matriculation at the College, have a common baseline understanding of digital information, how it is processed, and how to use it judiciously. To assess that baseline understanding, all incoming freshmen, as well as newly admitted transfer students with fewer than 39 credits, must take and pass with a grade of C or better the DIL exam. The exam consists of questions dealing with how computers process digital information; communicating using computers; security and privacy issues; analyzing research needs; finding information electronically; evaluating the information found; and information ethics. Those students failing to take and/or pass the exam by the end of the sixth week of classes after matriculation must enroll in and pass with a C or better INTR 160, Digital Information Literacy.

General Education Requirements (GERs)

The General Education Requirements (GERs) consist of coursework across seven different knowledge areas of the arts and sciences curriculum. These requirements, complemented by the proficiency and major requirements, encourage you to study a variety of disciplines and form the heart of a liberal arts education at William & Mary.

While you should be sensitive to these requirements, don’t be overwhelmed by them now. You will have plenty of time and several required meetings with your academic advisor in which to come to a full understanding of these requirements.

Only courses approved for GER credit may be used to fulfill these requirements as indicated in the *Catalog* and *Registration Schedule*. (Lists of approved courses may also be found in the Office of Academic Advising, the Dean of Undergraduate Studies Office and on William and Mary’s on-line information system.) These requirements (except GER 6) must be met with three or four credit

courses. A single course may fulfill, at most, two GERs (if so approved) and may also be used to fulfill major, minor, and proficiency requirements. These courses may not be taken pass/fail.

GER 1: Mathematics and Quantitative Reasoning: one course

GER 2: Natural Sciences: two courses

A. One course in Physical Sciences

B. One course in Biological Sciences

One Laboratory associated with one of the courses above

GER 3: Social Sciences: two courses

GER 4: World Cultures and History: three courses

A. History and Culture in the European Tradition

B. History and Culture outside the European Tradition

C. A course in Cross-Cultural Issues, or a second A or a second B

GER 5: Literature and History of Arts: one course

GER 6: Creative and Performing Arts: two credits in a creative/performing art. In music, both credits must be from participation in the same ensemble, or on an instrument or in voice in the same style (one credit in jazz piano and one in classical piano, for example, do not fulfill the requirement).

GER 7: Philosophical, Religious, and Social Thought: one course

LIST OF GER COURSES

GER 1: MATHEMATICS/QUANTITATIVE REASONING

CSCI 146 Reasoning Under Uncertainty
 ECON 307 Principles and Methods of Statistics
 KINE 394 Statistics and Evaluation
 MATH 104 Mathematics of Powered Flight
 MATH 106 Elementary Probability & Statistics
 MATH 108 Brief Calculus with Applications
 MATH 111 Calculus I
 MATH 112 Calculus II
 MATH 131 Calculus I for Life Sciences
 MATH 132 Calculus II for Life Sciences
 PSYC 301 Elementary Statistics
 SOCL 353 Social Research II: Statistical Analysis

GER 2: NATURAL SCIENCES

GER 2A: Physical Sciences

CHEM 101 Survey of Chemical Principles
 CHEM 103 General Chemistry I
 CHEM 101L Chemical Principles Laboratory (Lab)
 CHEM 103L Chemistry Laboratory I (Lab)
 GEOL 101 The Dynamic Earth: Physical Geology
 GEOL 110 Earth's Environmental Systems: Physical Geography
 GEOL 160 Introductory Geology Laboratory
 PHYS 102 General Physics (includes Lab)
 PHYS 105 Great Ideas in Physics

PHYS 108 Physics for the Life Sciences (includes Lab)
 PHYS 109 Practical Physics
 PHYS 110 Experimental Practical Physics (Lab)
 PHYS 121 The Physics of Music
 PHYS 175 Physics & Cosmology
 PHYS 176 Introductory Astronomy
 PHYS 177 Astronomy Laboratory

GER 2B: Biological Sciences

ANTH 203 Introduction to Biological Anthropology
 BIOL 105 Plants, People and Agriculture
 BIOL 108 Introduction to Ecology and Environmental Science
 BIOL 109 Introduction to Ecology and Environmental Science Laboratory
 BIOL 110 Insects and Society
 BIOL 111 Insect Biology Laboratory
 BIOL 112 Medicine and the Mind
 BIOL 203 Principles of Biology: Molecules, Cells, Development for majors (with lab)
 BIOL 204 Principles of Biology: Organisms, Ecology, Evolution for majors (with lab)
 BIOL 214 Principles of Biology
 KINE 200 Introduction to the Human Body
 KINE 304 Human Physiology
 KINE 305 Human Physiology Lab
 KINE 350 Science of Nutrition
 PSYC 201 Introduction to Psychology as a Natural Science

PSYC 313 Physiological Psychology

GER 3: SOCIAL SCIENCES

ANTH 204 Study of Language (cross-listed as ENGL 220)
ANTH 307 Social Anthropology
ANTH 309 Medicine & Culture (also GER4C)
ANTH 315 Environmental Archaeology
ANTH 335 Peoples & Cultures of Africa (also GER 4B)
ANTH 342 Peoples & Cultures of East Asia (also GER 4B)
ANTH 347 Japanese Society (also GER 4B)
ANTH 411 Historical Linguistics (cross-listed as ENGL 404)
ANTH 412 Descriptive Linguistics (cross-listed as ENGL 405)
ANTH 413 Language and Society (cross-listed as ENGL 406)
ANTH 415 Linguistic Anthropology (cross-listed as ENGL 415)
BUAD 442 Psychology of Decision Making (cross-listed as PSYC 375)
ECON 101 Principles of Microeconomics
ECON 102 Principles of Macroeconomics
ECON 151 Microeconomic Topics
ECON 152 Macroeconomic Topics
ENGL 220 Study of Language (cross-listed as ANTH 204)
ENGL 304 Generative Syntax
ENGL 307 Intermediate Phonology and Morphology
ENGL 404 Historical Linguistics (cross-listed as ANTH 411)
ENGL 405 Descriptive Linguistics (cross-listed as ANTH 412)
ENGL 406 Language & Society (cross-listed as ANTH 413)
ENGL 415 Linguistic Anthropology (cross-listed as ANTH 415)
GOVT 203 Introduction to Comparative Politics
GOVT 204 Introduction to International Politics
KINE 340 Motor Development
KINE 400 Sport Psychology
PSYC 202 Introduction to Psychology as a Social Science
PSYC 310 Developmental Psychology
PSYC 316 Psychology of Organizational Behavior
PSYC 318 Abnormal Psychology
PSYC 373 Sexuality
PSYC 375 Psychology of Decision Making (cross-listed as BUAD 442)
PSYC 376 Health Psychology
SOCL 203 American Society
SOCL 204 Social Problems
SOCL 250 Principles of Sociology
SOCL 301 Society and the Individual

GER 4: WORLD HISTORY

GER 4A: History/Culture in the European Tradition

AFST 306 African American History to Emancipation (Cross-listed with HIST 235)
AFST 306 African American History since Emancipation (Cross-listed with HIST 236)
AMST 201 American Popular Culture and Modern America

AMST 203 Introduction to American Studies: American Medicine: A Social and Cultural History
AMST 271 American Popular Music (cross-listed as MUSC 271)
AMST 273 Jazz (cross-listed as MUSC 273) (also GER 5)
ARTH 251 Survey of Art History I (also GER 5)
ARTH 252 Survey of Art History II (also GER 5)
CLCV 207 Greek Civilization (also GER 5)
CLCV 208 Roman Civilization (also GER 5)
CLCV 217 Greek Archaeology and Art (also GER 5)
CLCV 218 Roman Archaeology and Art (also GER 5)
CLCV 311 Ancient History (Greece) (cross-listed as HIST 365)
CLCV 312 Ancient History (Rome) (cross-listed as HIST 366)
CLCV 315 Women in Antiquity (cross-listed as WMST 315)
CLCV 331 Greek Philosophy (cross-listed as PHIL 331)
ECON 341 American Economic History
ECON 342 Global Economic History
ENGL 400 Meaning and Understanding in Western Cultural Thought
ENST 302 Philosophical History of American Environmentalism (also GER 7)
FREN 310 French Cinema
FREN 314 Introduction to French Cultural Studies (also GER 5)
FREN 315 Introduction to French Literature (also GER 5)
GRMN 207 Introduction to German Cultural Studies (also GER 5)
HIST 111 History of Europe, Ancient World to 1715
HIST 112 History of Europe, 1715 to present
HIST 121 American History to 1877
HIST 122 American History since 1877
HIST 221 United States Women's History, 1600-1879 (cross-listed as WMST 221)
HIST 222 United States Women's History, 1879-Present (cross-listed as WMST 222)
HIST 224 Southern Cultures: Field Holler to NASCAR
HIST 226 The American West since 1890
HIST 235 African American History to Emancipation (Cross-listed with AFST 306)
HIST 236 African American History since Emancipation (Cross-listed with AFST 306)
HIST 241 European History, 1815-1914
HIST 242 European History, 1915-1945
HIST 243 Europe since 1945
HIST 365 Ancient History (Greece) (cross-listed as CLCV 311)
HIST 366 Ancient History (Rome) (cross-listed as CLCV 312)
ITAL 302 Masterpieces of Italian Literature Since the 17th Century (also GER 5)
ITAL 307 Italian Civilization in English
ITAL 315 Modern and Contemporary Italian Culture and Society (also GER 5)
MUSC 213 History of Western Music (also GER 5)
MUSC 271 American Popular Music (cross-listed as AMST 271) (also GER 5)
MUSC 273 Jazz (cross-listed as AMST 273) (also GER 5)

- PHIL 230 Philosophic History of Universal Rights
PHIL 321 Existentialism
PHIL 322 American Philosophy
PHIL 331 Greek Philosophy (cross-listed as CLCV 331)
PHIL 332 Medieval Philosophy
PHIL 352 17th and 18th Century Philosophy
PHIL 353 Kant and His Successors
RELG 204 Christian Origins (also GER 5)
RELG 210 Introduction to the History of Christianity
RELG 211 Introduction to Jewish Thought (also GER 5)
RELG 332 Religion and Society in the Medieval West
RELG 335 Modern Religious Thought: The Enlightenment to the Present (also GER 7)
RELG 340 Roman Catholicism since 1800 (also GER 7)
RELG 345 Religion in American Life and Thought to 1840
RELG 346 Religion in American Life and Thought, 1840 to Present
RUSN 250 Russian Myths and Legends (also GER 5)
RUSN 320 Russian Cultural History (also GER 5)
WMST 221 United States Women's History, 1600 – 1879 (cross-listed as HIST 221)
WMST 222 United States Women's History, 1879 – Present (cross-listed as HIST 222)
WMST 315 Women in Antiquity (cross-listed as CLCV 315)
- GER 4B: History/Culture outside the European Tradition**
ANTH 201 Introduction to Archaeology
ANTH 241 Worlds of Music (cross-listed with MUSC 241)
ANTH 319 Archaeology of the Near East
ANTH 320 Rise and Fall of Civilizations
ANTH 323 Indians of North America
ANTH 324 Indians of the Southwest
ANTH 330 Caribbean Cultures
ANTH 335 Peoples and Cultures of Africa (also GER 3)
ANTH 336 African Cultural Economies
ANTH 337 African Ritual and Religious Practice
ANTH 338 Native Cultures of Latin America
ANTH 342 Peoples & Cultures of East Asia (also GER 3)
ANTH 347 Japanese Society (also GER 3)
ANTH 349 Contemporary Issues in Japanese Society
ANTH 362 Knowledge, Learning and Cognition in “Non-Western” Societies
ARAB 309 Survey of Arabic Literature in Translation
ARAB 310 Topics in Modern Arabic Literature in Translation
ARTH 392 Art of India
ARTH 393 Art of China
ARTH 394 Art of Japan
CHIN 280 East Asian Culture through Film (cross-listed as JAPN 280)
CHIN 309 History of Chinese Literature (also GER 5)
CHIN 316 Women in Chinese Culture and Literature (in translation) (cross-listed as WMST 314) (also GER 5)
CHIN 322 20th Century Chinese Literature in English (also GER 5)
FREN 385 Francophone African Literature I (in French)
GOVT 336 Governments and Politics of China & Japan
GOVT 337 Politics in Africa
GOVT 338 Latin American Politics and Government
- GOVT 339 Middle Eastern Political Systems
HIST 131 Survey of Latin American History (to 1824)
HIST 132 Survey of Latin American History (post 1824)
HIST 141 Survey of East Asian Civilization (pre-1600)
HIST 142 Survey of East Asian Civilization (1600-present)
HIST 161 History of South Asia
HIST 171 The Modern Middle East (1500-1800)
HIST 172 The Modern Middle East (post 1800)
HIST 181 African History (to 1800)
HIST 182 African History (since 1800)
HIST 191 Global History to 1500
HIST 237 American Indian History : Pre-Columbian and Colonial Period to 1763
HIST 238 American Indian History since 1763
HIST 265 Postwar Japan
HIST 270 Nation, Gender, and Race in South Asia (cross-listed as WMST 290)
HIST 280 West Africa since 1800
JAPN 280 East Asian Culture through Film (cross-listed as CHIN 280)
MUSC 241 Worlds of Music (cross-listed as ANTH 241)
MUSC 372 Music Cultures of the Middle East (offered occasionally)
PHIL 324 Classical Chinese Philosophy
RELG 203 History and Religion of Ancient Israel (also GER 5)
RELG 212 Introduction to Islam
RELG 213 Introduction to Hinduism
RELG 214 Introduction to Buddhism
RELG 215 History of Religion in East Asia
RELG 317 Women in Islam (cross-listed as WMST 317)
RELG 318 Islam in the Modern World
SOCL 151W Gender in Nonwestern Cultures (cross-listed as WMST 151W)
SOCL 312 Comparative Sociology (cross-listed as WMST 312)
SOCL 313 Globalization and International Development
SOCL 430 Comparative Studies in Gender and Work (cross-listed as WMST 430)
WMST 151W Gender in Nonwestern Cultures (cross-listed as SOCL 151W)
WMST 290 Nation, Gender and Race in South Asia (cross-listed as History 270)
WMST 312 Comparative Sociology (cross-listed as SOCL 312)
WMST 314 Women in Chinese Culture and Literature (in translation) (cross-listed as CHIN 316) (also GER 5)
WMST 317 Women in Islam (cross-listed as RELG 317)
WMST 430 Comparative Studies in Gender and Work (cross-listed as SOCL 430)
- GER 4C: Cross-Cultural Issues**
AMST 341 Artists & Cultures (cross-listed as ANTH 364)
ANTH 202 Introduction to Cultural Anthropology
ANTH 305 Comparative Colonial Systems
ANTH 309 Medicine and Culture (also GER 3)
ANTH 312 Comparative Colonial Archaeology
ANTH 325 Sun Dance Peoples
ANTH 363 Culture and Cuisine: The Anthropology of Food

- ANTH 364 Artists and Cultures (cross-listed as AMST 341)
ANTH 370 Evolutionary Perspectives on Gender
ARTH 330 Art and Architecture of Colonial Latin America
ARTH 395 Visual Culture of Colonial Mexico
BLST 205 Introduction to Black Studies (also GER 5)
ECON 382 The Centrally Planned Economy in Transition
FREN 212 Cross-Cultural Perspectives: France and the Francophone World
HIST 183 Introduction to the African Diaspora
HIST 192 Global History, 1500 to the Present
HIST 223 Pacific War
HIST 230 History of Modern South Africa
HIST 231 The Global Color Line: The American Civil Rights Movement and South African Anti-Apartheid Politics in the Twentieth Century
HIST 239 History of Pan-Africanism: History of a Revolutionary Idea
HIST 240 The Crusades
HIST 451 African Religions in the Diaspora
HIST 452 Free and Enslaved Blacks in the Old South
HISP 207 Cross Cultural Perspectives: U.S. & Spanish Speaking World
MUSC 150W World Music and World Religion
MUSC 367 Swedish Folk Music and Dance
RELG 201 Introduction to Religion
RELG 361 Modern Hinduism
THEA 332 Sex, Race, Plays and Film
WMST 205 Introduction to Women's Studies
- GER 5: LITERATURE AND HISTORY OF THE ARTS**
- AMST 202 Intro. to American Studies: Cinema & the Modernization of U.S. Culture 1914-1945
AMST 240 History of Modern Dance (cross-listed as DANC 220)
AMST 241 History of American Vernacular Dance (cross-listed as DANC 230)
AMST 273 Jazz (cross-listed as MUSC 273) (also GER 4A)
AMST 343 American Ethnic Literature and Culture
AMST 350 Preserving American Arts and Letters
ANTH 348 Japanese Values through Film & Literature (also GER 7)
ARTH 251 Survey of History of Art I (also GER 4A)
ARTH 252 Survey of History of Art II (also GER 4A)
BLST 205 Introduction to Black Studies (also GER 4C)
CHIN 309 Survey of Chinese Literature (also GER4B)
CHIN 316 Women in Chinese Culture and Literature (in translation) (also GER 4B)
CHIN 322 20th Century Chinese Literature in English (also GER 4B)
CLCV 205 Greek and Roman Mythology
CLCV 207 Greek Civilization (also GER 4A)
CLCV 208 Roman Civilization (also GER 4A)
CLCV 217 Greek Archaeology and Art (also GER 4A)
CLCV 218 Roman Archaeology and Art (also GER 4A)
CLCV 318 Ancient Laughter
CLCV 316 Voyage of the Hero – The Classical Epic
CLCV 317 Sacred Violence in Greek and Roman Tragedy
DANC 220 History of Modern Dance (cross-listed as AMST 240)
DANC 230 History of American Vernacular Dance (cross-listed as AMST 241)
ENGL 203 British Literature I
ENGL 204 British Literature II
ENGL 205 An Introduction to Shakespeare
ENGL 207 American Literature: Themes and Issues
ENGL 209 Critical Approaches to Literature
ENGL 210 Made into Movies
ENGL 210 Scottish Literature
ENGL 210 Victorian Supernatural
ENGL 465 The Gothic
FILM 150 Introduction to Film Studies
FILM 250 Introduction to Film Studies
FILM 251 World Cinema Before TV (1895-1955)
FREN 210 Reading and Writing in French
FREN 314 Introduction to French Cultural Studies (also GER 4A)
FREN 315 Introduction to French Literature (also GER 4A)
GREK 202 The Literature of Greece: Prose and Poetry
GRMN 207 Introduction to German Cultural Studies (also GER 4A)
HRBW 202 Intermediary Biblical Hebrew - Poetry
HISP 208 Fundamentals of Literary Criticism
HISP 384 Landscapes of Spain: Real Places, Imagined Spaces
ITAL 302 Masterpieces of Italian Literature Since the 17th Century (also GER 4A)
ITAL 312 Italian Renaissance Literature in Translation
ITAL 314 Modern Theatre: Self, Sex and Anarchy
ITAL 315 Modern and Contemporary Italian Culture and Society (also GER 4A)
ITAL 316 20th Century Italian Women Writers (in translation)
JAPN 309 Classical Japanese Literature in Translation
JAPN 310 Modern & Contemporary Japanese Literature in Translation
JAPN 311 Japanese Cinema (in English)
LATN 202 Introduction to Latin Poetry
LCST 201 Introduction to Literary and Cultural Studies
LCST 351 Popular History in British Museums, Monuments, Media and Public Memory
MUSC 213 History of Western Music (also GER 4A)
MUSIC 271 American Popular Music (cross-listed as AMST 271) (also GER 4A)
MUSC 273 Jazz (cross-listed as AMST 273) (also GER 4A)
MUSC 373 Music in the United States
MUSC 381 Medieval and Renaissance Music
MUSC 383 The Baroque and Classic Period
MUSC 385 The Romantic Period
MUSC 387 Music of the 20th Century
RELG 203 History & Religion of Ancient Israel (also GER4B)
RELG 204 Christian Origins (also GER 4A)
RELG 206 Reading the Bible in Hebrew II
RELG 211 Introduction to Jewish Thought (also GER 4A)
RELG 302 Torah
RELG 358 Jesus and the Gospels

RUSN 250 Russian Myths and Legends (also GER 4A)
RUSN 320 Russian Cultural History (also GER 4A)
RUSN 380 Russian Cinema: ‘The Most Import Art’
RUSN 387 Russian Literature Survey (19th century) (in English)
RUSN 388 Russian Literature Survey (20th century) (in English)
RUSN 390 Russian Literature Since the Death of Stalin (in English)
RUSN 396 Chekhov (in English)
RUSN 397 Dostoevsky (in English)
RUSN 398 Tolstoy (in English)
THEA 150/150W Freshman Seminar: Plays in Context
THEA 308 History of Costume and Fashion
THEA 328 Survey of Theatre History (500 BC to 1750)
THEA 329 Theatre History (1750 to present)
WMST 314 Women in Chinese Culture and Literature (cross-listed as CHIN 316) (also GER 4B)
WMST 316 20th Century Italian Women Writers (cross-listed as ITAL 316)

GER 6: CREATIVE AND PERFORMING ARTS

ART 211 Two Dimensional Foundations
ART 212 Three Dimensional Foundations
DANC 111 Modern I
DANC 211 or 212 Modern II
DANC 261 or 262 Intermediate Ballet
DANC 264 Intermediate Jazz
DANC 333 Introduction to Classical Asian Performance (crosslisted with THEA 333)
ENGL 212 Introduction to Creative Writing
ENGL 368 Creative Writing Fiction
ENGL 369 Creative Writing Poetry
FILM 306 Video Production
Music ensembles and private performance music lessons - All music ensembles and all lessons, both group and private, except M10, M20, M30, M40 (Musicianship), count for GER 6
KINE 185 Ballroom Dance I
KINE 186 Ballroom Dance II
MUSC 207 Composition
MUSC 221 Conducting I
MUSC 281 Electroacoustic Music
SPCH 201 Public Speaking
THEA 152 Introduction to Theatre
THEA 200 Introduction to Theatre
THEA 206 Makeup
THEA 211 Introduction to Stage Combat
THEA 301 Beginning Acting
THEA 303 Scene Painting

THEA 313 Introduction to Stage Lighting
THEA 317 Playwriting
THEA 333 Introduction to Classical Asian Performance (crosslisted with DANC 333)

GER 7: PHILOSOPHY/RELIGIOUS/SOCIAL THOUGHT

ANTH 348 Japanese Values through Literature & Films (also GER5)
ENST 302 Philosophical History of American Environmentalism (also GER 4A)
ENST 303 Issues in Environmental Ethics
GOVT 303 Survey of Political Philosophy (Classical Tradition)
GOVT 304 Survey of Political Philosophy
GOVT 305 Contemporary Political Philosophy
GRMN 307 The German Speaking Peoples and Their Civilizations
GRMN 312 Modern German Critical Thought I (taught in English) (Spring)
GRMN 313 Modern German Critical Thought II (taught in English)
INTR 150W Freshman Seminar: Perspectives on Citizenship and Community
INTR 150W Thinking
KINE 393 Health Ethics
KINE 493 Philosophy of Kinesiology
PHIL 150W Freshman Seminar
PHIL 201 Introduction to Philosophy
PHIL 210 Introduction to Critical Thinking
PHIL 215 Contemporary Moral Issues
PHIL 303 Ethics
PHIL 304 Aesthetics
PHIL 305 Social and Political Philosophy
PHIL 310 Philosophy of Law
PHIL 320 Philosophy of Feminism
RELG 221 Religion and Ethics
RELG 309 The Holocaust
RELG 321 Ecology and Ethics
RELG 322 Medicine and Ethics
RELG 323 Warfare and Ethics
RELG 335 Modern Religious Thought: The Enlightenment to the Present (also GER 4A)
RELG 338 Death
RELG 340 Roman Catholicism Since 1800 (also GER 4A)
THEA 331 Feminist Theory and Contemporary Theatre (cross-listed as WMST 331)
WMST 331 Feminist Theory and Contemporary Theatre (cross-listed as THEA 331)
WMST 405 Feminist Theory

GER 6 EXEMPTIONS

The only GER for which a student may receive an exemption is GER 6. **All exemptions for GER 6 must be attempted and completed within a student’s first two years in residence at the College.**

The Registrar’s Office will serve as the central coordinating office for the certification of GER 6 exemptions. The Office will forward results of this survey and other appropriate information to

departments to help them plan audition schedules, portfolio reviews, etc. Students should submit materials other than their transcript directly to departments as described below. Departments will send a list of the students exempted from the requirement to the Registrar's Office.

Art

A) A portfolio of original art works must be submitted during the first two weeks of the semester in either the Fall or Spring semester. Portfolios should be sent or delivered in person to the Department of Art & Art History and they must be received by the scheduled deadline. The portfolio should be identified for "GER 6 Portfolio Review." A minimum of twenty examples of original works of art must be submitted in the form of colored slides or colored photographs. The actual work should not be submitted. Each slide or photograph must be individually labeled with the student's name, medium, size of the work (height x width x depth for 3D work, length x width for 2D work), date of the work, and arrow indicating top of the slide or photograph. All slides and photographs must be submitted in protective plastic slides or photo sheets, which are available at local photography stores.

For 3D portfolios, students should include examples of work which demonstrate ability to work with the following: additive and subtractive processes in media such as plaster or clay; assemblage methods utilizing traditional sculpture materials as well as found objects; and techniques and materials which explore space and volume relationships. For 2D portfolios, students should include examples of work in color, value, line, and perspective. The Department will accept photography as a creative art for exemption purposes. Art faculty will review each portfolio and the results of the review will be attached to the portfolio. Exemption from GER 6 DOES NOT equal exemption from ART 211 or ART 212. For students who have been exempted from GER 6, the faculty will recommend placement in the appropriate art course. Students must pick up their portfolios during the first week of classes. The Department is not responsible for portfolios left after the deadline.

B) A student can exempt from the GER 6 requirement if he/she has successfully completed 2 years of art and/or has participated in an accredited competition resulting in a professional juried exhibition. Students should submit an exemption request to the Registrar's Office (on a request form available on the Registrar's website) by the end of the second full week of classes. If appropriate, they should submit evidence and results of the competition directly to the Department by the end of the second full week of classes.

Dance

A) The Dance Placement Evaluation will be used to determine GER 6 exemption in Dance. It will be administered during Orientation Week in Fall semester to incoming students with previous dance experience. As a result of the Placement Evaluation, students will either be placed in a 100 or 200 level course, which they can then take to satisfy the GER 6 requirement, or they will be placed in a 300 or 400 level course having earned the GER 6 exemption.

B) There are no exemptions based on documentation of previous experience.

English (Creative Writing)

A) There is no portfolio review or exemption test.

B) The English Department will evaluate documentation of prior experience in 2 years of academic courses in creative writing or by a juried publication of creative writing (a publication that has an editor with professional standing in creative writing—not a vanity publication). Students should submit an exemption request to the Registrar's Office, on a request form available on the Registrar's website, by the end of the second full week of classes. They should submit their publication(s) directly to the English Department by the end of the second full week of classes.

Music

The Department of Music no longer grants exemptions for the GER 6 requirement.

Speech

A) Students wishing to demonstrate mastery of speaking principles sufficient to meet GER 6 should arrange with Speech faculty in the Department of Theatre, Speech, and Dance to sign up for a GER 6 exemption audition during Freshman Orientation. Students will give a ten minute extemporaneous persuasive speech on a contemporary issue. This needs to be original work utilizing sources dated within three months of the presentation. The Speech Communication Association's "The Competent Speaker" standards will be utilized as criteria for evaluation. A student may contact the Department at 757-221-2660 for more information.

B) A student can exempt from the GER 6 requirement in Debate/Forensics if he/she has competed in a district national qualifying NFL tournament in two separate years or two CFL national qualifying tournaments in two separate years. Students should submit to the Department evidence of competition, such as copies of certificates of merit, official tabulations, or official notification of qualification from NFL or CFL authorities.

Theatre

A) The Department of Theatre, Speech, and Dance will arrange for a time during Freshman Orientation for an exemption audition. The Department requires a memorized four to five minute audition of two contrasting pieces from plays demonstrating a valid interpretation of the character in the context of the play, believable characterizations, the ability to evoke appropriate emotional responses, and control of movement, vocal production, and the mechanics of performance. Students who wish to exempt from the GER 6 requirement using scenic, costume, or lighting design may arrange to present portfolios of their work to the Department during orientation. Students may also submit copies of plays that they have written to the Department. A student may contact the Department at 757-221-2660 for more information.

B) There are no exemptions based on documentation of previous experience.

Tips for William & Mary Student Athletes

Students who expect to participate in varsity athletics and are unsure of their practice times should contact Academic Support Services at (757) 221-3241. While daily practice times are generally scheduled for a two-hour block between the hours of 3:00-6:00 p.m., there may be exceptions relevant to your particular sport.

III. Majors Having Course Requirements Outside Their Department

The following list is designed to call attention to the fact that many disciplines rely on significant background information from other disciplines. These outside courses are as important in the development of a major as are courses within the major, and should be part of academic planning during your freshman and sophomore years at William & Mary.

American Studies:

Required: 6 credits in American History, 9 credits in Humanities and 6 credits in Social Science disciplines. Contact Undergraduate Director for more information.

Anthropology:

Recommended: Continue foreign language beyond the College Proficiency.

Biology:

Required: Chemistry 307/353, 308/354 (plus prerequisites 103/103L and 206/206L)

Recommended: Mathematics 111, 112; Physics 101, 102 or 107, 108

Business Majors:

Required (students must complete five pre-requisite courses before entering the Business School):

Microeconomics (ECON 101 or ECON 151)

Macroeconomics (ECON 102 or ECON 152)

Introductory Calculus (MATH 108, MATH 111, MATH 112, MATH 131 or MATH 132)

Introductory Statistics (BUAD 231, MATH 106, ECON 307, PSYC 301, SOCL 353, MATH 351 or KINE 394)

Principles of Accounting (BUAD 203)

Chemistry:

Required (prerequisites for Chem 301, 302): Mathematics 111, 112, 212 (can be corequisite with 301; Physics 101, 102)

Recommended: Mathematics 211; Computer Science 141

Classical Studies:

Recommended: Up to two courses from the following list: Anthropology 225, 301, 319, 320; Art History 35; English 220, 311, 404; Government 303; History 355; Philosophy 332; Religious Studies 203, 204, 357, 358.

Computer Science:

The department requires that majors document proficiency in the subject matter of Math 111, 112, and 211. This is normally accomplished through receiving Advanced Placement credit or by successfully completing the Math courses named above.

Elementary Education:

Required: One course each from Literature (English 210 is recommended), American Government or History, Geography (Geology 110 or Government 381 is recommended), and Study of the English Language (English 220 is recommended).

English

Students may include six credit hours from Literary and Cultural Studies 201, 301, or 302 in the English major if they wish.

Geology:

Required: Two courses and associated laboratories (8 credits) from the following list of five choices: Chemistry 103/103L, Chemistry 206/206L, Chemistry 308/354, Physics 101, Physics 102

Recommended: Mathematics 111, 112

German:

German Studies requires 6 credits outside of German to be chosen in consultation with the advisor.

Government:

Recommended: Economics 101, 102, continue foreign language beyond the College Proficiency.

Hispanic Studies

Hispanic Studies requires 6 credits outside the Department of Modern Languages and Literatures selected in consultation with the major advisor.

International Relations:

The IR curriculum requires several advanced economics courses in international trade (Economics 475) and International Finance (Economics 476). These courses have prerequisites of intermediate economic theory (Economics 303 and Economics 304). Intermediate theory requires principles of economics (Economics 101 and Economics 102) or equivalent AP credit. Students interested in international relations should begin mastering economic theory right away. It is recommended that IR majors take Govt 204 as early as possible since this course is required for higher-level courses within the major. History 192 should also be taken as soon as possible. Lastly, because the foreign language proficiency requirements go well beyond the College's proficiency standard, IR majors should focus on language study early in their course work.

Mathematics:

Required: Computer Science 141; students in the applied track should take appropriate CS courses, including 141 and 241.

Military Science:

Required: History 428, US Military History; to meet the Military Science requirements for commissioning as a Second Lieutenant. Offered only every other year.

Physics:

Recommended: Mathematics 111, 112, 211 212, and 302

Theatre:

Required: One dance course from the following: Dance 111, 211, 212, 261, 262, 264, 303, 311, 312, 333, 411, 412. Students with previous dance experience should take the Dance Placement Evaluation in the fall to gain permission for intermediate-level modern, ballet, or jazz courses.

Women's Studies:

Required: 9 credits in humanities and 9 credits in social science disciplines. Contact program for details.

IV. Advanced Placement Information

Credit received through the Advanced Placement (AP) exam may be applied toward degree requirements, including proficiencies, GERs, major and minor requirements. (Exemptions, 0 credit placement, do not fulfill the GERs because they do not award credit.)

In most departments, advanced placement credits are routinely awarded based on the AP exam test score. In some cases, the AP examinations are reviewed by the faculty in the appropriate department at William & Mary to determine whether advanced placement and/or academic credit is warranted, using the content of the College's introductory course as a guide. Please note: students may *not* take a course at William & Mary for which they have received AP credit. Courses for which AP exemption has been granted may be taken for credit. If you register for any classes before receipt of your AP scores, assume that you did well and will receive at least an exemption, if not credit. On the

other hand, if you are fairly certain that you will not receive an exemption or credit, plan accordingly.

For general information on AP examination exemptions and credit, please contact the Office of the University Registrar at (757) 221-2807. Otherwise, please contact the appropriate department directly.

American Studies:

The program will recognize Advanced Placement credit awarded for appropriate courses in History, English and Government. Contact Undergraduate Director for more information.

Art & Art History:

A score of 5 for *Art History* is awarded 6 credits for Art History 251 and Art History 252. A score of 5 for *Art Studio(Drawing)* will be evaluated by the Art and Art History Department to determine possible credit for Art 211 or 212. A score of 5 for *Art Studio: Art 2-D Design* or *Art Studio: 3-D Design* will be evaluated by the Art and Art History Department to determine possible credit for Art 211 or 212.

Biology:

A score of 5 is awarded 3 credits for Biology 100, 1 credit for Biology 102, and exemptions for Biology 203 and 204. If, however, the student chooses to enroll in Biology 203, 204, the 4 AP credits will be awarded as elective credit that will not be applicable toward the minimum requirements for a major or minor in Biology. Students are strongly encouraged to enroll in both Biology 203 and 204.

Chemistry:

A score of 5 on the Chemistry examination is awarded 8 credits for Chemistry 103-103L and 308-354. A score of 4 will be given 4 credits for Chemistry 103-103L. Incoming freshmen with these scores and an interest in chemistry as a major are strongly encouraged to enroll in Chemistry 335 (Fall).

Computer Science:

A score of 4 or 5 on the *Computer Science A* examination is awarded 4 credits for Computer Science 141. A score of 3, 4, or 5 on the *Computer Science AB* examination is awarded 4 credits for Computer Science 141. Students who receive AP credit should place themselves in Computer Science 241 for their first course in the discipline at William & Mary.

Economics:

A score of 4 or 5 on the *Macroeconomics* examination is awarded 3 credits for Economics 102. A score of 4 or 5 on the *Microeconomics* examination is awarded 3 credits for Economics 101.

English:

A score of 4 or 5 on the *English Literature and Composition* examination is awarded 3 credits for English 210 and an exemption from Writing 101 (0 credit). A score of 4 or 5 on the *English Language and Composition* examination is awarded exemption from Writing 101 (0 credit).

Environmental Science:

A score of 5 on the Environmental Science examination is awarded 4 credits for Environmental Studies 101. A score of 4 is awarded exemption from Environmental Studies 101. Since ENST 101

is team-taught by nearly all the faculty in the program, students receiving AP credit are encouraged to audit or enroll.

Government:

A score of 4 or 5 in *Comparative Government and Politics* is awarded 3 credits for Government 203. A score of 4 or 5 in *U.S. Government and Politics* is awarded 3 credits for Government 201.

History:

A score of 5 in *European History* is awarded 6 credits for History 111 and 112, and a score of 4 is awarded an exemption from History 111 and 112. A score of 5 in *American History* is awarded 6 credits for History 121 and 122, and a score of 4 is awarded an exemption from History 121 and 122. A score of 5 in *World History* is awarded 3 credits for History 192, and a score of 4 is awarded an exemption from History 192.

Human Geography:

A score of 4 or 5 receives 3 credits for Government 381.

Latin

- If a student tests into Latin 201 or 202, he/she will not receive course credit (credit hours) for LAT 101 and 102.
- A student who has successfully completed one standardized exam administered by the College Board can receive 3 credit hours (toward matriculation) as follows:
 1. A score of **5** on the AP exam (Vergil or Latin Literature) earns 3 credit hours for LAT 202 only
 2. A score of **650** on the SAT II Achievement Test in Latin earns 3 credit hours for LAT 202 only
- A student who has successfully completed **TWO** standardized exams administered by the College Board can earn up to 6 credits hours for LAT 201 and 202 in either of the following ways:
 1. Scores of **5** on both of the AP exams (Vergil + Latin Literature)
 2. A score of **5** on either AP exam together with a score of **650** on the SAT II Achievement Test in Latin

Mathematics:

A score of 4 or 5 on the *Calculus AB* examination is awarded 4 credits for Mathematics 111. A score of 4 or 5 on the *Calculus BC* examination is awarded 8 credits for Mathematics 111 and 112 and a score of 3 on the *Calculus BC* examination is awarded 4 credits for Mathematics 111. (Please see Mathematics in Section VII for more information.)

Military Science:

Placement credit for MIL 101/102 and MIL 201/202 is provided for certain students with prior military service who enroll in the advanced course (the MIL 300 and 400 curriculum). In certain cases, placement **and class** credit are provided for MIL 101/102 and MIL 201/202 for CWM students who complete the summer Leadership Training Camp and enroll in the advanced course.

Modern Languages and Literatures:

For *French, German, or Spanish* Language examinations, a score of 5 is awarded 6 credits for French 206 and 210, German 206 and 210, and Hispanic Studies 206 and 207 respectively. A score of 4 is awarded 3 credits for French 206, German 210 and Hispanic Studies 206 respectively. A

score of 3 is awarded 4 credits for French 202 and 3 credits for German 202 and Hispanic Studies 202 respectively. For *French, German, or Spanish Literature* examinations, a score of 5 is awarded 6 credits for French 206 and 210, German 206 and 210, and Hispanic Studies 207 and 208 respectively. A score of 4 is awarded 3 credits for French 210, German 210 and Hispanic Studies 208 respectively. A score of 3 is awarded 4 credits for French 202 and 3 credits for German 202 and Hispanic Studies 202 respectively.

Music:

A score of 4 or 5 on the *Music Theory* examination is awarded 4 credits for Music Elective. It also exempts the student from taking Music 101 as a prerequisite for Music 201.

Physics:

A score of 5 on the *Physics B* exam receives 8 credits for Physics 107-108. A score of 5 on the *Physics CM* exam receives 4 credits for Physics 101. A score of 5 on the *Physics CEM* exam receives 4 credits for Physics 102. Scores below 5 receive no credit or exemption.

Psychology:

A score of 5 on the *Psychology* examination is awarded 6 credits for Psychology 201 and 202. A score of 4 is awarded exemption for Psychology 201 and Psychology 202.

Statistics:

A score of 4 or 5 is awarded 3 credits for Math 106 Elementary Probability.

V. International Baccalaureate

Entering students who have taken the examinations for the International Baccalaureate (IB) Diploma may receive academic credit and/or exemption for college level work undertaken before enrolling at William and Mary. The policies in each department governing credit and/or exemption for scores on IB examinations vary according to how the curriculum covered by the examinations fits the curriculum of the department. In most departments, academic credit and/or exemption is routinely awarded based on the test score. In some cases, the IB is reviewed by the faculty in the appropriate department at William and Mary to determine whether advanced placement and/or academic credit is warranted. Credit received through the IB may be applied toward degree requirements, including proficiency, GER, minor, and major requirements. Information on current policies is available from the Office of the University Registrar.

Art/Design (Higher Level)

Students who receive a score of 7 or 6 will have their examinations reviewed by the Art Department.

Biology (Higher Level)

A score of 7, 6 or 5 provides academic credit for Biology 100 (3 credits) and 102 (1 credit). Exemptions are awarded for Biology 203 and 204 (0 credit). If, however the student chooses to enroll in Biology 203 and 204, the 4 AP credits will be awarded as elective credit that will not be applicable toward the minimum requirements for a major or minor in Biology. Students are strongly encouraged to enroll in both Biology 203 and 204.

Classical Studies (Higher Level)

Students who receive a score of 7, 6, or 5 will have their examination reviewed by the Classical Studies Department.

Chemistry (Higher Level)

A score of 7 or 6 provides credit for Chemistry 103-103L and 308-354 (8 credits). A score of 5 provides credit for Chemistry 103-103L (4 credits). Incoming freshmen with these scores and an interest in chemistry as a major are strongly encouraged to enroll in Chemistry 335 (Fall).

Computer Science (Higher Level)

A score of 5 or higher is awarded 4 credits for CSci 141. A score of 6 or 7 is awarded 3 credits for CSci 241.

Economics (Higher Level)

A score of 7, 6, or 5 provides credit for Economics 101 and 102 (6 credits).

English (Higher Level)

A score of 7 or 6 provides credit for English 210 (3 credits) and an exemption from Writing 101 (0 credit). A score of 5 provides exemption (0 credit) from Writing 101.

History (Higher Level)

A score of 7 or 6 on the *World History* examination provides credit for History 192 (3 credits) and History Elective (3 credits). A score of 7 or 6 on the *History Americas* examination provides credit for History 122 (3 credits) and History Elective (3 credits). A score of 7 or 6 of the *History Europe* examination provides credit for History 112 (3 credits) and History Elective (3 credits).

Human Geography (Higher Level)

A score of 7 or 6 provides credit for Government 381 (3 credits).

Mathematics (Higher Level)

A score of 7 or 6 provides credit for Mathematics 111 (4 credits) and 112 (4 credits). A score of 5 provides credit for Mathematics 111 (4 credits).

Modern Languages (Higher Level)

A score of 7 or 6 provides credit for French 206 (3 credits), French 210 (3 credits), or German 206 (3 credits), German 210 (3 credits), or Hispanic Studies 206 (3 credits), Hispanic Studies 207 (3 credits). A score of 5 provides French 206 (3 credits), German 210 (3 credits), or Hispanic Studies 206 (3 credits). A score of 4 means that the Foreign Language requirement is fulfilled (no credit awarded). Scores of 3, 2, 1 receive no exemption; no credit awarded.

Music (Higher Level)

Students who receive a score of 7 or 6 will have their examinations reviewed by the Music Department.

Philosophy (Higher Level)

Students who receive a score of 7, 6, or 5 will have their examination reviewed by the Philosophy Department.

Physics (Higher Level)

A score of 7 or 6 will receive credit for Physics 107(4 credits) and 108 (4 credits).

Psychology (Higher Level)

A score of 7 or 6 provides academic credit for Psychology 201 (3 credits) and 202 (3 credits). A score of 5 provides exemptions from Psychology 201 and 202, but no academic credit.

VI. Transfer Credit Information

Many students take courses at a local college during high school. Even if the courses were used to fulfill high school requirements, they might also transfer to William and Mary for use toward bachelor's degree requirements. To determine whether this is the case, two preliminary criteria must be met. First, the institution must be accredited by one of the following accrediting bodies: Middle States Association (MSA), Northwest Association of Schools and Colleges (NASC-CIHE), North Central Association (NCA), New England Association of Schools/Colleges (NEASC), Southern Association of Colleges/Schools (SACS-CC) or Western Association of Schools/Colleges (WASC-JR or WASC-SR). Second, all courses must appear on an official college transcript. If these criteria have been met, contact the Registrar's Office of the host institution and request that a copy of your official transcript be sent to William and Mary's Office of the Registrar at Blow Memorial Hall, P.O. Box 8795, Williamsburg, VA 23187-8795. Unless you attended a school in the Virginia Community College System, to expedite the evaluation, please fax your catalog course descriptions to (757) 221-2151 or email them to Terri.Poteet@wm.edu. Please include your name and the name of your institution along with descriptions for both completed and in-progress courses.

Evaluation of Transfer Credit

Once the deposit, transcript and course descriptions arrive, an evaluation of all coursework will be conducted and recorded on the "Transfer Credit Request" form. The evaluation will determine if transfer credit will be awarded and, whether courses will receive elective or equivalent credit. Elective credit counts only as hours toward a degree. Equivalent credit counts as hours and, if appropriate, can be used to meet freshman seminar, Writing 101, foreign language, GER, major and minor requirements.

In some instances, students will not receive credit for every course on the initial evaluation. If the grade was below a "C" or if the course is of a type that is not transferable, "NC" (No Credit) is indicated on the evaluation. If there is insufficient information to make an accurate evaluation, "NS" (Needs Syllabus) is indicated and students are expected to send the syllabus to the registrar's office up until July 31st and we will contact the appropriate chairperson on your behalf. Beyond July 31st, the students take their syllabi, text information, papers, exams, etc. to the chairperson of the appropriate academic department upon arriving on campus.

Some students take summer courses at other institutions *after* enrolling at William and Mary. In order to transfer these courses back to W&M, students must receive written permission in advance. Summer courses taken *before* W&M matriculation may be counted toward any requirement that the same course taken at W&M would fulfill. Summer courses taken elsewhere *after* W&M matriculation will count as hours toward the 120 needed for a degree but will not meet any specific requirements.

To request permission to take summer courses elsewhere, students must obtain (via internet or the other institution) a copy of an institution's summer course listing and from the W&M registrar's web site <http://web.wm.edu/registrar/> the summer session elsewhere permission form. In addition to the course content, course length and contact hours need to be checked against the number and type of credits before a course is approved. May 1 is the deadline to submit forms to the Registrar's office. Students will receive written notification stating which courses they have permission to take. Once

the courses are completed with a “C” or better, students must request that an official copy of their transcript be sent to W&M’s Office of the Registrar. At that point, the credits (but never the grades) can be added to the student’s official academic record.

For further information about transferring credit, please contact the Office of the Registrar at (757) 221-2823. For information about transferring credit from semesters or years abroad, please contact the Reves Center for International Studies at (757) 221-3594 or 221-3595.

VII. Introductory Courses in Arts & Sciences Departments

Africana Studies

The Africana Studies (AFST) major employs rigorous interdisciplinary and comparative approaches for the study of the 1.2 billion people of African descent, a fifth whom are in the Diaspora. The central mission of the program is to prepare students for lifelong learning, graduate study in various fields, and careers in private and public organizations across the globe.

The Program draws on wide-ranging fields of inquiry including history, sociology, economics, anthropology, political science, religion, literature, music, drama, dance, film, and the visual arts. Through coursework that integrates and at often transcends disciplinary knowledge, students will learn to appreciate the specificity of Africa and its offshoots, the ways in which local and global forces interacted to shape a shared identity of Blackness as well as community-specific identities, and the trajectories of syncretism and other forms of inter-cultural exchange.

AFST majors may select one of three Concentrations, each of which studies Africans in their own terms but always in a global context: African-American Studies, African Studies, or African-Diaspora Studies. Students are encouraged to combine their scholarly study with service learning, study away, or study abroad. Course work in each of the three tracks must encompass at least three disciplines to ensure a genuinely interdisciplinary grounding in historical and contemporary issues along with practical applications of such knowledge (internships, civic engagement, and independent research).

Language Requirement. A major in Africana Studies includes an Africa-related foreign language component that exceeds the College-wide proficiency requirement. This means one course beyond the 202-level in one language, or 202-level proficiency in two languages. Besides native African languages (such as Amharic, Hausa, Oromiffa, Swahili, Yoruba, Wolof and Zulu), the following can be used to fulfill the requirement: Arabic, French, Portuguese, and Spanish. Others, such as Creole, may be approved on a case by case basis. Students are well-advised to choose languages that are appropriate for the chosen concentration.

Requirements for Major (*please refer to the Catalog and our website for details*)

Required Credit Hours: 37

Common Core: All majors, regardless of concentration, will take two gateway courses: AFST 205 (Introduction to Africana Studies) and AFST 301 (Critical debates in Africana Studies). Majors must also have a capstone experience with a significant research component, which is satisfied by taking AFST 406 (Advanced Topics Seminar), AFST 480 (Independent Study) or AFST 495-496 (Senior Honors). All students must also take AFST 407 (Senior Colloquium). These courses total to 10 credits.

Methods: The 3 credit methods course may be selected from any of the participating departments. The choices include, but are not limited to, ANTH 302 (Ethnographic Research), any statistics course (ECON, PSYC, or SOCL), ENGL 209 (Critical Approaches to Literature), GOVT 301 (Research Methods), RELG 391 (Theory and Method in the Study of Religion), and SOCL 352 (Methods of Social Research). Students who intend to write an Honors thesis should select the methods course that best meets their needs.

Concentrations: The remaining 24 credits are to come from courses that are specific to each of the three Concentrations that constitute the Major: African-American, African, and Diaspora. These are described in a menu format below. The most up-to-date list of eligible courses is published each semester by the University Registrar.

Requirements for Minor

Required Credit Hours: 18

Core Requirements: It is mandatory that minors choose a Concentration and take AFST 205 and AFST 301. The remaining 12 credits may be fulfilled by taking elective courses listed only under the chosen Concentration. Courses from a Department in which the student is majoring cannot be counted toward the Minor.

Introductory Courses

AFST 205. Introduction to Africana Studies.

(GER 4C, 5) Fall (3) Phillips, Vinson.

This core course employs interdisciplinary approaches to critically examine selected intellectual and cultural themes in African, African-American and Black-Diaspora studies. May have a lecture and discussion format, and may be team taught. Themes may also vary from year to year.

AFST 304. Introduction to the African Diaspora

Fall or Spring (3) Vinson.

Reviews the dispersions of peoples from the African continent since ancient times. Major themes include the Atlantic Slave Trade, the post-emancipation fight for full citizenship in the Americas, and interactions between diasporic blacks and Africans. (Cross listed with HIST 183).

For further information, please contact Berhanu Abegaz, Program Director, at (757) 221-2379. Africana Studies is a new program which came about as a result of the merger of African Studies and Black Studies.

American Studies

The American Studies Program engages students in the interdisciplinary study of the culture and society of the United States, past and present. Our majors design their concentration across a range of disciplines in order to explore American life as a dynamic field of cultural exchange, cooperation, and conflict. Drawing on the resources of faculty from over a dozen departments and programs, as well as internship possibilities at area institutions such as Colonial Williamsburg, American Studies

encourages students to pursue the kind of open-ended critical inquiry that can yield uniquely rich insights into how our culture works.

Requirements for Major

A minimum of 37 credit hours, of which at least 24 must be in courses numbered 300 and above, in courses on American topics distributed among the following areas:

- a) AMST 201 (4 credits) or AMST 202 (4 credits) or AMST 203 (4 credits)
- b) at least 6 approved credits in History
- c) at least 9 approved credits from English, Art and Art History, Dance, Kinesiology, Music, and Theatre (AMST 241, 271, 273, 343, 409, 433, 445, 451 may be used to fulfill this area)
- d) at least 6 approved credits from Anthropology, Economics, Government, Philosophy, Religion and Sociology (AMST 235, 341, 423, 434, and 435 may be used to fulfill this area)
- e) AMST 370 (4 credits)
- f) two topics courses, AMST 470 (6 credits)
- g) one semester of independent study (2-3 hours) or a two-semester honors project (6 hours), (AMST 480 or AMST 495/496)

The list of approved courses is available from the Director of Undergraduate Studies. The major computing requirement will be fulfilled by AMST 370. The major writing requirement may be fulfilled through satisfactory completion of two of the following courses: AMST 370, 409, 423, 435, 445, 470.

For more information, please contact the Department at (757) 221-1275.

Introductory Courses

150/150W. Freshman Seminar - Fall & Spring (4) An introduction to the concepts and methods of American Studies through the exploration of a specific topic.

201. American Popular Culture and Modern America - (GER 4A) Fall (3) This course introduces students to forms of popular culture that emerged after 1865. It examines how popular culture shaped and has been shaped by the social, political and economic contexts of the US, such as industrialization, technology and the expansion and globalization of capitalism.

202. Introduction to American Studies—Cinema and the Modernization of U.S. Culture: 1914-1945 Fall (4) This introductory course uses the cinema to examine the social, cultural, and political upheaval of the inter-war period and to ask how film both reflected and participated in the “modernizing” of America.

203. Introduction to American Studies - Spring (4) A survey of American medicine from the eighteenth century to the present. Subjects include the changing understanding of disease; the social role of the physician; and society’s response to such public health crises as cholera and AIDS.

Anthropology

A major in Anthropology requires 33 hours of credit, including 202 (INTRODUCTION TO CULTURAL ANTHROPOLOGY), 300 (History of Anthropological Theories), one course in archaeology, one course in biological anthropology and A SECOND COURSE IN CULTURAL ANTHROPOLOGY. IN ADDITION, EITHER Anthropology 470 (Senior Seminar), 460 (Independent Research) or 495-496 (Honors) IS REQUIRED IN THE SENIOR YEAR.

Introductory Courses

150W. Freshman Seminars - Fall and Spring (4) An introduction to the concepts and methods of anthropology through exploration of a specific topic. These are writing intensive courses; a grade of C or better satisfies the College Writing Proficiency Requirement. See separate listing for description of this course.

201. Introduction to Archaeology - (GER 4B) Fall and Spring (3) An introduction to the concepts and methods used to reconstruct past societies from their material remains and a survey of world prehistory from the earliest hunter-gatherer societies to the origins of civilization.

202. Cultural Anthropology - (GER 3, 4C) Fall and Spring (3) An introduction to the study of contemporary human societies and cultures using anthropological concepts and principles to examine ecology, economic relations, marriage, kinship, politics, law, religion, and current problems.

203. Introduction to Biological Anthropology - (GER 2B) Fall (3) How do biological anthropologists study our own species? This course looks at data and theory on evolution of monkeys, apes, human ancestors and humans. Origins of bipedalism, technology, language and religion, and anthropological views on race and human variation are discussed.

204. The Study of Language - (GER 3) Fall and Spring (4) An introduction to linguistics, the scientific study of human language. Considers languages as structured systems of form and meaning, with attention also to the biological, psychological, cultural, and social aspects of language and language use. (Cross-listed with English 220)

241. Worlds of Music – (GER 4B) (cross-listed as Music 241) This course will introduce students to musical cultures of the non-Western world. Topics will include: native concepts about music, instruments, aesthetics, genres, relationship to community life, religion, music institutions and patronage . Course goals will be to develop skills useful for a cross-cultural appreciation and analysis of music, and to bring questions about music into the domain of the humanities and social sciences.

In addition to our regular academic courses, the Department of Anthropology, in conjunction with the Department of Archaeological Research at Colonial Williamsburg, will offer two six-week summer field schools in the Williamsburg area. Please note that ANTH 225 does not satisfy any GER requirements.

225. Archaeological Field Methods. Summer (6) An introduction to archaeological field and laboratory methods through participation in a field archaeological project. Archaeological survey and mapping, excavation techniques, data collection and recording, artifact processing and analysis, and related topics.

For more information, please contact the department at (757) 221-1055 or visit the department website at <http://web.wm.edu/anthropology/>.

Applied Science

Applied Science is an interdisciplinary graduate department which offers M.S. and Ph.D. degrees in the physical and biological sciences. Courses are offered cooperatively by the core faculty of Applied Science along with affiliated faculty from the Departments of Biology, Chemistry, Computer Science, Mathematics, Physics, and the Virginia Institute of Marine Sciences (VIMS), as well as from the NASA Langley Research Center (LaRC) and the Thomas Jefferson National Accelerator Facility (Jefferson Lab). In Applied Science we use the tools, the techniques, and the understanding involved in a wide range of sciences in order to solve complex scientific and technical problems. The Department has state-of-the-art facilities in: (1) theoretical and computational analysis of physical and biological systems, (2) cellular and systems neurophysiology, (3) materials synthesis and characterization of small molecules, polymers, inorganics, and composites, (4) modification and evaluation of interfaces, (5) processing of materials and surfaces, and (6) imaging technology and theory from nano to planetary scales.

While Applied Science does not offer an undergraduate major, several courses in the department are particularly suitable for undergraduate students of physics, mathematics, chemistry, computer science, and biology. A minor in Applied Science is offered with a track in either Computational Biology or Materials Science. The minor in Applied Science permits a number of courses from other departments to count in the total credits (see the description below).

For more information, please see the College Catalog or contact the department at (757) 221-2563.

Introductory Courses

150W.01 Freshman Seminar: Applied Pseudoscience. Fall (4) This course offers a brief introduction to the scientific method, and then explores systematically a variety of paranormal phenomena (UFO's, ESP, Bermuda Triangle, etc.) It will help students to distinguish legitimate scientific discoveries from the bogus claims of tricksters and fools.

150W.02 Freshman Seminar: Recycling Technology. Fall (4) Everybody agrees that recycling is desirable, but implementation continues to face growing issues. Using a nearby city as a case study, we investigate technology, economics and policy issues, and work as a team with city staff to develop and present an improved recycling plan, each class member being responsible for specific areas.

201.01 Introduction to Materials Science. Spring (3) This course is intended as an introductory course for the Materials Science minor in Applied Science. The role materials have played and will continue to play in shaping society will be discussed.

APPLIED SCIENCE MNOR (Two Tracks)

Six designated courses (see below), including independent research (at least 2 credits) and totaling at least 18 credits. Required Research Experience: APSC 402 *or* 404 *or* 495-496 (2 to 4 credits), *or* pre-approved Senior Research projects from other departments. *Two tracks are available:*

TRACK ONE: COMPUTATIONAL BIOLOGY. Take 2 of 3 required courses: APSC 451 Cellular Biophysics and Modeling; APSC 452 Networks in the Brain and Biology; APSC 453 Introduction to Bioinformatics. **Additional courses may be selected from the following:** APSC 312 Medical Imaging; BIOL 404 Topics in Biotechnology; BIOL 406 Molecular Cell Biology; BIOL 442 Molecular Genetics; MATH 302 Ordinary Differential Equations; MATH 351 Applied Statistics, MATH 410 Mathematical Biology; MATH 441/442 Introduction to Applied Mathematics;

CHEM 341 Principles of Biophysical Chemistry. *Additional APSC Graduate courses that may be taken and counted with instructor permission:* APSC 631 Applied Cellular Neuroscience; APSC 632 Applied Systems Neuroscience; APSC 751 Mathematical Physiology I; APSC 752 Mathematical Physiology II.

TRACK TWO: MATERIALS SCIENCE. Take 3 required courses: APSC 201 Materials Science; APSC 301 Mechanics of Materials; APSC 302 Applied Quantum Mechanics. **Additional courses may be selected from the following:** APSC 312 Medical Imaging; APSC *or* CHEM 411 Polymer Chemistry I; APSC *or* CHEM 412 & 416 Polymer Chemistry II; APSC 422 Intro Materials Characterization; APSC 474 Continuum Mechanics; CSCI 426 Simulation; MATH 441 *or* 442 Applied Mathematics I & II; PHYS 475 Mathematical Physics. *Additional APSC Graduate courses that may be taken and counted with instructor permission:* APSC 525 Introduction to Solid Surfaces and Interfaces; APSC 607 Mathematical and Computational Methods; APSC 621 Principles of Materials Science; APSC 627 Lasers in Medicine, Science, and Technology; APSC 637 Introduction to Optoelectronics.

Art & Art History

The Department of Art and Art History offers two programs: Studio Art and Art History. In each program, the student is required to complete Art 211 and 212 along with Art History 251 and 252. It is to the advantage of the student, particularly those majoring in Art, to have completed these courses by the end of the sophomore year. Art 211 and 212 introduce students to the basic visual concepts of art. It is not necessary to have any training in art before arriving at William & Mary and these courses can be taken in either the Fall or Spring semesters. Art History 251 and Art History 252 are the fundamental courses for the discipline. These courses are offered every semester and may be taken in any order. Art History 150W is a Freshman Seminar that focuses on different topics and approaches to the study of art. This course can be taken to satisfy the Writing Proficiency Requirement and is offered in the fall.

For more information, please contact the department at (757) 221-2520.

Introductory Courses for Studio Art

150W. Freshman Seminar - Fall (4) See separate listing for description of this course.

211. Two-Dimensional Foundations - (GER 6) Fall and Spring (3,3) Introduction to visual expressive concerns through lectures and projects in drawing, color, and design as they function two-dimensionally. Six studio hours.

212. Three-Dimensional Foundations - (GER 6) Fall and Spring (3,3) Creative problem solving in a variety of media dealing with the elements of three-dimensional form (line, surface, volume, mass, color, light, and space) and exploring concepts of image, message, process, style, and expression. Six studio hours.

Introductory Courses for Art History

150W. Freshman Seminar - Fall or Spring (4) See separate listing for description of this course.

251. Survey of the History of Art I - (GER 4A, 5) Fall (3,3) The study of ancient and medieval art. Illustrated lectures and readings.

252. Survey of the History of Art II - (GER 4A, 5) Spring (3,3) The study of European and American art from the Renaissance to the present. Illustrated lectures and readings.

Biology

The program of the Department of Biology provides majors with a sound introduction to the principles of biology and an appreciation for the diversity and complexity of living things. The department also provides majors with a breadth and a depth of training and a variety of approaches to the study of life, while allowing maximum flexibility in the development of programs consistent with the interests and needs of individual students.

Students who do not plan to major in biology, but wish to meet the GER 2B requirement in this discipline, may wish to register for Biology 100. Other options include: Biology 103, 105, 106, 108, 110, 203, and 204. Biology 203 and 204 are intended for students who intend to major in the science and pre-health professional students. These courses are difficult without a good working knowledge of high school biology and, especially for Biology 203, also high school chemistry.

Students who plan to major in Biology should register for Biology 204 in the first semester, followed by Biology 203 the second semester. Although it is not essential, a student may choose to register for Chemistry 103/103L (General Chemistry with laboratory) concurrently with Biology 204, but the required four-course Chemistry sequence should be begun no later than the third semester. Majors may wish to take Biology 205 (General Botany) and Biology 206 (General Zoology) in the second year because these two courses are prerequisites for some advanced Biology courses. However, it is not essential that students do this. Especially for students who want to do research, it is important to begin taking upper division courses as soon as possible, and some students may take advanced Biology courses which do not require Botany and Zoology as prerequisites (or may require just one of them) as sophomores.

For more information, please contact the department at (757) 221-2207.

Introductory Courses

100. General Biology - (GER 2B) Fall (3) Does not count toward Biology major. An introduction to living things and processes. Topics covered include cell structure and function, genetics, developmental biology, evolution, and ecology. Laboratory is not required. (Three lecture hours per week)

103. Human Biology - (GER 2B) Spring (3) Does not count toward Biology major. An examination of Homo sapiens from a biological perspective. Topics include our place in nature, basic information on human evolution, functional morphology, ecology, and genetics.

105. Plants, People, and Agriculture – (GER 2B) Fall (3) An introduction to the complex relationship between people, plant, and agriculture with an emphasis on agricultural practices. Not applicable toward the minimum requirements for a major or minor in Biology. Three class hours plus two field trips. (Not offered 2007-2008)

106. Disease, Biomedicine and Biomedical Research - (GER 2B) Fall (3)

108. Introduction to Ecology and Environmental Science - (GER 2B) Spring (3) Designed for non-majors. An introduction to selected principles of ecology and their application to current environmental issues. Topics include food chain structure, nutrient cycling, competitive and predator/prey interactions, and population growth. Applications range from large scale (global warming) to local (Lake Matoaka issues). Not applicable toward the minimum requirements for a major or minor in Biology.

109. Introduction to Ecology and Environmental Science Laboratory – (GER 2B Lab) Spring (1) Corequisite Biology 108. A field-oriented laboratory that provides first-hand experience with selected issues and methods. Focus will be on the College Woods as a protected but threatened terrestrial habitat and Lake Matoaka as a highly impacted aquatic one. Designed to accompany Biology 108.

110. Insects and Society - (GER 2B) Spring (3) A survey of insects and related arthropods emphasizing their role in earth as well as their interactions with humans. Not applicable toward the minimum requirements for a major or minor in Biology. Three class hours. Offered in alternate years. (Formerly Biology 207) (Not offered 2007-2008)

111. Insect Biology Laboratory - (GER 2B laboratory) Spring (1) Prerequisite or Co-Requisite: Biology 110 or instructor permission. A laboratory designed to provide non-science majors with an appreciation of insects and related arthropods. Field trips and laboratory exercises emphasize the biology and recognition of common insects. A course especially useful to school teachers. (Three laboratory hours per week.) (Formerly Biology 209) (Not offered 2007-2008)

203. Principles of Biology: Molecules, Cells, Development with required laboratory - (GER 2B) Spring (4) This course is designed for potential Biology majors. Molecular and cellular characteristics of living organisms. This course includes lectures on cell structure, biochemistry and metabolism, the molecular basis of gene action, and cellular and molecular processes during development. (Three lecture hours, laboratory preparation period, three laboratory hours)

204. Principles of Biology: Organisms, Ecology, Evolution - (GER 2B) Fall (4) This course is designed for potential Biology majors. Emphasis is on the diversity of living organisms, their interrelationships and the evolutionary processes which result in diversity. Topics include major kingdoms, representative phyla, populations and communities, genetics and evolution. (Three lecture hours, laboratory preparation period, three laboratory hours)

205. General Botany - Spring (4) An examination of major groups of aquatic and terrestrial plants, as well as viruses, bacteria, and fungi. The structure, reproduction, cytology, physiology and taxonomy of plants will be presented as well as the interrelationships of plants with their environment. (Three lecture hours, three laboratory hours per week)

206. General Zoology - Fall (4) The study of evolution, classification, ecology, behavior, development, and functional systems of the major animal phyla. Certain aspects of human biology will also be covered. (Three lecture hours, three laboratory hours per week)

208. Applied Botany - Fall (3) A survey of the basic structure and function of plants with emphasis on their economic uses. Appropriate for students not majoring in the natural sciences. Does not apply toward the requirements for major or minor in Biology. Three class hours. Offered in alternate years.

Black Studies

New students: Please see the section on Africana Studies.

Rising Black Studies seniors: Please see the old BLST curriculum on <http://web/wm.edu/africanastudies>.

Chemistry

The Department of Chemistry offers different levels of introductory courses in general and organic chemistry that can be taken by freshmen. Special course offerings are available to incoming students with AP 4 or 5 scores in chemistry as well.

Students who wish to only take a chemistry class for GER 2A credit should enroll in CHEM 101 (Survey of Chemical Principles) in the fall semester. CHEM 101L (Chemical Principles Laboratory) can be used to satisfy the GER 2A laboratory credit, but the number allowed to enroll in this lab is very restricted. All other introductory courses in the department are typically taken by science majors.

Students planning to major in the sciences or a career in the health professions should enroll in CHEM 103 (General Chemistry I) and CHEM 103L (Chemistry Laboratory I, General) in the fall and CHEM 206 (Organic Chemistry I) and CHEM 206L (Chemistry Laboratory II, Organic) the following spring. Students may take the lecture courses without enrolling in the laboratory; but students enrolled in either the CHEM 103L or CHEM 206L labs should be concurrently enrolled in the corresponding lecture courses. These laboratories are required for biology, biological psychology, chemistry majors, and those on pre-medical tracks.

Students considering Chemistry as a major and with AP or IB credit for CHEM 103/103L and/or CHEM 308/354 or transfer credit are highly encouraged to enroll in CHEM 335 (Principles of Inorganic Chemistry) in the fall of their freshman year. The department also provides the opportunity for students in this course to apply for positions in CHEM 191 (Freshman Honors Research). Applications are made at the beginning of the fall term. Students selected for this program become immediately involved in research through collaboration with a selected faculty member. Students with exceptional laboratory backgrounds and planning to major in chemistry may also have the opportunity to begin research through CHEM 291 (Chemical Research). Contact Dr. J.C Poutsma, Director of Undergraduate Studies in Chemistry, (jcpout@wm.edu or 757-221-2548) if you would like more information regarding research opportunities within the department.

Students with exceptionally strong high school chemistry backgrounds that did not receive AP or IB credit may also consider taking an examination administered by the department at the beginning of the fall semester. This exam is similar in length and scope to final exams in CHEM 103. Syllabi for CHEM 103 may be found on the department website at www.wm.edu/as/chemistry. Students passing the exam will be awarded credit for CHEM 103 and 103L, and they will be allowed to enroll in CHEM 335 and apply for positions in CHEM 191. Contact Dr. Chris Abelt, the department chair, at 757-221-2540 or cjabel@wm.edu prior to your arrival for fall orientation if you are interested in this option and would like to schedule an examination time.

The chemistry curriculum has a hierarchical structure of courses. For this reason students considering a major in chemistry should enroll in CHEM 103 and 103L in the fall and CHEM 206 and 206L in the spring of their freshman year (CHEM 335 and CHEM 206 for those with AP credit). MATH 111 and 112 (Calculus) should also be taken over the freshman year as well if no AP credit has been awarded. Those considering other science majors may also want to consider enrolling in CHEM 103 and 206 in their first year as well.

For more information, please contact the Department at 757-221-2540 or visit our web site at www.chem.wm.edu.

Introductory Courses offered only in the Fall semester

101: Survey of Chemical Principles - (GER 2A) Fall (3) General chemical principles related to humans and their environment, including the composition of matter, chemical reactions, and energy. Designed for nonscience majors. CHEM 101L is the companion laboratory course. (Science majors and pre-medical students should enroll in CHEM 103 instead of 101.)

103: General Chemistry I - (GER 2A) Fall (3) A study of the nature of atoms and molecules, stoichiometry, states of matter, solutions, reactions, kinetics, and equilibrium. For science majors and premedical students. CHEM 103L is the companion laboratory course.

101L: Chemical Principles Laboratory – (GER 2A laboratory) Fall (1) Laboratory techniques in chemistry for non-science majors. This course consists of a one-hour discussion period early in the week followed later by a three-hour laboratory. Students taking this course should be enrolled concurrently in CHEM 101.

103L: Chemistry Laboratory I (General) - (GER 2A laboratory) Fall (1) Laboratory techniques in chemistry. The course consists of a one-hour discussion period early in the week followed later by a three-hour laboratory. Students taking this course should be enrolled concurrently in CHEM 103.

191: Freshman Honors Research - Fall (1) Introduction to chemical research with an assigned faculty mentor. Enrollment is competitive and restricted to freshman students concurrently enrolled in CHEM 335. Applications are made at the beginning of the fall term.

335: Principles of Inorganic Chemistry - Fall (3) A systematic study of the properties and reactions of chemical elements and their compounds. Enrollment is restricted to freshmen who receive William and Mary credit for CHEM 103 with a score of 4 or 5 on the Advanced Placement Examination in Chemistry, or a score of 5 to 7 on the higher level IB exam, or received credit for CHEM 103 by examination or transfer credit.

Introductory Courses offered only in the Spring semester

206: Organic Chemistry I - Spring (3) A mechanistic approach to the study of the chemistry of carbon compounds. Particular emphasis is placed on the relationship between structure and reactivity in organic reactions. Intended for science majors. It is required for biology and chemistry majors. CHEM 206L is the companion laboratory course. Completion of CHEM103 (by either enrolling or receiving Advanced Placement credit) is a prerequisite.

206L: Chemistry Laboratory II (Organic) - Spring (1) Laboratory techniques in organic chemistry. Each week there is a short discussion period followed immediately by a laboratory (total is 4 hours). Students enrolled in this course should be concurrently enrolled in CHEM 206.

Classical Studies

The Department of Classical Studies offers courses in Latin, Classical and New Testament Greek, and Hebrew as well as a variety of courses on classical civilization which require no language study. The College's foreign language requirement can be fulfilled by four years of high school Latin, by an SAT II Achievement Test in Latin score of 650, or a Latin AP exam score of 5, or by completing either Latin 202, Greek 202, or Hebrew 202 with a passing grade. Students who wish to take a

placement examination in Classical Greek or Biblical Hebrew should contact the Department of Classical Studies to make individual arrangements for testing.

A student **who wishes to continue in Latin** at the College of William and Mary will be placed into the appropriate level according to one of the following standardized examinations:

- SAT II Subject test in Latin
- AP –Vergil
- AP-Latin Literature (Catullus-Horace; Catullus-Ovid; or Catullus-Cicero: only one AP-Latin Literature exam can count for credit at William and Mary)
- Or the Classical Studies placement examination which is offered at the beginning of each semester (fall and spring) and can be taken at any point in a student’s undergraduate career.

The Department of Classical Studies does not allow self-placement under any circumstances. Students must submit a test score as specified above to be placed in a Latin course.

***FOR ADDITIONAL PLACEMENT RULES IN LATIN, GREEK AND HEBREW, SEE PAGES 6-7.**

In regard to Advanced Placement Tests, see Advanced Placement Information.

For newcomers interested in classical civilization, Classical Civilization 207 and 208 are recommended. For those interested in Classical art and archaeology, Classical Civilization 217 and 218 are good choices.

A major in Classical Studies with a concentration in Classical Civilization is excellent preparation for professional schools of law, medicine, or business when combined with a second major or a pattern of electives carefully chosen under the guidance of the appropriate pre-professional advisor, but it is not recommended for those seeking to become professional classicists. They need to choose a Latin or Greek concentration.

For more information, please contact the department at (757) 221-2160.

Introductory Courses

Greek

101,102. Elementary Classical and New Testament Greek - Fall and Spring (4,4) The elements of the Greek language with translation of stories and poems from selected readers. Parallel study of aspects of Greek civilization and of the legacy left by Greek culture and thought to the modern world. Prerequisite for Greek 102: Greek 101 or consent of instructor.

201. Introduction to Greek Literature: Prose - Fall (3) A course designed to introduce the student to the basic syntactical and stylistic elements of 5th-4th century B.C. Attic prose through an intensive examination of selected works of Plato, Lysias, Thucydides, and other prose writers. Prerequisite: Greek 102 or consent of instructor

202. The Literature of Greece: Prose and Poetry - (GER 5) Spring (3) Continued analysis of the style, compositional techniques and content of representative prose writers. In the second half of the semester, the student will be introduced to dramatic poetry through the reading of one of the tragedies of Sophocles or Euripides. Prerequisite: Greek 201 or consent of instructor

Hebrew

101,102. Elementary Biblical Hebrew - Fall and Spring (4,4) The elements of the Hebrew language with translation of simple narrative passages from the Hebrew Bible. Prerequisite for Hebrew 102: Hebrew 101 or consent of instructor

201, 202. Reading the Bible in Hebrew - 201: Fall; 202: Spring (3,3) Review and further readings in various genres of Biblical literature. Emphasis on syntax, vocabulary, and style of the Hebrew Bible. Prerequisite: Hebrew 102 or consent of instructor.

Latin

101,102. Elementary Latin - Fall and Spring (4,4) This course is designed to equip the student with a mastery of the structure of the Latin language and with a knowledge of basic vocabulary. There are translations from appropriate Latin texts and parallel study of pertinent aspects of Roman life and history. Prerequisite for Latin 102: Latin 101 or departmental placement.

201. Introduction to Latin Prose - Fall (3) There will be a review of forms and syntax after which some major prose author will be read at length. Prerequisite: Latin 102 or departmental placement.

202. Introduction to Latin Poetry - (GER 5) Spring (3) A major poet will be read at length or numerous brief selections from classical and medieval Latin poetry will be covered. Prerequisite: Latin 201 or departmental placement.

Classical Civilization

150. Freshman Seminar - Fall and Spring (3 or 4) Open only to Freshmen. See separate listing for description of this course.

205. Greek and Roman Mythology – (GER 5) Fall and Spring (3) The origins and development of Classical mythology and heroic legend as religious belief, its relation to other mythologies, and its adaptation as literary and artistic symbol from Homer through the 21st century.

207. Greek Civilization- (GER 4A, 5) Fall (3) A survey of ancient Greek culture from the Bronze Age to the time of Alexander the Great, examining the evolution of Greek society, art, literature and material culture in the historical context of political and economic developments.

208. Roman Civilization - (GER 4A, 5) Spring (3) A survey of Roman culture from the founding Rome to early medieval period, examining the evolution of Roman society, art, literature and material culture in the historical context of political and economic developments.

217. Greek Archaeology and Art - (GER 4A, 5) Fall (3) An archaeological consideration of the Minoan, Mycenaean, Archaic, and Classical periods of Greek civilization. Architecture, sculpture, painting, and the minor arts are included.

218. Roman Archaeology and Art - (GER 4A, 5) Spring (3) The architecture, painting, and sculpture of Hellenistic Greece and Rome until the 4th c. A.D. from the archaeological viewpoint. Byzantine art, as found in Greece and Italy, will also be included.

Computer Science

Computer Science offers several courses that are often taken by incoming freshmen. Students who plan on majoring in one of the sciences, a social science, or business are well-served by learning to program a computer by taking some portion of the course sequence consisting of CSCI 141, 241, 301. Programming is a fundamental skill in using symbolic mathematics packages (such as Maple, Mathematica, and MathCAD) and in using statistical packages (such as SPSS and SAS). Currently, the introductory programming sequence is taught using Java.

Students with credit for CSCI 141 (or equivalent experience) should start with CSCI 241. Any student with experience in programming who has questions about which level is appropriate should make an appointment to see the department's Undergraduate Director and bring with them textbooks used, programs written, or other concrete work product.

The other course commonly taken by freshmen is CSCI 131, which is intended to provide fluency with computers including: data representation, computer organization, operating systems, networking, algorithms, and applications. The co-requisite lab provides hands-on instruction in these areas. Some concentrations require CSCI 131 to fulfill their concentration computing requirement. CSCI 131 is substantially revamped for the 2009/10 academic year.

Freshmen should note that CSCI 141 can be a time-consuming course for students who have not learned to budget their time carefully. The department recommends that prospective majors complete CSCI 141, 241, 243, and a required 300-level course by the end of their second year; however, it is possible to take CSCI 141 as late as the spring of one's sophomore year and still graduate in 4 years with a concentration in computer science.

For more information, visit <http://www.cs.wm.edu>. The Undergraduate Director, Professor Robert Noonan, can be reached by phone at (757) 221-3465.

Introductory Courses

131. Concepts in Computer Science. Fall and Spring (3). An overview of Computer Science, presenting an introduction to key issues and concepts; elementary computer organization and arithmetic, algorithms, program translation, operating systems, elementary data structures, file systems, and database structures. Required laboratory sessions introduce students to application software for data management, text processing and network use. Not open to students who have received credit for any 300-400 level computer science course. Two lecture hours, two laboratory hours. Some majors require their students to satisfy the major computing requirement by taking a computer science course designated for that purpose. CSCI 131 is designated for that purpose. (Concurrent registration in 131L is required).

141. Introduction to Computer Science. Fall and Spring (4). Fundamental concepts of computer science, including problem solving, algorithm development, data structures, and the characteristics and organization of computers. Programming in a higher-level language, debugging, and fundamentals of programming style. Three class hours and two laboratory hours each week. (Concurrent registration in 141L is required).

241. Data Structures. Fall and Spring (3). Prerequisite: CSCI 141. Continuation of fundamental concepts of computer science. Data structures and their representations, data abstraction, internal representation, lists, stacks, queues, trees, and their applications. The implementation of abstract data structures using classes gives this course a significant programming component.

Economics

The educational goal of the economics department is to enable the student to 1) understand and be able to apply the fundamental theoretical propositions of economics, 2) comprehend the procedures by which economic models and hypotheses are formulated, tested, and modified through the analysis of data, and 3) gain an understanding of economic institutions and policies and be able to put them in their social, political, and historical context.

The 100 level courses in economics serve as introductory courses to the discipline. Economics 101, 102, 151 and 152 fulfill GER 3. The standard prerequisite for all 300 level Economics courses is two semesters of Principles of Economics (a course in microeconomics followed by a course in macroeconomics). This may be fulfilled by taking Economics 101 and 102, Economics 151 and 102, Economics 101 and 152, or Economics 151 and 152. The standard prerequisite for all 400 level Economics courses is at least one course in Intermediate Economic Theory (Economics 303 and/or 304). A student with a strong background in Economics should consider taking Economics 303 or 304 in the freshman year.

For more information, please contact the department at (757) 221-4311.

Introductory Courses

101. Principles of Microeconomics - (GER 3) Fall and Spring (3) The study of economic behavior at the level of individual households and firms. Topics include scarcity and choice, supply and demand, production, cost, and market organization.

102. Principles of Macroeconomics - (GER 3) Fall and Spring (3) Prerequisite: 101/151. The study of aggregate economic activity. Topics include national income and output, unemployment, money and inflation, and international trade.

150. Freshman Seminar: Topics in Economics - Fall or Spring (3) This seminar focuses on specific topics in economics and will vary from semester to semester. This course may not substitute for Economics 101 or 102. Course requirements vary considerably, but usually include papers and extensive class participation.

151. Freshman Seminar: Microeconomic Topics - (GER 3) Fall or Spring (4) Seminars focus on topics in microeconomics and will vary from semester to semester. Students may not receive credit for both Economics 101 and 151.

152. Freshman Seminar: Macroeconomics Topics – (GER 3) Fall or Spring (4) Seminars focus on topics on macroeconomics and will vary from semester to semester. Students may not receive credit for Economics 102 and 152.

English

The English Department offers a variety of courses at the introductory level (courses numbered in the 200's) and entering freshmen may take any of these courses. English 210 (Topics in Literature) provides an introduction to critical reading and writing and is intended to enhance a student's understanding and appreciation of literature. English 210 is designed for students who are not planning on English as a major. It may be taken by students wishing to use an English course to satisfy GER 5 or students may wish to select from among English 205, 207, or 209. **Pre-med students should take a 200 level course during their freshman or sophomore year. Courses at**

the 200 level are available only to freshmen and sophomores, so students should plan to take them before their junior year.

Prospective English majors should enroll in either English 203 or 204, and since both are required for the English major, ideally prospective majors should plan to have taken both by the end of their freshman year, or in the first semester of their sophomore year. The American literature requirement for the major may be met with English 207, or later with an upper level American literature course.

Prospective majors should note that only 9 credit hours at the 200 level may be counted toward the 36 hours they will need for a major in English. Since some prospective majors will have AP credit for English 210, they may wish to take only two courses at the 200 level before proceeding to upper-level courses.

English majors may include six credit hours from Literary and Cultural Studies 201, 301 and 302 in the first 36 credits of their major program, but must notify the Registrar's Office that they wish these courses to count toward their English major.

Students with an interest in the study of language should consider enrolling in English 220, which may be used toward fulfilling GER 3 or toward a linguistics minor. (There is not a literature minor in English.) It may also be used as the starting point for an interdisciplinary major in linguistics.

PLEASE NOTE: Freshmen are strongly advised not to attempt 300 and 400 level courses without first consulting with the department chair or with the professor of a particular course.

For more information, please contact the department at (757) 221-3905.

Introductory Courses

150W. Freshman Seminars - Fall and Spring (4) An exploration of specific topics in literary or linguistic studies. These courses satisfy the lower division writing proficiency requirement. See the separate listing of Freshman Seminars for descriptions.

203. British Literature I - (GER 5) Fall and Spring (3) An introductory survey of British literature of the Middle Ages and Renaissance, **designed for potential English majors**. The course covers narrative, dramatic, and lyric poetry, including works by Chaucer, Spenser, Shakespeare, and Milton.

204. British Literature II - (GER 5) Fall and Spring (3) An introductory survey of British literature from 1675-1900, **designed for potential English majors**. The course includes Augustan satire, Romantic and Victorian poetry, and the Victorian novel.

205. An Introduction to Shakespeare - (GER 5) Fall and Spring (3) A general introduction to Shakespeare's major poetry and plays. Students will read eight to ten plays, chosen to reflect the major periods in Shakespeare's dramatic development, and some poetry, especially the sonnets. (It is suggested that students have previously taken English 203 or another 200-level course, or have AP credit for 210.)

207. American Literature: Themes and Issues - (GER 5) Fall and Spring (3) An introduction to American literature through an analysis of major, continuing themes, such as the meaning of freedom; literature and the environment; urban-rural dichotomies.

209. Critical Approaches to Literature - (GER 5) Fall and Spring (3) An introduction to important critical approaches to literature such as traditional (historical/biographical, moral/philosophical), formalist, psychological, archetypal, and feminist. (Appropriate for students intending to concentrate in English or having AP credit for English 210.) (Formerly ENGL 202)

210. Topics in Literature – (Most topics will fulfill GER 5) Fall and Spring (3) An introduction to a topic in literature or in literature or another discipline. If there is no duplication of topic, may be repeated for credit.

212. Introduction to Creative Writing – (GER 6) Fall and Spring (3) Workshop format emphasizes the basics of writing fiction and poetry. Class meets for one two-hour session per week. No previous writing experience is required. Open to academic freshmen and academic sophomores with priority given to academic freshmen.

220. The Study of Language - (GER 3) Fall and Spring (4) An introduction to linguistics, the scientific study of human language. Considers languages as structured systems of form and meaning, with attention also to the biological, psychological, cultural, and social aspects of language and language use. (Cross-listed with Anthropology 204)

Environmental Science/Studies

Environmental questions and concerns are inherently interdisciplinary, ranging among scientific, social, economic, and ethical considerations. Therefore, the Environmental Science/Studies program is designed to provide appropriate training in environmental methods, issues, and policies for students whose specific interests may lie anywhere within the sciences or the humanities. Primary interests of current students include such areas as biology, geology, government, law, public policy, and ethics. There are two choices for the environmental studies curriculum: a major which is taken in conjunction with the student's primary major, and a new minor in Environmental Science and Policy. Both begin with a new interdisciplinary core course, entitled ENST 101. This course covers a range of environmental issues from the Chesapeake Bay to Toxics and Environmental Justice, using an innovative integrated approach. It is team-taught by professors from the natural and social sciences and the humanities. It is offered in the fall semester.

Other courses in the major also can be taken first semester, including Biology 100 (Principles of Biology for Non-Majors) or 204 (Principles of Biology: Organisms, Ecology, Evolution), Chemistry 103/151 (General Chemistry with laboratory), and Geology 101 (Physical Geology) or Geology 110 (Physical Geography). Because of the importance of economic considerations to the environmental issues, many students include courses in economics among their upper level electives. Economics 101 (Principles of Microeconomics) and 102 (Principles of Macroeconomics) are prerequisites for these courses and are commonly taken during the first year. The new minor requires ENST 101 and courses from this list: Aquatic Ecology, Wetlands Ecology, Watershed Ecology, Philosophical History of the Environment, Environmental Sociology, or International Environmental Politics. Any would make good freshman year choices, and they are all listed in this guidebook under the appropriate department heading.

Description of Core Courses

ENST 101. Introduction to Environmental Science and Policy: Pollution, Ecosystems, and Biodiversity Fall (3) Fowler, Taylor, Hicks, Roberts, Ivanova. This team-taught interdisciplinary

course brings together perspectives and approaches to environmental problems from natural sciences, social sciences, and humanities. General lectures, discussion groups, and field experiences examine toxics and environmental justice, ecosystem management, and biodiversity.

For more information, please visit our website at <http://web.wm.edu/environment> or contact Professor John Swaddle at 221-2231 or jpswad@wm.edu.

Geology

The Department of Geology provides students with opportunities to investigate the Earth and the processes that shape it. Geologists study the structure, surface processes, materials, fossil record, and history of the Earth as well as geologic considerations of environmental issues. We are committed to involving students in fieldwork and research: in addition to field trips for specific courses, we also offer one departmental trip each semester. The Department of Geology offers three courses at the introductory level: Geology 101 (*The Dynamic Earth: Physical Geology*); Geology 110 (*Earth's Environmental Systems: Physical Geography*); and Geology 150 (*Freshman Seminar in Geology*). We will offer one section of GEOL 150 in the fall: *Extinction is Forever*. Geology 101 and 110 satisfy the GER 2A requirement. In addition, we offer one introductory laboratory course (Geology 160) that can be used to satisfy the GER 2 laboratory requirement; this course may be taken in conjunction with any of the three introductory courses. Students would normally take only one of the three introductory courses. The Department **strongly** encourages students who want to take one of the introductory courses to consider one or both of the other courses as an alternate selection for their first choice.

Students planning to major in geology commonly take Geology 101, 110, or 150 as well as Geology 160 in the fall and another Geology course in the spring of their first year; for example, Geology 322, The Sedimentary Record, Geology 323, Earth Structure and Dynamics, Geology 305, Environmental Geology, or one of the other spring Geology courses. We **strongly** encourage anyone with an interest in Geology to consult with Geology faculty members in the fall semester to discuss spring courses. We also encourage students to talk with faculty members about requirements for the Geology major and to learn about opportunities for field trips and pre-college outreach activities. All 200 and 300 level Geology courses require either Geology 101, 110, or 150 as a prerequisite. The Department offers a variety of courses, including Environmental Geology, Earth Surface Processes, Rock Forming Minerals, Hydrology, Watershed Dynamics, Paleontology, and Planetary Geology, for students who wish to continue the study of Geology.

For more information, please contact Dr. Brent Owens, Department Chair, at beowen@wm.edu or (757) 221-1813. The department webpage <http://web.wm.edu/geology> also has useful information about the faculty and programs in the department.

Introductory Courses

101. The Dynamic Earth: Physical Geology - (GER 2A) Fall and Spring (3) An investigation of the major features of the Earth and its materials and the interaction of the geologic processes active on the surfaces and in the interior of the Earth. Topics include volcanoes, rivers, glaciers, earthquakes, natural resources, and global change.

110. Earth's Environmental Systems: Physical Geography - (GER 2A) Fall and Spring (3) Introduction to the interactions between the Earth's environmental systems - the atmosphere, hydrosphere, biosphere, and solid earth. Emphasis will be placed on the relationship between the environment and the human condition.

150W. Extinction Is Forever. Fall (4) We will explore the causes and consequences of extinction in the fossil record and discuss whether the ongoing loss of species in modern environments qualifies as one of the major extinctions in the history of life. Topics to be covered include historical and philosophical views of extinction, asteroid impacts, the extinction of the dinosaurs, the Endangered Species Act, and conservation biology.

160. Investigating the Earth: Introductory Geology Laboratory (GER 2 Lab) Fall and Spring (1) Laboratory techniques in physical geology. Required field trips. Three laboratory hours. Investigating the Earth through exercises involving observations and interpretations of maps, minerals and rocks, groundwater and streams, coastal processes and earthquakes.

204. GIS in Earth and Environmental Sciences – Fall and Spring (3) This course will provide an introduction to using Geographic Information Systems (GIS) as a tool in Earth and environmental science and policy. Emphasis will be on hands-on application of GIS to create maps, to organize and visualize spatial data, and to query spatial data to elucidate answers to Earth and environmental questions.

305. Environmental Geology - Spring (3) The application of geology toward understanding the connection between human activities and the environment. Topics include climate change, flooding and water pollution, coastal processes, and natural hazard mitigation. Prerequisite: Geology 101 or 110 or 150.

Global Studies

The curriculum of the Faculty of Arts and Sciences provides for interdisciplinary majors in Global Studies (GBST), which include concentrations in African Studies, East Asian Studies, European Studies, Latin American Studies, Middle Eastern Studies, and Russian and Post-Soviet Studies. Through coursework on the culture, history, languages, literature, politics, and religions of major world regions, students explore the specificity of a given region, the ways in which global forces are realized in and through local contexts, and the interconnections between global regions. Global Studies is distinct from International Relations (INRL), which focuses on the study of economic, historical, and political relations among nation-states as well as the interactions between states, markets, and non-state actors (such as international organizations, non-governmental organizations, and multi-national corporations).

In general, a major in Global Studies includes courses from at least three departments. Detailed descriptions of the major programs are available in the Undergraduate Catalog, and students may contact Global Studies faculty advisors for additional information.

Majors in Global Studies include a modern foreign language component that exceeds the College's proficiency requirement. In most cases, proficiency at the third-year level is intrinsic to the major course work.

Students are strongly encouraged to seek opportunities for study abroad which complement their Global Studies major. With prior approval, most courses taken abroad may be applied to major or other requirements.

Introductory Courses for Global Studies Programs

African Studies

New Students: Please see the section on Africana Studies

Rising African Studies seniors: Please see the old AFS curriculum on <http://web.wm.edu/africanastudies>.

East Asian Studies

East Asian Studies offers extensive training in the languages, history, culture, and political economy of a world region distinguished by its ancient civilizations, revolutionary political change and economic dynamism. Suggested first semester courses include:

Chinese 101	Elementary Chinese
Japanese 101	Elementary Japanese
History 141	Survey of East Asian Civilization
Chinese 309	Survey of Chinese Literature in English
Japanese 309	Survey of Japanese Literature in English
Chinese/Japanese 280	East Asian Cultures through Film
Anthropology 342	Peoples and Cultures of East Asia
Government 336	Governments and Politics of China and Japan
Religious Studies 214	Buddhism (Fall 2006)
Religious Studies 215	Religion in East Asia (Spring 2007)

European Studies

A major in European Studies provides interdisciplinary exposure to Europe's history, culture, and politics, emphasizing both Europe's regional specificity and its historical and contemporary interactions with other global regions. The major prepares students culturally and linguistically for professions in the public and private spheres in the US and Europe, as well as for graduate study. Core courses are drawn from History, Art History, Classical Studies, Government and Modern Languages and Literatures, and students choose electives from these and other departments, including Economics, English, Music, Philosophy, and Religious Studies. Suggested first- and second-semester courses include:

Courses in a European language which offers courses above the 202 level

History 111 or 112	History of Europe to 1715/from 1715 (both are prerequisites for the European Studies major)
Art History 251 or 252	Survey or Art History I or II
Classical Civilization 207	Greek Civilization
Classical Civilization 208	Roman Civilization
Classical Civilization 217	Greek Art and Archaeology
Classical Civilization 218	Roman Art and Archaeology
For students who have AP or IB credit for History 111 and 112: any of the following	
History 241	Europe, 1815-1914
History 242	Europe, 1914-1945
History 243	Europe since 1945

Latin American Studies

The major in Latin American Studies features a detailed examination of the cultural, economic, historical, political, and social development of one of the world's most dynamic and diverse regions. Suggested first semester courses include:

Anthropology 314	Archaeology of Mesoamerica
Anthropology 330	Caribbean Cultures
Anthropology 338	Native Cultures of Latin America
Government 203	Introduction to Comparative Politics
Government 338	Latin American Politics and Government
History 131/132	Latin American History
Hispanic Studies 151	Freshman Seminar
Hispanic Studies 207	Cross-Cultural Perspectives
Hispanic Studies 208	Fundamentals of Literary Criticism (Pre-Requisite: four years of high school Spanish)
Hispanic Studies 303	Latin-American Literature of the Colonial Period*
Hispanic Studies 304	Latin American Literature from the Colonial Period to the Present*

*Students must have permission of instructor or placement by Achievement Test score.

Middle Eastern Studies

A major in Middle Eastern Studies provides interdisciplinary exposure to the diverse Middle East through the study of religion, history, politics, literature, fine arts, archaeology, and Arabic, the primary language of the region. Suggested first semester courses include:

Arabic 101	Elementary Arabic
Arabic 309	Survey of Arabic Literature in Translation
Government 339	Middle Eastern Political Systems
History 171	The Modern Middle East (1500-1800)
Religious Studies 212	Introduction to Islam

Russian and Post-Soviet Studies

The major in Russian and Post-Soviet Studies offers exposure to the diverse literature, history, politics, and economics of Russia, the former Soviet Union, and Eastern Europe. It also examines the rapid changes reshaping this major world region. Students in the major must develop working knowledge of the Russian language, and thus should enroll in an appropriate Russian language course in their first semester at the College (Russian 101 for those students who have no prior knowledge of the language). Suggested first- and second-semester courses include:

Russian 101	Elementary Russian (or continue Russian at appropriate level given high school coursework)
Russian 250	Russian Myths and Legends
Russian 380	Russian Cinema
Russian 387	19 th Century Russian Literature in Translation
Economics 101	Principles of Microeconomics
Economics 102	Principles of Macroeconomics (Prerequisite Econ 101)
Government 150	On Russian or East European Topic
Government 334	The Politics of Russia
History 150	On a Russian or East European Topic
History 377	Russia to the End of the 18 th Century
History 378	Modern Russia

Minors. In Global Studies, students may complete a minor in African Studies, East Asian Studies, Japanese Studies, Latin American Studies, Middle Eastern Studies, or Russian and Post-Soviet Studies.

Government

The Department of Government provides students with opportunities to investigate political phenomena ranging from the behavior of the individual citizen to relations among states in the international arena. The program develops awareness of the moral and ethical implications of political action as well as an understanding of political institutions and processes from an empirical perspective. The Department is committed to the importance of student writing.

Instead of a single introductory course, there are introductory courses in several different areas identified by the Department. These are not sequential, so a freshman should choose one on the basis of interest and experience. Government 201, 203 and 204 are all required for Government majors.

For more information, please contact the department at (757) 221-3020 or cmclm@wm.edu.

Introductory Courses

150W. Freshman Seminar - Fall and Spring (4) See separate listing for description of course(s).

201. Introduction to American Government and Politics - Fall and Spring (3) An introduction to the American political system, its institutions, and processes.

203. Introduction to Comparative Politics - (GER 3) Fall and Spring (3) An introduction to the comparative analysis of political systems in different nations, including political process such as socialization and participation in political institutions such as party systems and legislatures.

204. Introduction to International Politics - (GER 3) Fall and Spring (3) An introduction to the theory and practice of international politics, including the international system of states and the basis of national power.

350. Introduction to Public Policy - Fall and Spring (3) An introduction to the dynamics of the policy-making process in national government.

History

Students have considerable flexibility in selecting courses in history. The introductory courses are numbered 100 to 299. Students who score 4 or better on the AP examination in European History are exempt from History 111-112, and those who score 4 or better on the AP examination in American History are exempt from History 121-122. The topical courses listed under History 211-212 are especially designed for students who are exempt from History 111-112 or 121-122 and who wish to take more history at the lower-division level. Such students may also wish to consider History 131, 132, 141, 142, 161, 171, 172, 181, 182, 183, 191, and 192, or other courses at the 200 level.

Courses at the upper-division level are more specialized than at the lower, but normally do not have prerequisites. If there is any uncertainty whether to enroll in an upper-division course, consult the instructor or the Director of Undergraduate Studies in History beforehand.

For more information, please contact the department at (757) 221-3720. The department webpage (<http://web.wm.edu/history/>) also has useful information about the faculty and programs in history.

Introductory Courses

111. History of Europe to 1715. (GER 4A) Fall (3) Staff

An introduction to Western civilization with emphasis on European political, economic, social and cultural developments and their influence in shaping our contemporary world. Students will be encouraged to examine fundamental trends and the uses of the historical method.

112. History of Europe since 1715. (GER 4A) Spring (3) staff

An introduction to Western civilization with emphasis on European political, economic, social and cultural developments and their influence in shaping our contemporary world. Students will be encouraged to examine fundamental trends and the uses of the historical method.

121. American History to 1877. (GER 4A) Fall (3) Staff

An introduction to the history of the United States from its origins to 1877. Topics include the development of the American colonies and their institutions, the Revolution, the creation of the federal union, the people of America, the Civil War and Reconstruction.

122. American History since 1877. (GER 4A) Spring (3) Staff

An introduction to the history of the United States from 1877 to the present. Topics include major political, social and economic developments since 1877, overseas expansion, the two world wars, the Cold War and the post-Cold War era.

131. Survey of Latin American History to 1824. (GER 4B) Fall (3) Konefal, Lane, Staff

The development of Latin America from Pre-Columbian times to 1824 with emphasis on the interaction of European, Indian and African elements in colonial society.

132. Survey of Latin American History since 1824. (GER 4B) Spring (3) Konefal, Lane, Staff

The development of Latin America from 1824 to the present, emphasizing the struggle for social justice, political stability and economic development.

141. Survey of East Asian Civilization to 1600. (GER 4B) Fall (3) Canning, Han

An introduction to the political, social and cultural history of East Asia to 1600.

142. Survey of East Asian Civilization since 1600. (GER 4B Spring (3) Canning, Han

An introduction to the political, social and cultural history of East Asia since 1600.

150W. Freshman Seminar. Fall and Spring (4,4)

A course designed to introduce freshmen to the study of history. Sections with a “W” designation enable students to fulfill the Lower-Division Writing Requirement. These courses may be repeated for credit if there is no duplication of topic. Priority given to freshmen.

161. History of South Asia. (GER 4B) Fall and Spring (3,3) Zutshi, Staff

Drawing on the latest multidisciplinary scholarship and visual materials on South Asia, this course examines the ancient, medieval, and modern history of the Indian Subcontinent. Themes include concepts of sovereignty, colonialism, nationalism, partition, religious identities, economic developments, and center-region disputes.

171. The Modern Middle East to 1800. (GER 4B) Fall (3) Rafeq

A historical review of the modern Middle East to 1800 that emphasizes political and socio-economic developments.

172. The Modern Middle East since 1800. (GER 4B) Spring (3) Rafeq

A historical review of the modern Middle East since 1800 that emphasizes the political and socio-economic changes of recent decades. Arab-Israeli conflict and the peace process as well as the Islamic revival will receive close examination.

181. African History to 1800. (GER 4B) Fall (3) LaFleur, Staff

A thematic approach to socio-economic and political change in Africa from early times to 1800. Emphasis is on African cultural heritage, state building, internal and external trade, and interaction with outside forces: Islam, Christianity and colonialism, as well as on Africa's most pressing problems of the time.

182. African History since 1800. (GER 4B) Spring (3) LaFleur, Staff

A thematic approach to socio-economic and political change in Africa since 1800. Emphasis is on African cultural heritage, state building, internal and external trade, and interaction with outside forces: Islam, Christianity and colonialism, as well as on Africa's most pressing problems of the time.

183. Introduction to the African Diaspora. (GER 4C) Fall or Spring (3) Vinson

This introductory course begins with the migrations of Africans to the Americas during the Atlantic Trade era, the development of new identities in their new societies and their continued connections to Africa.

191. Global History to 1500. (GER 4B) Fall (3) Bossenga, Lane, Staff

An introduction to the history of the world, with emphasis on civilizations, cultural diversity, global conflict and global convergence.

192. Global History since 1500. (GER 4C) Fall (3) Bossenga, Lane, Strikwerda, Staff.

An introduction to the history of the world, with emphasis on civilizations, cultural diversity, global conflict and global convergence.

211. Topics in History. Fall (3) Staff

A course designed especially for freshmen and sophomores who have taken AP European or AP American History in high school. (These courses may be repeated for credit if there is no duplication of topic.)

212. Topics in History. Spring (3) Staff

A course designed especially for freshmen and sophomores who have taken AP European or AP American History in high school. (These courses may be repeated for credit if there is no duplication of topic.)

215. The World of Thomas Jefferson. Fall or Spring (3) Wells

An examination of the life and times of Thomas Jefferson. Topics include the world of Jefferson's youth and the momentous issues that crystallized during the latter decades of the eighteenth century.

216. American History & Historic Sites. Fall or Spring (4,4) Whittenburg

American History & Historic Sites: Either “From the Founding of Jamestown through the American Revolution” or “From the American Revolution to the American Civil War.”. Classes meet ALL DAY at historic sites, museums, or archaeological excavations. This course satisfies the Major Computing Requirement. Please contact instructor for details and permission to enroll.

220. Williamsburg: Colonial and Revolutionary. Fall or Spring (3), Whittenburg, Richter
Early American history through the lens of the Williamsburg experience. Topics: politics, social structure, gender, religion, race, and the economy from the establishment of Jamestown in 1607 to the Middle Plantation settlement of the mid-1600s, the transfer of the capital from Jamestown to Williamsburg and the impact of the American Revolution on this city. (*For freshmen and sophomores with AP credit or exemption.*)

221. United States Women’s History, 1600 to 1877. (GER 4A) Fall (3) Meyer
This course is designed to introduce students to some of the main themes and issues of the field as it has developed in the past two decades. Primary themes in this course include: work, sexual/gender norms and values, women’s networks and politics, and how each of these has changed over time and differed for women from diverse cultures/communities. (Cross-listed with WMST 221) (*For freshmen and sophomores with AP credit or exemption.*)

222. United States Women’s History since 1877. (GER 4A) Fall and Spring (3,3) Meyer
This course is designed to introduce students to some of the main themes and issues of the field as it has developed in the past two decades. Primary themes in this course include: work, sexual/gender norms and values, women’s networks and politics, and how each of these has changed over time and differed for women from diverse cultures/communities. (Cross listed with WMST 222) (*For freshmen and sophomores with AP credit or exemption.*)

223. Pacific War. (GER 4C) Fall or Spring (3) Brown
This course examines the violent contact between Japan and the United States in the Pacific during World War II with a comparative focus on conceptions of race, honor, and national identity. The course employs primary and secondary sources, as well as films. This course satisfies the department’s computing requirement. (*For freshmen and sophomores with AP credit or exemption.*)

224. Southern Cultures: Field Holler to NASCAR. (GER 4A) Fall or Spring (3) Nelson
This class will explore one of the most repressive regions in the US: the Southern worlds of plantation, slave quarter, and hillbilly-hideout. How did blues and country music emerge? How did the literature of Faulkner, Ralph Ellison and Carson McCullers grow out of the South? How did stock car racing grow out of moon shining? (*For freshmen and sophomores with AP credit or exemption.*)

226. The American West since 1890. (GER 4A) Fall or Spring Fisher
The Trans-Mississippi West after the “closing of the frontier.” Topics include environmental change, economics, urbanization, race, class, gender, regional identity, and popular culture. (*For freshmen and sophomores with AP credit or exemption.*)

228. The United States, 1945-1975: Society, Thought, and Culture. Fall or Spring (3) McGovern
An exploration of the principal forces shaping the contours of American culture, society and thought in the pivotal first three decades after World War II. (*For freshmen and sophomores with AP credit or exemption.*)

230. History of Modern South Africa. (GER 4C) Fall or Spring (3) Vinson

This course provides a detailed examination of segregation and apartheid in twentieth century South Africa and charts the development and ultimate success of the anti-apartheid movement that led to the ‘miracle’ of a democratic South Africa. *(For freshmen and sophomores with AP credit or exemption.)*

231. The Global Color Line: U.S. Civil Rights and South African Anti-Apartheid Politics. (GER 4C) Fall or Spring (3) Vinson

This course examines the Civil Rights movement as part of a centuries-long tradition of black freedom struggles. The course also compares the Civil Rights movement with the South African anti-apartheid struggle and shows the close transnational relationship between African Americans and black South Africans. (Cross-listed with AFST 312) *(For freshmen and sophomores with AP credit or exemption)*

235. African American History to Emancipation. (GER 4A) Fall (3) Ely, Allegro, Staff

A survey of African American History from the colonial period to emancipation. (Cross-listed with AFST 306 and AMST 350) *(For freshmen and sophomores with AP credit or exemption)*

236. African American History since Emancipation. (GER 4A) Spring (3) Ely, Allegro, Staff

A survey of African American history from emancipation to the present. (Cross-listed with AFST 306 and AMST 350) *(For freshmen and sophomores with AP credit or exemption)*

237. American Indian History: Pre-Columbian and Colonial Period to 1763. (GER 4B) Fall and Spring (3,3) Fisher, Rushforth

A survey of American Indian history to 1763. *(For freshmen and sophomores with AP credit or exemption)*

238. American Indian History since 1763 (GER 4B) Fall and Spring (3,3) Fisher, Rushforth

A survey of American Indian history since 1763. *(For freshmen and sophomores with AP credit or exemption)*

239. Pan-Africanism: History of a Revolutionary Idea. (GER 4C) Fall or Spring (3) Vinson

This course surveys the history of Pan-Africanism, a global political movement that considers Africans and diasporic blacks to have a common history, present and future, often proclaiming an objective of African political, socio-economic and cultural self-determination and asserting a fierce pride in African history and culture. (Cross-listed with AFST 314) *(For freshmen and sophomores with AP credit or exemption)*

240. The Crusades (GER 4C) Fall (3) Daileader.

The history of the crusading movements during the Middle Ages. The course focuses on the changing nature of Christian-Muslim relations and on the Crusades’ cultural and geopolitical ramifications. Readings consist primarily of contemporary Latin, Greek, and Arabic sources (in translation). *(For freshmen and sophomores with AP credit or exemption.)*

241. European History, 1815-1914 (GER 4B) Fall (3) Benes, Staff.

From the Congress of Vienna to the start of World War I. Investigates the industrial revolution, liberalism, socialism, imperialism and the various contexts of World War I. *(For freshmen and sophomores with AP credit or exemption.)*

242. European History, 1914-1945 - (GER 4A) Spring (3) Benes, Staff

This course investigates World War I, German inflation and worldwide depression, fascism, the trajectory of World War II and the collapse of the old order in 1945. Attention is also given to the culture of modernism. *(For freshmen and sophomores with AP credit or exemption.)*

243. Europe Since 1945 (GER 4A) Fall and Spring (3,3) Koloski, Staff

Topical survey of Europe east and west since World War II. Includes postwar recovery, geopolitical tensions and the Cold War, imperialism, protest movements of the 1960s and 1970s, communism and its collapse, and a united Europe in theory and practice. *(For freshmen and sophomores with AP credit or exemption.)*

265. Postwar Japan (GER 4B) Fall (3) Han.

An examination of various aspects of post-World War II Japan. After an intensive look at politics and the economy, the course explores such topics as the popularity of new religions, changing attitudes toward sex and marriage, Japan's new nationalism, Japan's role in the larger Asian region and beyond, and the culture and life of Tokyo. Several documentaries and movies will be shown. *(Open to all students, including freshmen and sophomores with AP credit or exemptions.)*

270. Nation, Gender, and Race in South Asia – (GER 4B) Fall or spring (3) Zutshi, Staff

This course examines the often-interlinked roles and definitions of nation, gender and race, how these factors both undermined and reinforced British rule, and how they reshaped social relations in South Asia. Assignments include films, novels, memoirs, and travelogues. *(For freshmen and sophomores with AP credit or exemption.)*

280. West Africa since 1800 (GER 4B) Fall and Spring (3,3) Staff

Explores the survival of West Africans in ancient environments, subsequent challenges in trans-Saharan and Atlantic slave trade, colonial overrule, political independence, and ever-increasing globalization as well as relocation to rural America in the early Atlantic era and eventually to contemporary American cities. (Cross-listed with AFST 306) *(For freshmen and sophomores with AP credit or exemption.)*

Interdisciplinary Studies

The curriculum of the Faculty of Arts and Sciences includes interdisciplinary majors. Under this program, a student formulates an interdisciplinary major in consultation with a faculty advisor and the proposed major is submitted to the Committee on Interdisciplinary Studies for approval. The responsibility for formulating a sound academic program of interdisciplinary study lies with the student and the advisor. Normally, students pursuing an interdisciplinary major base their program upon a solid understanding of an established discipline. Programs for the more popular interdisciplinary majors have been formulated and are listed below:

Africana Studies (See page 22)

Environmental Science/Studies (See page 37)

Linguistics (See page 48)

Literary & Cultural Studies (See page 49)

Medieval & Renaissance Studies (See page 53)

Neuroscience (See page 61)

Women's Studies (See page 71)

Applications for interdisciplinary majors must be submitted to the Interdisciplinary Study Committee before the beginning of preregistration for the first semester of the student's senior year.

Requirements have been established for the following interdisciplinary minors:

Africana Studies
Biochemistry
Environmental Science and Policy
Film Studies
Italian Studies
Judaic Studies
Linguistics
Literary and Cultural Studies
Medieval and Renaissance Studies
Women's Studies

Note that self-designed minors are not available.

Application forms and detailed information concerning interdisciplinary study are available on the Charles Center website, web.wm.edu/charlescenter.

For more information, please contact the Charles Center at (757) 221-2460.

International Relations

International Relations (INRL) is an interdisciplinary major that involves the study of economic, historic, and political relations among nation-states. The curriculum also addresses the interactions between states, markets, and non-state actors (such as international organizations, non-governmental organizations, and multi-national corporations). The major in International Relations is distinct from William and Mary's Global Studies Program which focuses on the culture, history, languages, literatures, politics and religions of major world regions. Global Studies is profiled earlier in this document. Additional information about courses and faculty advising in International Relations is available at the program's website: www.wm.edu/internationalrelations.

Suggested first semester courses include:

Economics 101	Microeconomics
Economics 102	Macroeconomics
Government 204	Introduction to International Politics
Modern Languages:	Either continue with advanced courses beyond the 202 level or begin a second modern language at the 101 level.
History:	No prerequisite courses exist for upper-level History courses in the concentration. However, Global History (History 192) is a core course in International Relations and is a prerequisite for INRL 300, which is also a core course of the major. Introductory survey courses on American, European, African, East Asian, Latin American, Middle Eastern, or Russian history are recommended.

There is no minor available in International Relations. Due to the extensive prerequisites and requirements of the major, we strongly discourage students from pursuing a double major if they

are interested in International Relations. The International Relations major is designed to give students an interdisciplinary education, thus eliminating the typical justification for multiple majors.

Students are strongly encouraged to seek opportunities for study abroad that complement their International Relations major. With prior approval, most courses taken abroad may be applied to major or other requirements.

For more information about study abroad options, please contact the Reves Center for International Studies at (757) 221-3590 or visit their website at www.wm.edu/revescenter.

Kinesiology

A Kinesiology major prepares students for graduate school, medical school and a variety of occupations. An emphasis on disease prevention and health promotion in society is opening opportunities in a variety of health related areas including physical therapy, occupational therapy, physician's assistant, nurse practitioner, traditional and complementary medicine and nutrition. With the significant expansion of the fitness industry, there are many opportunities in Exercise Physiology, Sport Psychology, Geriatric Physical Education, Sports Communication, Sports Administration, Sports Marketing, Sports Management, and Wellness.

Students may take Kinesiology classes to fulfill GERs. Kinesiology 394 (Statistics and Evaluation) fulfills GER 1. Kinesiology 304/305 (Human Physiology with laboratory) and Kinesiology 350 (Nutrition) fulfill GER 2B. Kinesiology 340 (Motor Development) and 400 (Sport Psychology) fulfill GER 3. Kinesiology 493 (Philosophy of Kinesiology) or Kinesiology 393 (Health Ethics) fulfill GER 7.

For more information, please contact the department at (757) 221-2773.

Introductory Courses

204. Introduction to Kinesiology - Fall and Spring (3) An introduction to the study of human movement with emphasis upon historical, philosophical, sociocultural, physiological, biomechanical, and psychological aspects. Through discussion of contemporary issues this course provides an integrated set of general principles which are an appropriate preparation for further study in Kinesiology.

303. Human Anatomy – Fall, Spring, Summer (3). Prerequisites: BIOL 100, 203, 204 or instructor permission. Gross and histological study of the human organism with particular emphasis on the neuromuscular systems as related to human movement.

304. Human Physiology – Spring (3). Prerequisites: BIOL 100, 203, 204, or instructor permission. Detailed study of the manner in which different organ systems of the human body function.

322. Motor Learning – Fall, Spring (3) An introduction to the principles and concepts of acquisition and performance of physical skills. Factors and conditions affecting skill learning will be stressed. Emphasis will be placed on practical applications in the instructional setting.

Activity Classes

The Kinesiology Department offers physical activity courses. Kinesiology 100 (Wellness) carries two credits. Unlike other activity classes, Wellness is a graded course, not a pass/fail course; though the grade is not factored into your GPA. The Kinesiology Activity Program is diverse and caters to a wide variety of interests and physical aspirations. There is a wide range of outdoor activities, such as rock climbing, kayaking, canoeing, and skiing offered for those students with adventurous spirits.

Special Programs for Activity Credits

The Kinesiology Department offers several exciting off-campus courses during vacation times. Regular faculty members teach these courses and the required fees cover transportation from Williamsburg, lodging, equipment, and meals. The 2007-08 trips are as follows:

January Break-Ski/Snowboard Maine: Five days of lessons and unlimited skiing at one of New England's largest resorts, accommodation in a rustic village setting. Approximately \$750.00 plus ski rental and some meals.

Spring Break-Winter Camping in the Adirondacks: Introduction to the winter environment, including snowshoeing, cross country skiing, snow shelter construction, mountain climbing, and winter camping. Based at an outdoor education center on Raquette Lake. Total cost is \$475.

Linguistics

The major in linguistics requires 35 credit hours. Courses are to be selected by the student in consultation with an advisor on the Linguistics Committee (J. Martin, A. Reed, T. J. Taylor). A grade of C or better in English 303 will fulfill the major writing requirement. Each major must fulfill the computing proficiency requirement by earning a grade of C or better in the course designated by the student as the computing proficiency course within their program of study. The Linguistics Committee and the Director of the Charles Center must approve the designation of courses which fulfill the computing proficiency requirement. Each major is normally expected to select courses in accordance with the following plan:

Required Courses

ENGL 220/ANTH 204 Study of Language

ENGL 303 History of the English Language

ENGL 304 Generative Syntax

ENGL 307 Phonetics and Phonology

ENGL/ANTH 418 Language Patterns

ENGL 405/ANTH 412 Descriptive Linguistics

ENGL 406/ANTH 413 Language & Society or ENGL/ANTH 415 Linguistic Anthropology -- although both may be taken

Electives

ENGL 404/ANTH 411 Historical Linguistics

ENGL 400 Meaning and Understanding in Western Cultural Thought

ENGL 464 Special Topics in Linguistics -- may be repeated when topics vary

ENGL 474 Research Seminar in Linguistics

INTR 480 Independent Study

INTR 495-496 Honors Thesis

One semester of a non-Indo-European language or INTR 250 or 251 American Sign Language.

The student may propose other courses to count towards the major. Such choices will be approved on a case-by-case basis, depending on the Linguistic Committee's assessment of the overall coherence of the student's proposed major program. Examples of such courses include but are not limited to:

ANTH 440 Primate Cognition and Communication
FREN 410 French Philology
GRMN 406 History of the German Language
HISP 410 Modern Spanish Phonology and the History of the Spanish Language
MDLL 345 Methods in Teaching English as a Second/Foreign Language
PHIL 406 Philosophy of Language

Students with appropriate qualifications can pursue Honors work in linguistics. After approval of their program of study by the Linguistics Committee and the Director of the Charles Center, they will be enrolled during their senior year in Interdisciplinary Studies 495 and 496.

For more information, please contact the Charles Center at (757) 221-2460.

Literary & Cultural Studies

The program in Literary and Cultural Studies brings an interdisciplinary perspective to the study of culture. Students collaborate with an advisor to design an individualized and focused plan of study that includes courses from a range of departments and programs. Courses that involve more than one national literature are central to the program, as are those that explore the intersections of literature and theory. Moreover, students are encouraged to expand their definition of the “text” to include not just literature but also other media such as music, art, and cinema. Students are equally encouraged to take courses in related disciplines that help situate the creative text in terms of its cultural and historical contexts: thus, students concentrating in Literary and Cultural Studies can also count toward their major courses from departments that are not primarily oriented toward the study of literature and the arts, such as Anthropology, History, Philosophy, and Sociology.

English majors may include LCST 201, 301 and 302 in the first 36 credits of their major program, but must explicitly alert the Registrar’s Office that they wish these courses to count toward their English major.

Students can follow one of two tracks in fulfilling the major requirements for Literary and Cultural Studies:

Cultural Studies Track

This consists of two central components: first, a required sequence of core courses in Literary and Cultural Studies consisting of LCST 201 (Introduction to Literary and Cultural Studies), 301 (Theoretical Approaches to Literary and Cultural Studies), and 401 (Concentration Seminar); second, at least 27 additional credits chosen in close consultation with a member of the LCST Advisory Committee.

Film Studies Track

This permits students to use the College’s Film minor as the core of their Literary and Cultural Studies major. Students supplement the 18-credit Film minor (see the entry under Film in this Guidebook) with LCST 301, LCST 401, and at least 12-15 additional credits chosen in close consultation with a member of the LCST or Film Studies Advisory Committee.

More details about the major including course syllabi, updated information regarding new course offerings, and a list of current majors with their programs of study can be found on the Literary and Cultural Studies website <http://web.wm.edu/lcst/>.

Introductory Courses

201. Introduction to Literary and Cultural Studies - (GER 5) Fall and Spring (3) Introductory level course examining how literature and other forms of artistic expression (e.g., film and music) reflect, shape, and contest cultural values. (For the past several years, the specific topic dealt with in this course has been “Literary and Cultural Constructions of Crime”: readings have ranged from Greek tragedy and Dante to the detective novel, film noir, and gangsta rap. Recently, we have also added sections on “Vampires and Popular Culture” and “Analyzing Popular Music”).

Students pursuing the LCST Film Track must take (as a substitute for or complement to LCST 201) Film 150W/250, “Introduction to Film Studies.”

150W. Introduction to Film Studies – (GER 5) Fall (4) A freshman seminar in film as an independent aesthetic form, treating the formal and narrative components of film and briefly introducing students to the history of film and the comparison of films made in the United States with those made in other countries. This course satisfies the freshman writing requirement.

250. Introduction to Film Studies –(GER 5) Fall (4) An introduction to film as an independent aesthetic form, treating the formal and narrative components of film and briefly introducing students to the history of film and the comparison of films made in the United States with those made in other countries. Shares the same course content as Film 150W, but designed for students who have either 150W or 250 for the Film Studies minor; and they may not take both courses for credit.

Beyond Literary and Cultural Studies 201 and Film 150/250, relevant introductory courses will depend on the individual focus of the Literary and Cultural Studies major. Students should be sure to take prerequisites for upper level courses in their first few semesters.

Interested students should consult a member of the Literary and Cultural Studies Advisory Committee: Arthur Knight (Director/English/American Studies); Varun Begley (English); Simon Joyce (English), Colleen Kennedy (English); Rich Lowry (American Studies/English); Sasha Prokhorov (Modern Languages); Elena Prokhorova (Modern Languages); Ann Marie Stock (Modern Languages); Jennifer Taylor (MDLL-German); Laurie Wolf (Theatre); Sharon Zuber (English).

Mathematics

The Department offers a number of different courses that are often taken by incoming freshmen. Those with a possible career interest in mathematics, computer science, the natural sciences, or economics will want to pursue the main calculus and linear algebra sequence: Mathematics 111-112-211-212. These courses are prerequisite to most advanced courses in mathematics as well as to certain courses in physics and chemistry. Special versions of 111 and 112, called 131 and 132, are available for students interested in the life sciences.

Many students will fulfill the GER 1 requirement with a course taken in the Mathematics Department. There are four standard possibilities: Mathematics 104, an introduction to the elementary mathematics of airplane flight; Mathematics 106, an introduction to probability and statistics that does not require calculus; Mathematics 108, a course in applied calculus; Mathematics 111, the first semester of the main calculus sequence. In unusual circumstances, it may be

appropriate for a student to take Mathematics 112 without credit in Mathematics 111. Mathematics 112 also earns GER 1 credit. Admission to the School of Business requires credit for one semester of calculus. For this purpose, either Mathematics 108 or Mathematics 111 will suffice.

Neither Mathematics 104 nor Mathematics 106 has any formal prerequisite. Reasonable familiarity with high school algebra is ordinarily sufficient. Students who want to take Mathematics 108 should have a good understanding of polynomial and exponential functions. Mathematics 108 will cover a broader range of topics than is taken up in Mathematics 111, which focuses more on conceptual issues. In addition to the algebra skills mentioned for Mathematics 108, the high school background appropriate for enrollment in Mathematics 111 should include work in trigonometry.

Some students are concerned that they might be inadequately prepared for Calculus I (Math 108 or 111). To provide guidance to those students, the Department has posted a self-test for calculus readiness on its website.

This test may be taken anonymously at any time and immediate assessment is provided. This test assesses the broad range of skills needed for Math 111. Students aiming for Math 108 may ignore the part of the calculus readiness test that involves trigonometric functions. When taking the calculus readiness test, students should not ask themselves “Have I seen this kind of problem before?” Instead they should ask “Can I work this problem now?”

Beginning Calculus Format

Mathematics 108 is a 4-credit course. Students may use calculators for arithmetic and visualization but are expected to do algebra by hand.

Mathematics 111 and 112 are 4-credit courses. They will meet in lecture-discussion sections of about 35 students each for four hours each week. Much of the work in these two courses demands the use of a graphing calculator. The designated calculator for Mathematics 111 and Mathematics 112 is the TI-83 or TI-83 Plus. Students are free to employ a TI-85 or TI-86 or a graphing calculator made by another manufacturer. However, required programs and advice about keying syntax for these other machines may be unavailable from the department. In addition, the computer software package Matlab will be used in Mathematics 112, and is available on all campus public-access computers.

Advanced Placement Policy

An increasing number of students enter William & Mary with credit for beginning mathematics courses (Math 111, 112, 212). The rules for credit based on AP and IB (Higher Level) are:

AP Test Score	Credit	Next Course
AB = 4 or 5	Mathematics 111 (4 credits)	Mathematics 112
BC = 3	Mathematics 111 (4 credits)	Mathematics 112
BC = 4 or 5	Mathematics 111-112 (8 credits)	Mathematics 211 or 212 or 213

IB Test Score	Credit	Next Course
6 or 7	Mathematics 111-112 (8 credits)	Mathematics 211 or 22 or 213
5	Mathematics 111 (4 credits)	Mathematics 112

Transfer credit from other colleges and universities is handled by the Registrar.

Students with a strong background in high school calculus may skip Math 111 and register for Math 112 in their first semester. An incoming student interested in skipping one (or more) of the courses in the Math 111, 112, 212 sequence should contact the mathematics department (757-221-1873) for advising.

For more information, please contact the department at (757) 221-1873.

Introductory Courses

103. Precalculus Mathematics. Fall (3) A study of the real number system, sets, functions, graphs, equations and systems of equations, followed by a study of the trigonometric functions and their properties. This course is designed only for students intending to take Mathematics 108 or 111, and whose background is deficient in algebra and trigonometry. This course may not be applied towards a major in mathematics nor does it satisfy the GER 1 requirement. A student may not receive credit for this course after successfully completing a mathematics course numbered above 106.

104. Mathematics of Powered Flight. (GER 1) Fall and Spring (3) This course will illustrate the use of elementary mathematics as a crucial tool in understanding the external world. Problems dealing with wind, runway layout, maps, navigation, tires, luggage, air pressure, and other items of interest will consistently invoke real data. Students will employ a variety of computing aids: a flight simulator, an FAA wind analysis program and an NOAA routing analysis program as well as the symbolic language MAPLE. Neither physics nor mathematics beyond high school algebra is required. Not open to students who have successfully completed a mathematics course numbered above 210.

106. Elementary Probability and Statistics. (GER 1) Fall and Spring (3) Introduction to basic concepts and procedures of probability and statistics including descriptive statistics, probability, classical distributions, estimation, hypothesis testing, correlation, and regression, in the context of practical applications to data analysis from other disciplines. Not open to students who have successfully completed a mathematics course numbered above 210. Students who receive a score of 4 or 5 on the AP Statistics examination may not enroll in Math 106.

108. Brief Calculus with Applications. (GER 1) Fall and Spring (4). An introduction to the calculus of rational, exponential, and logarithmic functions, including some multivariable calculus, with applications to business, social and life sciences. Algebra proficiency required. Students may receive credit for only one of Mathematics 108, 111, or 131, and may not receive credit for Mathematics 108 after receiving credit for any mathematics course numbered higher than 108, with the exception of Mathematics 150. To use Mathematics 108 as a prerequisite for Mathematics 112, students need approval of the department chair.

111. Calculus. (GER 1) Fall and Spring (4) Standard functions and their graphs: linear, exponential, polynomial, trigonometric, logarithmic. Tangents, derivatives, the definite integral, and the fundamental theorem. Formulas for differentiation. Applications to physics, geometry, and economics. Proficiency in algebra and trigonometry is required. Those students who lack this preparation should take Mathematics 103 first. Credit is allowed for only one of Mathematics 108, 111 and 131.

112. Calculus. (GER 1) Fall and Spring (4) Prerequisite: Mathematics 111 or equivalent. Methods of integration. Applications of the integral to geometry, physics, and economics. Slope fields and the qualitative behavior of solutions to differential equations, sequences, and series. Taylor series. The

MAPLE software package is used in this course. Credit is allowed for only one of Mathematics 112 and 132.

131, 132. Calculus I and II (GER 1) These courses cover the same mathematical topics as Math 111 and 112, but the examples and applications studied are chosen from the life sciences. Credit is allowed for only one of Math 108, 111, and 131, and for only one of Math 112 and 132.

211. Linear Algebra. Fall and Spring (3) Prerequisite: Mathematics 112 or consent of the chair of the department. Linear equations, matrices, determinants, vector spaces, linear transformations, eigenvalues, orthogonality. Optional topics include least squares problems, matrix factorization, and applications. A computer lab using the software package Matlab may accompany the class.

212 and 213. Introduction to Multivariable Calculus. Fall and Spring (3, 4) Prerequisite: Mathematics 112 or consent of the chair of the department. Functions of several variables, surfaces with three-space vectors, techniques of partial differentiation, and multiple integration with applications. A software package such as MAPLE or Matlab is used in this course. Math 213 includes all of Math 212, plus additional topics and is recommended for students intending to major in Physics, Chemistry, or Mathematics. Credit is allowed for only one of Mathematics 212 and 213.

More advanced courses: Some students enter William and Mary with calculus and linear algebra already completed. For such students, Math 214 (Foundations of Mathematics) is a natural choice, but entering students should contact the department (757-221-1873) before requesting Math 214 or any other higher-numbered course.

Medieval & Renaissance Studies

The program in Medieval & Renaissance Studies allows students to study the culture of Europe from the fourth through the seventeenth centuries, and to do so by engaging with a wide variety of disciplines. By taking courses offered by many different departments, students can deepen their understanding of the Middle Ages and Renaissance while learning to think and to work in an interdisciplinary way.

For a complete list of the program's requirements for majors and minors, please consult the course catalog or the program's web page: www.wm.edu/mars.

Introductory courses: students with an interest in "Med-Ren" are encouraged to take freshman seminars that cover medieval or Renaissance topics – these seminars can be applied toward the major or minor. Such students are also encouraged to take introductory 100- and 200-level courses offered by those departments (Art History, Classical Studies, English, History, Modern Languages, Music, Philosophy and Religious Studies) that contribute to the program (for example, English 203, British Literature I, or Religious Studies 210, Introduction to the History of Christianity). Students who have placed into 300-level language courses are encouraged to take those that cover medieval and Renaissance subjects (such as German 301, German Literature from the Beginning to the Seventeenth Century).

For more information, please contact Professor Alison Beach, Director of the Program in Medieval and Renaissance Studies, Department of Religious Studies, 757-221-2179.

Military Science

Army Reserve Officers Training Corps (ROTC) is proud of its affiliation with the College of William & Mary. The Military Science Department's program and our credited courses provide a parallel path for the students to study while obtaining an academic degree. The studies are rigorous and, once completed, the student who attends ROTC will receive commission in the United States Army (Active Duty, Reserve, and/or National Guard up to an 8 year service obligation). The ROTC program offers 1 to 4 year **UNDERGRADUATE AND GRADUATE** scholarships in support of obtaining Bachelors, Masters or a second degree from the College of William and Mary. The benefits, listed below, provide a way for students to limit the financial hardships associated with obtaining a degree. While there are many programs/avenues to acquire funds, our program is unique because the ROTC instructors provide 4 years of leadership training, a future career and a way to leave the college or university with the debt many students acquire at the end of their collegiate studies. The College of William & Mary Army ROTC program can offer to qualified students who pass the medical and physical fitness tests and have a minimum GPA of 2.5 the current benefits.

What Military Science Offers:

1. Extensive leadership and management courses, which are applicable both to civilian industry and military service.
2. Opportunities to participate in leadership and confidence-building activities such as land navigation, adventure training, marksmanship, field training exercises and physical training.
3. Future undergraduate, graduate, and doctoral level studies requiring funding in medicine, psychology (clinical), nursing, law, dental, business, education and other undergraduate/graduate educational fields.
4. Opportunity to study abroad in support of curriculum major.
5. Ability to compete and earn prized Army schools that include Air Assault and Airborne training as a contracted Cadet.

Military Science Studies Results:

1. A military career overview/opportunity that serves the United States and its citizens. Military officers have seen a jump in prestige since 2001, ranked 5th in most prestigious careers – tied with physicians – by U.S. News and World Report (2009). Starting compensation package exceeds \$52K (OSD website <http://www.defenselink.mil/militarypay/pay/calc/>) with additional incentives of 30 days paid vacation, federal holidays, paid medical and numerous other benefits. Compensation exceeds \$83K in four years (2009 dollars).
2. Obtain governmental Secret security clearances that enhance employment within the government upon completion of collegiate studies.
3. Advanced education is a goal for most Army officers. Many officers are selected to pursue full-time studies toward a masters or doctoral degree through programs paid by the Army. Multiple programs exist; four of the more known programs include:
 - a. Law school, the Fully Funded Legal Education Program (FLEP). The Judge Advocate General's Funded Legal Education Program selects officers each year to attend a regular course of instruction leading to a Juris Doctor (J.D.) or Bachelor of Law (LL.B.) degree at an approved civilian law school. The programs are provided at government expense.
 - b. Training with industry (TWI) program. The TWI program integrates an officer into a civilian organization, approximately one year, that provides knowledge, experience and perspective in management and operational techniques that are

- concentrated in the areas of artificial intelligence, aviation logistics, communications -electronics, finance, marketing, ordnance, physical security, procurement, public affairs, research and development, systems automation and transportation.
- c. Fully funded graduate school that the officer wishes to attend, usually in the 7th to 10th year of his or her military career, with full pay and benefits.
 - d. Medical, clinical psychology, dental and other medical programs that can exceed \$750K in benefits over the term of the medical program from undergraduate to receiving the medical license.

Scholarships:

Undergraduate and graduate funded contracted student scholarship programs (freshman to senior and graduate students). Newly enrolled freshmen through seniors may apply for four, three, two and one year scholarships. These scholarships are awarded by the Military Science Department at the Western Union Building. The contracted scholarships may encompass:

1. Paid FULL TUITION AND FEES OR room and board (in-state and out-of-state).
*Incentives can exceed \$142,000 over a 4-year collegiate program!
2. \$1,200 a year book payment (bi-annual deposit).
3. Cadet annual stipend (\$3,000-\$5,000, non-taxable)
4. Foreign language studies monthly incentives (\$100-\$250 per month)
5. Scholarship students/cadets must be contracted (a first-year freshman student may decline the ROTC program prior to his or her sophomore with no obligation).
6. Simultaneous Membership Program with the United States Army Reserve or National Guard which provides additional monies to the student.
7. Other loan repayment incentives upon entry into active duty (up to \$60,000, addition obligation required)
8. Choice of duty assignment and military specialty assignments upon commissioning
9. Leadership training evaluation programs in Washington State (Fort Lewis) and Kentucky (Fort Knox).

Books and Uniforms:

The Department of Military Science provides required uniforms and equipment that are worn during military activities. The department also provides course materials and texts to students free of charge for MLSC 101, 102, 201, and 202.

Requirements for Enrollment

Any full-time freshman or sophomore student not already holding a commission in any of the Armed Forces may enroll in the Basic Courses. Students who have had prior military service or who have completed courses in another ROTC program may be granted placement credit. Students may attend Basic Camp or Leadership Training Course (LTC) in lieu of taking the Basic Courses.

Introductory Courses

(Note: Eight of the eight Military Science credits count toward the 120 credits needed for graduation. The remaining four credits will appear on the student's official transcripts.)

The Military Science Curriculum includes Basic Courses and Advanced Courses. The Basic Courses introduce students to the fundamentals of leadership and management while they learn about the opportunities and prospects of ROTC and commissioned service. After completing the

Basic Course, students who have agreed to seek commission as officers in the United States Army may enroll in the Advanced Courses.

Students incur no obligation to the military by participating in freshman or sophomore Military Science and Leadership courses while qualifying for the Advanced Program (except for Army scholarship students). The Military Science Basic Courses designed for freshmen and sophomores are MLSC 101, 102, 201, and 202. All cadets participate in the Leadership Laboratory in the basic courses; freshmen and sophomores enroll in MLSC 103 and MLSC 203, respectively.

MLSC 101. Foundations of Officership. Fall (1) Corequisite: MLSC 103 (Leadership Lab)
The course curriculum introduces William & Mary students to the Army's value system, military structure, leadership and core competencies that are critical central to a commissioned officer's success in the officer profession. Establish framework for understanding officership, leadership, and Army values followed and "life skills" such as physical fitness and time management.

MLSC 102. Basic Leadership.. Spring (1) Corequisite: MLSC 103 (Leadership Lab)
The course curriculum Establishes the foundation of basic leadership fundamentals such as problem solving, communications, briefings and effective writing, goal setting, techniques for improving listening and speaking skills, and an introduction to counseling.

MLSC 201. Individual Leadership Studies. Fall (1) Prerequisite: MLSC 101/102 or equivalent. Corequisite: MLSC 203. Students identify successful leadership characteristics through observation of others and self through experiential learning exercises. Students record observed traits (good and bad) in a dimensional leadership journal and discuss observations in small group settings.

MLSC 202. Leadership and Teamwork. Spring (1) Prerequisite: MLSC 201. Corequisite: MLSC 203. Study examines how to build successful teams, various methods for influencing actions, effective communication in setting and achieving goals, the importance of timing the decision, creativity in the problem solving process, and obtaining team buy-in through immediate feedback.

For more information, please contact Lieutenant Colonel/Associate Professor of Military Science Jay Popejoy at (757) 221-360/3611 or by cell phone contact is (757) 879-8611. The Military Science Department is located in the Western Union Building adjacent to Sorority Court (125 Richmond Road, Williamsburg, VA 23185).

Modern Languages & Literatures

There are eight modern languages presently taught in the Department: Arabic, Chinese, French, German, Italian, Japanese, Russian and Spanish. In addition, each language section offers courses in literature, culture and cinema, some of which are taught in translation and open to students without any prior study of the language. While majors within MDLL are offered in Chinese, French, German and Hispanic Studies, students may also minor in French, German, Italian, Japanese, Russian and Hispanic Studies. N.B. Students interested in concentrating or minoring in East Asian, Middle Eastern, European or Russian and Post-Soviet Studies should consult the section on International Studies.

Incoming freshmen starting a new language would take 101 in the fall and 102 in the spring. No prior experience is presumed in 101. All beginning classes emphasize active command of the

language, including reading, speaking, listening, writing and culture and include five hours in class per week.

Students continuing the study of languages begun prior to their matriculation at W & M should review carefully the placement guidelines in section II of this Guidebook. Questions about appropriate courses should be addressed to the coordinators of the appropriate language section. Students who took AP or IB exams in one or more modern language and earned scores of 3 or better will be given both credit hours and placement into upper level courses if they choose to continue. Since AP scores may arrive late in the summer, faculty advisors or language section coordinators will help incoming freshmen enroll in these 200 and 300 level courses after they arrive.

Language Section Coordinators for 2009-2010

Language	Section Coordinator	Email Address
Arabic	John Eisele	jceise@wm.edu
Chinese	Yanfang Tang	yxtang@wm.edu
French	Giulia Pacini	gxpaci@wm.edu
German	Jennifer Taylor	jltay1@wm.edu
Hispanic Studies	Silvia Tandeciarz	srtand@wm.edu
Italian	Anita Angelone	aangelone@wm.edu
Japanese	Rachel DiNitto	rxdini@wm.edu
Russian	Alexander Prokhorov	axprok@wm.edu

A word of advice: If you need to complete your language requirement at William and Mary or if you plan to continue with the study of a foreign language or literature, you should seriously consider starting right away. Not only will you not forget much of what you have learned in high school, but starting early will allow you to take more advanced courses in language, literature or culture. Remember: the foreign language requirement at William and Mary is a minimum proficiency requirement. If you want to develop your language skills to the point where you can realistically use them, you will need to continue beyond the 202 level.

Two types of Freshman Seminars are offered in MDLL. Freshman Seminars numbered 150 are taught in English for students interested in a particular culture and require no prior study of the language or culture, while Freshman Seminars numbered 151 are taught in the target language for those who have a solid background in the particular language. In Fall 2009 and Spring 2010, the following Freshman Seminars will be offered:

French 150W. Freshman Seminar (in English) Intended for freshmen who wish to satisfy the freshman writing requirement with the exploration of a specific topic in literary or cultural studies.

Topic for Spring 2010: Topic will be announced by the French Section in Fall 2009.

German 150W. Freshman Seminar, Topic for Fall 2009: *The Berlin Wall in Literature and Film* This course is designed to get students thinking and writing about the significance of the Berlin Wall in German and world literature, film and history. What did East German writers such as Stefan Heym have to say about the wall? What role(s) did it play in West German literature and art? Does the wall or the idea of the wall still have cultural relevance today? As Americans begin to build their

own fence on the Mexican border, we will look at the ramifications of the Cold War and its famous wall.

Hispanic Studies 150W. Freshman Seminar, Topic for Fall 2009: *Ethical Fashion*

The fashion industry is a global enterprise that employs some 26.5 million people worldwide (many of whom do not receive living wages), relies on dangerous chemicals to produce textiles for clothing, further exhausts limited fossil fuels to sustain its supply chains, and promotes excessive consumption. While global in its overall focus, this course highlights cultural responses and creative designs in the Americas. Readings will focus on sustainable design practices, industry standards (organic, fair trade, recycling issues), cultural policy studies, representations of gender and labor. Community based research and outreach in the areas of cultural analysis, policy, and education, with the potential to engage both local and international settings. While knowledge of Spanish will facilitate one's research, this course is taught in English. Open only to students in the Sharpe Community Scholars Program.

Hispanic Studies 151. Freshman Seminar, Topic for Fall 2009: *Understanding Self and Identity through the Literatures of Multi-ethnic Engagement*

This course will focus on notions of identity construction, how we come to be who we are, why we believe what we believe and how we fashion an identity which is based on critical introspection. It does so by exploring the specific experiences of Latinos in the U.S. alongside other ethnic and cultural groups. In many ways the class will be a comparative ethnic studies class grounded primarily in Latino Studies. We will focus on the framework of Border Theory to make connections between Latina/o groups, showing both similarities and differences. This will be compounded by our efforts to understand the structural and experiential connections which Latinos have with the various ethnic groups which make up the U.S. To this end, we will study historical and literary sources by African-American writers, Asian-American writers and Anglo writers. We will read novels, short stories, poems, history, and theoretical essays and will also watch several films in order to examine the politics of representation, asking how artistic texts define community and individual identities that are coherent yet also embody the complexity of these identities. What models of identity do these artists propose in response to structures of domination?

Hispanic Studies 151. Freshman Seminar, Topic for Fall 2009: *Empire , Ventriloquism, Resistance: Imagining the Early Modern Hapsburg Empire.*

This course examines varied cultural artifacts and practices (texts, visual artifacts, theatrical representations) which revolve around the formation of the Hapsburg transatlantic empire in the early modern period. Throughout the semester, we will focus on the (self-)representation of both hegemonic and subaltern agents on both Atlantic shores as political strategies to symbolically found, adhere to, or resist the Hapsburg monarchy. This course focuses on the following questions: (1) how do hegemonic agents symbolically found a community and produce subalterns? (2) how are the representations of the subalterns made to "speak" in order to serve varying political agendas? (3) to what extent are the Empire's "others" able to dissent and "speak back"? *Taught in Spanish.*

Other Introductory Courses

French 210. Introduction to Writing and Reading in French. Francophone readings of texts and movies from France and from outside France with a continued development of all oral and written language skills.

French 212. Cross-Cultural Perspectives. (GER 4C) An introduction to comparative cultural studies of the Francophone world. An exploration of the rich cultural exchange among Francophone

communities with an emphasis on their geographical, historical and social contexts. Sustained attention to oral and written expression.

German 207. Introduction to German Cultural Studies. (GER 4A, 5) Introduction to the methodologies of German Studies. Will examine the construction of culture and the ways it is studied.

Hispanic Studies 206. Upper-Intermediate Conversation. A course beyond the College's foreign language requirement stressing the cultural and linguistic notions of oral discourse in developing communicative ability in the language. Practice in simulated foreign cultural contexts through discussion and student presentations on themes in contemporary Hispanic life. Recommended for students with 4 years of high school Spanish.

Hispanic Studies 207. Cross-Cultural Perspectives: The U.S. and the Spanish-speaking World. (GER 4C) An introduction to the Hispanic cultures of Latin America, Spain and the United States that stresses oral and written discourse and grammatical and cultural competence. Practice in the writing of analytical essays on cultural themes. Taught in Spanish.

Hispanic Studies 208. Fundamentals of Literary Criticism. (GER 5) An examination of selections of Hispanic literature to develop an understanding of methods of evaluating literary works. Taught in Spanish. Recommended for students with 5 years of high school Spanish.

Chinese and Japanese 280. (GER 4B) East Asian Cultures Through Film. This is an introduction to Asian cultures through the films of China, Taiwan and Japan. The class takes a cross-cultural approach by looking at various social, political and cultural themes as they vary across time and across Asian countries. Taught in English.

Russian 250. Russian Myths and Legends (GER 4A, 5) Taught in English. An introduction to Russian culture from Russia's beginnings to the present. Multimedia lectures and class discussions will focus on the most significant genres and aspects of Russian culture (fairy tales, songs, folk art, etc.).

Department of Music

The curriculum of the Department of Music is designed for students with a wide range of musical interests: students with no previous musical experience, students interested in a liberal arts program with a major in music, and students preparing for graduate work in music composition, music history, ethnomusicology, performance, or music theory. Students are encouraged to approach the discipline from the broad conceptual framework of a liberal arts environment.

The Department of Music offers a variety of introductory courses, many of which are offered every semester. (Please refer to the course descriptions below for the semester in which courses are offered.)

Students are encouraged to audition for any of the ensembles. Large ensembles include: Wind Symphony, Orchestra, Choir, and Chorus. Small ensembles include: Botetourts, Jazz, Brass, Woodwind, String, Percussion, Guitar, Mixed (The Gallery Players), Middle-Eastern, Opera Workshop, Jazz Combo, Applachian Music, Performance Art, Saxophone, Early Music and Indonesian Gamelan.

Individual instruction in music performance is offered in woodwinds, brass, percussion, voice, piano, organ, harpsichord, harp, bowed strings, plucked strings, and jazz improvisation. Lessons are given on the basis of a half-hour private lesson once a week for one credit per semester with the expectation of one hour of daily practice. Lessons that meet once a week and last one hour are also available for 2 credits with the expectation of 2 hours of daily practice. Each course may be repeated for credit. Group classes for beginning students are offered in piano, guitar, and voice. These classes generally meet three times per week. An additional fee of \$365.00 per credit is charged for both lessons and group classes.

For more information, please contact the department at (757) 221-1071 (for academic courses) and 221-1073 (for private lessons).

Introductory Courses

101. Introduction to Tonal Theory - Fall and Spring (2, 2) No prerequisites. The staff, clef, key signatures, scales, intervals, triads, meter signatures, rhythm, and the notational conventions of Western music. May not be included in the Music major or minor. Students who have earned 4 or 5 on the AP Music Theory exam are exempt from this course; students may also attempt exemption by taking a placement test.

150W. Freshman Seminars - Fall and Spring (4, 4) Various special topics. See separate listing for descriptions.

201. Tonal Theory I - Fall and Spring (4, 4) Prerequisite: Music 101, successful completion of the 201 placement exam, a score of 4 or 5 on the AP Music Theory test, or instructor permission. Students with AP scores of 4 or 5 are encouraged to attempt placing into Music 202. This course introduces basic concepts and techniques of 17th and 18th century European compositional practice. By mastering the traditional chorale-style method, the student gains a working knowledge of tonal function and voice-leading. Aural skills such as sight singing and melodic dictation are emphasized.

213. History of Western Music - (GER 4A, 5) Fall and Spring (4, 4) No prerequisites. A survey of the music of Western culture from its origins in plainchant through Medieval, Renaissance, Baroque, Classic, Romantic and modern periods, including important composers, compositions, and the ideas that influenced them. No previous musical training required.

241. Worlds of Music - (GER 4B) Fall (4) No pre-requisites. This course introduces students to musical cultures of the non-Western world. Topics include: native concepts about music, instruments, aesthetics, genres, relationship to community life, religion, music institutions, and patronage. Course goals will be to develop skills useful for a cross-cultural appreciation and analysis of music, and to bring questions about music into the domain of the humanities and social sciences. (cross-listed as ANTH 241)

271. American Popular Music – (GER 4A, 5) Spring (4) No prerequisites. This course treats the traditions of vernacular music in the United States, specifically those commonly known as religious, popular, folk, jazz, rock, and country. It will survey the literature of these musics' expression and consider questions of cultural meaning. (Cross-listed as AMST 271)

273. Jazz – (GER 4A, 5) Fall (4) No prerequisites. A survey of jazz from its origins to the present, focusing on influential improvisers and composers, issues of race and gender, commerce and criticism, and development of listening skills. (cross-listed as AMST 273)

281. Introduction to Computer Music and Electroacoustics – (GER 6) Fall (4) No prerequisites. This course presents an introductory survey of digital technology in today's musical world. Students will gain exposure to key facets of the varied history, thoughts and techniques at work in the creation of contemporary electronic art music. The class will explore basic concepts of digital sound synthesis, recording, editing, processing, interactivity, multimedia and introductory programming through class demonstrations, hands-on lab time and assigned creative projects. Students will learn to use various software in the Swem Media Center, including Pro Tools, Digital Performer, Hyperprism and Max/MSP/Jitter, among others. This course also provides an introduction to the aesthetics of computer music in the Western art music tradition. Students will critically listen to, write about and discuss major historical works and composers in both analog and digital electronic media. Finally, students will gain familiarity with current issues and theories in digital art through reading and discussion of recent publications.

Neuroscience

Neuroscience is a rapidly growing interdisciplinary field concerned with understanding the relationship between brain, mind, and behavior. Several fields including biology, psychology, chemistry, physics, mathematics, and computer science, are integrated within Neuroscience. William and Mary students who major in Neuroscience take courses in many of these fields, and all have one thing in common – a fascination with how the brain works. Although the discipline of neuroscience is over 100 years old, it has experienced dramatic growth and interest during the last 40 years. A former president of the United States designated the 1990's the "Decade of the Brain" in recognition of the importance of neuroscience research for the well-being of the nation. The year 2000 marked the beginning of the "Decade of Behavior," designed to increase public awareness and understanding of the importance of behavioral science research to health.

Neuroscience is a formalized program within the interdisciplinary studies major. Neuroscience is as good as any other liberal arts major for those interested in entering the workforce immediately after graduation, though many Neuroscience majors go on to pursue graduate or professional programs. Majoring in Neuroscience provides a good background for master's or PhD programs in a variety of disciplines, such as neuroscience, physiology, and pharmacology, among others. Additionally, many students find that neuroscience is an excellent preparation for medical or dental school.

Students must declare a major in Neuroscience before the beginning of preregistration for the first semester of their junior year by contacting the Neuroscience Director (J. Griffin Biology) or the Associate Director (P. Hunt, Psychology). A major in Neuroscience requires a minimum of 35 credit hours (plus 18 credit hours in prerequisites) as follows:

- a) BIOL 345 (Neurobiology)
- b) CHEM 307 or 209 (Organic Chemistry II)
- c) CHEM 308 (General Chemistry II) or 305 (Inorganic Chemistry)
- d) PHYS 101 or 107 (General Physics I)
- e) PHYS 102 or 108 (General Physics II)
- f) PSYC 313 (Physiological Psychology)
- g) One of the following courses: KINE 304 (Human Physiology), BIOL 432 (Animal Physiology), or PSYC 317 (Sensation and Perception)
- h) At least four additional courses must be completed. One of these must be chosen from the Behavioral Neuroscience group (BIOL 410 Animal Behavior, KINE 322 Motor Learning, PSYC 302 Experimental Methods, PSYC 311 Cognitive Psychology, PSYC 315 Foundations of

Learning and Memory, PSYC 413 Research in Physiological Psychology, PSYC 415 Comparative Psychology, PSYC 445 Psychopharmacology, PSYC 447 Cognitive Neuroscience) and one must be chosen from the Cell/Systems Neuroscience group (APSC 431 Applied Cellular Neuroscience, APSC 432 Applied Systems Neuroscience, APSC 451 Cellular Biophysics and Modeling, APSC 452 Networks in the Brain and Biology, BIOL 404-01 General Endocrinology, BIOL 404-02 Molecular Neurobiology, BIOL 404-03 Developmental Neurobiology, BIOL 406 Molecular Cell Biology BIOL 433 Developmental Biology, BIOL 442 Molecular Genetics, BIOL 447 Neurophysiology, CHEM 417 Neurochemistry, KINE 450 Cardiovascular Physiology, KINE 485 Cellular and Biochemical Effects of Exercise). The remaining two courses can be chosen from either group. One course may consist of 3 credits of research under the direction of a Neuroscience faculty member (APSC 401/402, BIOL 403, CHEM 409, KINE 480/481, PSYC 491).

Prerequisites include: BIOL 203 (Principles of Biology I), BIOL 204 (Principles of Biology II), CHEM 103 (General Chemistry I), CHEM 206 (Organic Chemistry I), PSYC 201 (Introduction to Psychology as a Natural Science), and one of the following statistics courses: KINE 394 (Statistics and Evaluation), MATH 106 (Elementary Probability), or PSYC 301 (Elementary Statistics). The major writing requirement may be satisfied by taking one of the writing-intensive elective courses (BIOL 433, CHEM 417, PSYC 302, PSYC 413, or PSYC 415) or completing a major writing project with a Neuroscience faculty member. Alterations in the prescribed curriculum may be petitioned to the Committee on Honors and Interdisciplinary Studies.

Philosophy

Since most students will not be familiar with philosophy prior to their tenure at William & Mary, we offer a brief description of the subject along with a few reasons for taking a Philosophy course. Philosophy is often characterized as a search for answers to fundamental questions of knowledge, reality, and value such as: Can the existence of God be proven? Is there an objective basis for moral judgments or are they relative? What is the nature of the self? Unlike scientists, who appeal to experiments to support their theories, and theologians, who may appeal to sacred texts, philosophers appeal to reasoned arguments.

The study of different answers to such questions acquaints one with some of the great thinkers who have shaped our cultural heritage, broadens one's perspective, and aids one in thinking critically about these and many other questions. The study of philosophy has therefore been found to be useful both in everyday and professional contexts. The critical thinking and writing skills gained are especially helpful as a preparation for law school, business school, divinity school, journalism, and many other careers as well.

The two courses in philosophy that would be especially appropriate for freshmen are Philosophy 201 and 210. Other courses can be taken without a prerequisite.

For more information, please contact the department at (757) 221-2735.

Introductory Courses

150W. Freshman Seminars - (GER 7) Fall (4) See separate listing of course(s) available.

201. Introduction to Philosophy - (GER 7) Fall and Spring (3) An introduction to the problems, methods and scope of philosophical inquiry through readings from historical and contemporary

sources. Typically, the readings include at least one dialogue of Plato, the Meditations of Descartes, and usually selections from other philosophers.

210. Introduction to Critical Thinking – (GER 7) Fall and Spring (3) A survey of formal and logical techniques with emphasis on their practical applications and historical significance. Among the techniques studied are syllogistic logic, informal fallacies, and induction.

215. Contemporary Moral Issues - (GER 7) Fall and Spring (3) A course focused on particular moral issues facing contemporary society and the ethical arguments provoked by them. Topics discussed in the course may include, among others, abortion, euthanasia, hate speech, capital punishment, surrogacy, genetic engineering, war and nuclear arms.

301. Symbolic Logic - Fall and Spring (3) An introduction to the principles of valid reasoning. Special emphasis will be given to modern symbolic techniques and some of their applications.

303. Ethics - (GER 7) Fall and Spring (3) An introduction to the problems of ethics and the nature of ethical reasoning. Included are historically important topics such as hedonism, egoism, utilitarianism, and relativism. Contemporary moral issues such as abortion, euthanasia, and civil disobedience will also be addressed.

320. Philosophy of Feminism – (GER 7) Fall or Spring (3) This course examines two ways philosophy and feminism intersect: philosophical arguments are used to support particular feminist theories and to criticize competing theories; and feminist theory is used to criticize traditional philosophical theories of ethics, knowledge and science.

Physics

The Physics Department provides three types of courses for entering students with varying levels of interest in physics and with differing degrees of mathematical preparation. The first type is a rigorous sequence, Physics 101-102, which is appropriate for prospective physics and other mathematics and science concentrators. The second, Physics 107-108, provides an introduction to physics for students whose curriculum focus will be in the life sciences. Finally, there are specialty courses, Physics 105, 109-110, and 176.

Physics 101-102 are the appropriate courses for those who desire a strong, calculus-based knowledge of introductory physics. Prospective physics majors should take Physics 101 during their first semester. Other science majors may usually defer registration until the sophomore year. Physics 102H is an Honors section for students who have excelled in 101 or who have a strong high school background in mechanics, but not in electricity, magnetism or thermodynamics.

Physics 107-108 is an appropriate sequence for students, including pre-meds, who plan to major in the life sciences. It also introduces the new pre-medical track of the physics major. It is based upon mathematics at the level of elementary algebra and trigonometry. The associated laboratory is required.

Physics 121 and 176 are specialty courses appropriate for students who have an interest in the study of music and astronomy, respectively. Most of the physics needed to study these disciplines is taught in the courses themselves, but high school physics and chemistry are very useful. Only mathematics involving algebra and trigonometry is used.

For details regarding the AP examinations, please refer to Section IV of this Guidebook. Those who do receive AP credit for Physics 101-102, and who wish to pursue further work in physics, should register for Physics 201 (Modern Physics).

For more information, please contact the department at (757) 221-3500.

Introductory Courses

101-102. General Physics - (Physics 101 is a prerequisite for Physics 102. Only Physics 102 satisfies GER 2A) Fall-Spring (4,4) Co-Requisite: 101L and 101P or 102L and 102P. Concurrent registration in or prior completion of Mathematics 111-112 is recommended. Topics emphasized include Newton's law of classical mechanics, the laws of electricity and magnetism, and some modern physics including applications. Three lectures (approximately 100 students), one discussion hour (25 students), and laboratory (20 students) per week. (Students may not obtain credit for both Physics 101 and 107, or for both 102 and 108.)

105. Great Ideas in Physics - (GER 2A) Fall (3) An introduction to the fundamental laws and dominant themes of modern physics, illustrated with selections from the classics of science writing. The course is intellectually sophisticated, but requires no mathematics beyond ratios. (Not appropriate for science and Mathematics majors.) (Students may not receive credit for Physics 105 if taken after passing Physics 101 or 107.)

107-108. Physics for the Life Sciences - (Physics 107 is a prerequisite for Physics 108. Only Physics 108 satisfies GER 2A) Fall and Spring (4,4) Co-Requisite: 107L and 107P or 108L and 108P. The course covers the fundamental concepts of Physics. In two semesters Newtonian mechanics, wave motion, electrical and magnetic fields, simple circuits, and some modern physics are discussed. It is designed for students in the life sciences, including pre-meds. High school science, as well as algebra and trigonometry, are assumed. (Students may not obtain credit for both Physics 101 and 107, or for both 102 and 108.)

109-110. Practical Physics - (GER 2A) Spring (3,1) Concurrent enrollment in Physics 110 is strongly encouraged. Everyday devices like bicycles, guitars, and cameras are explained as illustrations of the underlying laws of mechanics, acoustics, optics, thermodynamics, and electromagnetism. Mathematics is limited to algebra. (Students may not receive credit for Physics 109 if taken after passing Physics 101 or Physics 107.)

121. Physics of Music - (GER 2A) Fall (3) The physical principles needed to understand the properties of sound and music. Three lectures (25 students) per week.

150W. Freshman Seminar - Fall (4) See separate listing of course(s) available.

176. Introductory Astronomy - (GER 2A) Fall and Spring (3) The physics of the solar system, stars, galaxies, and the universe as a whole. Three lectures (100 students).

177. Astronomy Laboratory – Fall (1) Pre- or Co-requisite Physics 176. Experimental techniques of astronomical observation.

Psychology

The wide range of courses offered by the Psychology Department reflects the diversity of the discipline. Classes cover topics as diverse as neuropsychology, development from infancy through

adolescence, people in a social context, and dealing with maladaptive behaviors. There are two major themes common to the course offerings in Psychology. One is to provide an understanding of psychology as a science in terms of its philosophy, principles, and methods. The other is to show how psychology helps us to understand our behavior and that of others.

The Psychology major is based on Psychology as a Natural Science (Psychology 201) and Psychology as a Social Science (Psychology 202) followed by Elementary Statistics (Psychology 301) and Experimental Methods (Psychology 302), one advanced laboratory course (Psychology 410-425), and five or more electives from among the other 300 and 400 level courses for a total of 32 credits.

The Psychology Department offers two introductory courses at the 200 level for first year students. Students may take 201 and 202 in either order.

For more information, please contact the department at (757) 221-3870, or visit our web site at <http://www.wm.edu/psychology/>.

Introductory Courses

150. Freshman Seminar - Fall and Spring (3) See separate listing of course(s) available.

201. Principles of Psychology as a Natural Science - (GER 2B) Fall and Spring (3) A study of basic principles, covering topics including sensation and perception, learning, motivation, and cognitive processes. (Three hours lecture per week).

202. Principles of Psychology as a Social Science - (GER 3) Fall and Spring (3) An examination of basic concepts of abnormal behavior, human development, personality theory, behavior modification, and social psychology. (Three hours lecture per week)

Public Policy

A major in public policy includes a minimum of 33 semester hours selected from courses listed below. In addition, the implicit requirements of Economics 101 and 102 add six more required credits for the major.

There is a set of seven core courses: Statistics (Business 231, Economics 307 Mathematics 351 or Sociology 353); Government 350; Government 351; Economics 303; Economics 321; Ethics - Philosophy 303 and a second methods course (either Economics 308, Sociology 305, Government 301 or Government 307).

The remaining four courses for the major must be chosen from the list of approved electives from the Departments of Economics, Government, History, Mathematics, Psychology, Religious Studies, and Sociology and the School of Business

The Major Writing Requirement can be fulfilled by following the standard procedure for departmental majors in either the Department of Economics or Department of Government. The Major Computing Requirement is fulfilled by completion of one course listed under “Statistics” and one course listed under “Second Methods Course” in the Common Code of the Public Policy concentration.

Accelerated Bachelor of Arts/Sciences and Master of Public Policy

W&M undergraduate students are able to earn both a Bachelor's degree and a Master of Public Policy in five years. Candidates interested in this accelerated degree path must apply to and gain acceptance in their junior year. See page 127 of the Graduate Program Catalog for full details.

For information, contact the program's office at (757) 221-2368.

Introductory Courses

Economics 101. Principles of Microeconomics - (GER 3) Fall and Spring (3) The study of economic behavior at the level of individual households and firms. Topics include scarcity and choice, supply and demand, production, cost and market organization.

Economics 102. Principles of Macroeconomics - (GER 3) Fall and Spring (3) The study of aggregate economic activity. Topics include national income and output, unemployment, money and inflation, and international trade.

Government 201. Introduction to American Government and Politics - Fall or Spring (3) An introduction to the American political system, its institutions, and processes.

Government 350. Introduction to Public Policy - Fall or Spring (3) An introductory examination of the dynamics of policy making processes at the national level of government, focusing on the effect of government institutions on policy making and implementation in the context of national policy issues.

Public Policy 150. Freshman Seminar – Fall or Spring (3) A course designed to introduce freshmen to topics in the study of public policy.

Religious Studies

Few new students will have undertaken the academic study of religion despite the fact that they may have experienced some form of religious education. The academic study of religion is the examination of the origins, histories, literatures, contexts, and expressed beliefs of the religions of humankind. Such study is by nature multi-disciplinary, drawing especially, but not exclusively, on the methods of history, philosophy, the social sciences, and literary analysis. As religion is one of the most significant aspects of human experience, its careful study is essential to the well-educated person.

The best course for new students is Religious Studies 201 because it is an introduction to the nature and significance of religion within human culture and existence as evidenced in the various religions of the world both past and present. Other courses which are appropriate are included below.

Some of these courses can be used to meet the GERs, as noted. Freshmen may take any of the courses listed, but 201 is especially recommended.

For more information, please contact the department at (757) 221-2175.

Introductory Courses

150. Freshmen Seminar - Fall and Spring (3 or 4) Four seminars are offered annually. Although topics vary, the sections emphasize close reading of texts, discussion, and writing. See separate

listing of Freshmen Seminars for descriptions. (Note: Some Religious Studies Freshman Seminars fulfill the writing requirement and some do not.)

201. Introduction to Religion – (GER 4C) Fall (3) A cross-cultural study of religion, exploring various theories of religion, its origin, nature and interpretation, including an analysis of contrasting views of deity, cosmic and social order, the human problem, theodicy, moral norms and authority, and conceptions of liberation and salvation.

203. History and Religion of Ancient Israel - (GER 4B, 5) Fall and Spring (3) A study of the history and traditions of ancient Israel, with emphasis upon the setting, transmission, context, and theological self-understanding reflected in biblical texts.

204. Christian Origins - (GER 4A, 5) Fall and Spring (3) A study of the origin and development of earliest Christianity. The course focuses on the New Testament and other ancient documents with attention to the Greco-Roman historical contexts of the emerging Christian faith.

210. Introduction to the History of Christianity - (GER 4A) Fall and Spring (3) An introduction to Western Christianity that focuses upon selected periods, critically important movements and events, theological developments and institutional changes, with attention to the relationship between Christianity and currents in the wider culture.

211. Introduction to the History of Jewish Thought - (GER 4A, 5) Fall (3) A study of the biblical origins of Judaism followed by an examination of representative literature from critical periods in the history of Jewish thought: rabbinic, medieval, and modern.

212. Introduction to Islam - (GER 4B) Fall and Spring (3) A study of the origins, major ideas, practices, institutions, and development of Islam within the context of Muslim history.

213. Introduction to Hinduism – (GER 4B) Fall and Spring (3) A study of major developments and principles of Hinduism, beginning with Vedic period. Topics include: The changing conceptions of sacrifice; the inquiries into the nature of the self; the nature of the Ultimate; the role and development of devotion; mythology; ritual and its functions; the influence of Buddhism and Islam; and the character of Hinduism in modern India.

214. Introduction to Buddhism – (GER 4B) Fall (3) A study of the history, doctrines, practices, and various manifestations of the Buddhist tradition. The course begins with the social and religious context out of which the Buddha emerged, progresses to an exploration of Buddhism's philosophical basis, and traces the spread of Buddhism from India and its later developments in Nepal and Tibet, Southeast Asia, and China and Japan.

215. History of Religion in East Asia - (GER 4B) Spring (3) Introduction to the religious systems of China and Japan, including the literatures, histories, thought patterns and practices of the major schools of Confucianism, Taoism, Buddhism and Shintoism.

221. Religion and Ethics - (GER 7) Fall and Spring (3) An introductory study of western religious ethics. The course closely examines the relationships between religious belief and ethics in biblical, Jewish, Roman Catholic, Protestant, and humanistic writings. The course emphasizes analytic and critical thinking skills.

Sociology

The Sociology Department provides both preprofessional training in Sociology and a sound liberal arts background for careers in public services and administration, law, business, medicine, journalism, and the other professions. The Sociology curriculum covers a variety of topics and issues, but all of our courses deal with the nature and consequences of human social arrangements.

We ask questions about different types of social entities, such as families, small to larger groups and organizations, communities, and entire societies and the influences of these entities on the people who create and sustain them. What is the association between family background, education, and occupational success? How is crime controlled informally as well as formally? What are the effects of gender, race, class, and ethnicity on social relationships? We also seek ways to describe and compare the structure and culture of social entities on their own terms. How do communities and societies evolve over time? Have American values changed? Does an increasingly smaller world point to new social forms that are not fully understood? These and many other questions are considered in a range of courses.

The Department has an active student-faculty group that provides opportunities for social and professional activities throughout the year. “Soc Club” receptions, career planning sessions, and guest speakers encourage students to learn about sociology beyond the classroom.

For more information, please contact the department at (757) 221-2600.

Introductory Courses

203. American Society - (GER 3) Fall and Spring (3) This course uses core sociological concepts (structure, process, and culture) to describe and interpret historical and contemporary patterns in American society. The aims are to create a dual vision of historical sweep and to present experience which will deal with trends and lifestyles that relate directly to student consciousness.

204. Social Problems - (GER 3) Fall and Spring (3) This course introduces students to the study of a variety of social problems including alienation, poverty, racism, sexism, environmental degradation, and nuclear proliferation. Students also learn about the various programs and policies that have been developed to deal with these problems.

250. Principles of Sociology - (GER 3) Fall and Spring (3) This course acquaints students with core principles and traditions of sociology and the way sociologists practice their craft in academic, public, and private sectors. Students learn to distinguish sociological from other interesting questions, and how these questions can be researched.

Theatre, Speech, and Dance

Students interested in theatre may choose from an array of introductory courses, several of which are prerequisites to more advanced courses in theatre. Students who wish a general introduction may take Theatre 200, which counts toward the theatre major and satisfies the GER 6 requirement. The Freshman Seminar, Theatre 150, offers varying topics of general interest and satisfies GER 5, but does not count toward a theatre major. Students with some background in theatre and a high level of commitment to performance may take the intensive Freshman Seminar: Introduction to Theatre, Theatre 152, which satisfies major and GER 6 requirements*. Other GER 6 courses include Theatre 206 – Makeup, Theatre 211 – Introduction to Stage Combat, Theatre 301 – Beginning Acting,

Theatre 303 – Scene Painting, Theatre 313 – Introduction to Stage Lighting, and Theatre 333 – Introduction to Classical Asian Performance. Other GER 5 courses include Theatre 308 – History of Fashion and Clothing, Theatre 328 – Survey of Theatre History, 500 B.C. to 1750, and Theatre 329 – Survey of Theatre History 1750 to the Present. In addition, students may be interested in Theatre 300 – Fundamentals of Design, Theatre 305 – Stagecraft, and Theatre 307 – Costume Patterning and Construction.

**Students taking Theatre 200 may not take Theatre 152 for credit and vice versa.*

Speech is not a degree program, but Speech 102, Fundamentals of Oral Communication is reserved for freshmen and sophomores. Speech 201, Public Speaking, satisfies the GER 6 requirement.

GER 6 exemption, either by audition or portfolio review, can be arranged through the department in acting, design, playwriting, speech and debate.

Auditions for the mainstage shows will take place during the first week of classes, beginning with an audition workshop for the musical on August 25; auditions for Second Season shows take place beginning August 31. Auditions are open to all students, including nonmajors.

An Open House for interested students will be held during the Monday evening of Orientation. For more information, please contact the main office at (757) 221-2660 or department chair, Joan Gavalier, at (757) 221-2785.

Introductory Courses in Theatre

152W. Freshman Seminar: Introduction to Theatre – (GER 6) Fall and Spring (4) A study of theatrical performance for students with special performing interests and aptitude. An examination of the historical, literary, cultural, and theatrical backgrounds for one or two plays leads to projects that explore playwriting, acting, directing, and design choices. Four class hours. This course covers material similar to that in Theatre 200, but this is an intensive course with more writing, independent work, and performance—only committed students should register. Students taking 200 may not take 152 for credit and vice versa. Satisfies the Freshman writing requirement.

200. Introduction to Theatre – (GER 6) Fall and Spring (2,2) Corequisite: Theatre 200L. Students learn the foundational principles of theatrical performance and production which will support their work in subsequent theatre courses. By analyzing scripts, conducting research, viewing live productions, participating in production crews, and undertaking creative projects, students will explore dramatic literature, directing, design and technical production. Three class hours plus a minimum of 50 hours working on productions under Theatre 200L. Students taking 200 may not take 152 for credit and vice versa.

200L. Theatre Production Lab – Fall and Spring (1) Practical immersion in the collaborative process of theatre production through work on preparation crews, running crews, costume crews, and/or box office. Students complete a minimum of 50 hours as a member of one or more crews for the mainstage theatre and dance productions. Lab hours are primarily in the evening and on weekends and are concentrated during the load in period, technical rehearsals, and performances of each show

206. Stage Makeup - (GER 6) Spring (2) Basic principles of makeup for theatre, television, and other performance arts; a varied series of projects to develop individual skills and an awareness of

how the actor enhances his “living mask” to create imaginative characterizations. Production involvement required.

211. Introduction to Stage Combat – (GER 6) Fall (3) Foundations of unarmed combat for the stage. Students will master the basics of balance, partnering, timing, communication and coordination, culminating in performance of a scripted scene with combat choreography.

301. Beginning Acting - (GER 6) Fall and Spring (3) An introduction to the arts and crafts of acting. Development of awareness of vocal, physical, and improvisational skills; a basic approach to scene and character study through a variety of exercises.

303. Scene Painting – (GER 6) Fall (2) Study of scene-painting techniques and an introduction to basic equipment, supplies, color-mixing, color theory and methods of application. Students prepare exercises and function as scene painters for William and Mary Theatre productions. Workshop four hours.

305. Stagecraft - Fall and Spring (3) Study and practice in technical problems, working drawings, construction, rigging, and handling of scenery, properties, backstage organization and sound effects. Students act as technicians for William and Mary Theatre productions. Workshop six hours. Prerequisite: 200, 152, or consent of instructor.

307. Costume Patterning and Construction – Fall (3) An introduction to the principles and skills basic to patterning and construction of costume garments and accessories for both period and modern production. Students prepare exercises and function as technicians for the William and Mary Theatre productions. Two class hours, five laboratory hours.

308. History of Fashion and Clothing – (GER 5) Fall (3) History of period costume and clothing from Egyptian to 20th century fashion; lecture, research and field trips.

313. Introduction to Stage Lighting –(GER 6) Fall and Spring (3) Methods and materials of stage lighting, with emphasis on the study of the functions and qualities of light, instruments, control equipment and procedure. Students act as technicians for William and Mary Theatre productions.

333. Introduction to Classical Asian Performance Styles – (GER 6) Fall (3) Study of classical Asian performance through lectures, demonstrations, reading and film viewings of selected Asian performance traditions. Students will be given opportunities to create their own performance pieces in consultation with the Instructor. Cross listed with Dance 333.

Introductory Courses in Speech

102. Fundamentals of Oral Communication - Fall and Spring (2) An examination of oral communication within a variety of contexts, including interpersonal, small group, public, and intercultural communication. The course will focus on techniques to achieve competency and on the development of other communication skills such as listening, participating in discussions, and critical thinking. Priority given to freshmen; lecture/lab format.

201. Public Speaking - (GER 6) Fall and Spring (3) Understanding and application of the principles of public speaking. Analysis of speeches based on organization, content, and delivery.

Dance

The Dance Program provides a series of integrated courses in technique, composition, history, and performance. The courses are designed to give students a thorough perspective on dance through the following: 1. direct exposure to various styles of modern technique as well as courses in jazz and ballet; 2. studies in the development of dance in the 20th and 21st centuries; and 3. experience in the creative process. The Dance Program offers a minor in Dance as well as a means of fulfilling general education requirements. GER 5 may be fulfilled with one course from Dance 220 or 230. GER 6 may be fulfilled with one course from Dance 111, 211, 212, 261, 262 or 264.

Many students study dance for the first time at William & Mary while others build on previous experience. Incoming students who have previous dance training should attend one of the Dance Placement Evaluation sessions on the Monday of fall orientation. This evaluation is a means for the dance faculty to make an assessment of each student's previous movement experience. As a result of the evaluation, each student will receive a recommendation and permission to enroll in specific courses. Students who place at the 300 or 400 level of technique will also receive an exemption (no credit) from the GER 6 requirement.

Auditions for the Performance Ensemble (Orchesis) include a practice session and audition during the first week of classes. The Performance Ensemble provides an opportunity for students to develop their performing skills, participate in the choreographic process, and contribute to concert production and company leadership. Auditions are open to all students.

For more information, please contact Joan Gavalier at 757-221-2785.

Introductory Courses

Dance 111. Modern I - (GER 6) Fall and Spring (2) Designed for the student with little or no dance background. Introduces dance as an art form and as a means of expression through both the study of movement fundamentals and creative work. 4 studio hours.

Dance 220. History of Modern Dance - (GER 5) Spring (3) An introduction through video and lectures to the field of modern dance with emphasis on the stylistic approach and aesthetic of the artists who have contributed to its development in the 20th and 21st centuries.

Dance 230. History of American Vernacular Dance – (GER 5) Fall (3) An introduction through video and lectures to the vernacular dance of the United States with an emphasis on its development from roots in West African and European dance to contemporary forms such as tap and jazz. We will examine the vernacular styles found in professional and social dance settings as well as the cultural context in which the dancing appears.

Women's Studies

The purpose of this field of study is to acquaint students with current scholarship on women, gender, feminist theory and research. Women's Studies courses are designed to foster open and vigorous inquiry about this scholarship; to challenge perspectives in which women are absent or peripheral; to critically examine cultural assumptions about gender, race, class, ethnicity, and sexual orientation in light of information made available by new theories and research; and to equip students with a thorough knowledge of this field of study as well as to provide them with opportunities to apply that knowledge both in and out of the classroom. Such opportunities might include, for instance, independent research projects, internships, participation in events, program governance, or student

organizations. In addition, Women's Studies offers a supportive environment for all who are interested in this field of study and its role on campus.

A major in Women's Studies provides students with a flexible liberal arts education that integrates knowledge across academic disciplines. Courses in Women's Studies are available in three basic forms: "core" courses offered directly by the program (these are always listed with a "WMST" prefix); cross-listed courses offered jointly by Women's Studies and another program or department (these course descriptions include a notation about the cross-listing); courses offered by other departments and affiliated with Women's Studies due to their content (these are published each semester in a Women's Studies course flyer available in our office and available on our webpage: <http://web.wm.edu/womensstudies/>).

When you choose a major or a minor in Women's Studies, you select courses from all those available and work closely with an advisor to establish a particular emphasis in an area of interest to you. If you are especially interested in women's history, for instance, you might design a program of study that includes several History courses or perhaps a minor or second major in History; you might make similar decisions in areas such as Anthropology, Black Studies, English, Psychology, Sociology, and so on. Students generally declare a major at the end of their sophomore year. At that time, or at any time you have questions about the Program, you should contact the Women's Studies office to set up an appointment with a Women's Studies advisor.

No more than 10 credits of introductory courses, excluding WMST 205, may count toward the major.

For more information, contact the program at (757) 221-2457.

Introductory Courses

WMST 150W. Freshman Seminar - Fall and Spring (4 credits) Topics vary. Please refer to separate course listing. Examples of topics include women's movements past and present, the sociology of love, women and work and women's literature.

WMST 151W. Freshman Seminar: Gender in Non-Western Cultures – Fall and Spring (4 credits) (GER 4B) An examination of practices and conceptualizations of gender and their social and cultural consequences in selected non-Western societies. (Crosslisted with SOCL 151W)

WMST 205. Introduction to Women's Studies - Spring (4 credits) (GER 4C) A multidisciplinary exploration of sex and gender differences; race and class-based differences and divisions among women; feminist epistemologies and practices. Topics include feminist histories, gender development; body images/representations; "women's work," activism/subversions. Seminar format and weekly forum. Two sections of this course are restricted to freshmen/sophomores only; no seniors are allowed to enroll in this course.

WMST 221, 222. United States Women's History, 1600 to the Present -Fall and Spring (3 credits) (GER 4A) This course is designed to introduce students to some of the major themes and issues of the field as it has developed in the past two decades. Primary themes throughout this course include: work, sexual/gender norms and values, women's networks and politics, and how each of these has changed over time and differed for women from diverse cultures/communities. The course divides at 1879. (*For freshmen and sophomores with AP credit or exemption.*) (Crosslisted with HIST 221,222)

WMST 275W. University Seminar. (4 credits) A reading-, writing-, and discussion-intensive seminar. Topics vary by semester and by instructor. Restricted to transfer students and co-enrolled students. Students receiving a grade of “C-“or better in the seminar will have satisfied the lower-division writing requirement.

WMST 290. Fall, Spring (3, 4) A study of a topic in some aspect of feminist scholarship. May be repeated for credit if topic varies

Writing

All entering students must fulfill the lower-division writing requirement during their first or second semester at the college by completing, with a grade of C or better, either Writing 101 or a freshman seminar (see page 4 for information) or lower-division course designated “W.” Students should note that this requirement must be fulfilled prior to the junior year. The only exemptions to this requirement are through AP, IB, or transfer credit.

Writing 101 teaches students how to write clearly and effectively with an emphasis on writing expository and persuasive essays. The conference method is used to complement regular classroom instruction; therefore, sections of Writing 101 are limited to 16 students. A final grade of C or better must be received in order to satisfy the Writing 101 requirement. Writing 101 is graded A, A-, B+, B, B-, C+, C, C-, R, I, or F. (R = Repeat and will not appear on the student’s permanent record). The grade of F may be awarded only to those students who do not complete their course work. The course will appear on the student’s permanent record when a grade other than R is received.

For more information, please contact Professor Sharon Zuber, Director of the Writing Resources Center, (757) 221-3939.

Introductory Courses

101. Writing - Fall and Spring (3) Supervised practice of writing with frequent conferences. Each section is limited to 16 students.

VIII. Mason School of Business Information

The College of William and Mary initiated studies in business administration in 1919. The School of Business was formed in 1968 to administer both the undergraduate and graduate degree programs in business administration. The Mason School of Business will move into the newly constructed Miller Hall in July 2009.

The undergraduate degree program normally leads to a Bachelor of Business Administration (BBA). However students who double-major in Business and an Arts and Sciences discipline may choose either as their primary major. Students will receive the degree that corresponds to their primary major (BBA for Business, BA or BS for Arts and Sciences). Business majors are offered in four areas: accounting; finance; marketing; and process management/consulting. Minors are offered in five areas: accounting; finance; management; marketing; and process management/consulting.

Graduate programs lead to a Master of Business Administration (MBA) or Master of Accounting (MAcc). Information about these programs can be obtained by contacting the Mason School of Business Graduate Admissions Office. Information is provided online at <http://mason.wm.edu/Mason/Programs/Undergraduate+Business/>.

All programs are accredited by the Association to Advance Collegiate Schools of Business International (AACSB International).

Individual Program of Study

At William & Mary, our Undergraduate Business Program offers an experiential and individualized approach to business education. Each student designs an Individual Program of Study (IPS) that is unique to their particular goals and strengths. Our introductory foundation semester includes a week-long interdisciplinary simulation with an emphasis on team dynamics. To promote breadth of study in business disciplines, our curricula include a primary major with a concentration in another business discipline.

The Mason School of Business strongly encourages study abroad. Our curriculum has been designed to allow students to study abroad in the spring of their second or third year. Students interested in studying abroad should contact the Undergraduate Business Program and the Global Education Office in the Reves Center for International Studies for more information.

Undergraduate Business Program Admission

All students who wish to major in Business (whether as a primary or secondary major) must apply for competitive admission to the Mason School of Business. Prerequisites for admission to the Mason School of Business include the following: junior standing (54 academic credit hours) with a minimum attained Grade Point Average (GPA) of 2.0 and the following pre-requisite courses:

Specific Pre-requisite Courses:

- Introductory Microeconomics (ECON 101 or 151)
- Introductory Macroeconomics (ECON 102 or 152)
- Introductory Calculus (MATH 108, 111, 112, 131 or 132)
- Introductory Statistics (BUAD 231, ECON 307, PSYC 301, MATH 106, MATH 351, SOCL 353 or KINE 394)
- Principles of Accounting (BUAD 203)

The Undergraduate Business curriculum is designed so that most students will begin the program in the fall semester of their junior year. Thus, students normally apply for admission to the Mason School of Business during the spring semester of their sophomore year for admission in the following fall semester. To accommodate special circumstances such as study abroad, transferring students, and students who have met all the entrance requirements, the Mason School of Business also accepts applications in the fall semester for admission in the following spring semester. Admission is competitive and the entering class is selected except as specified below on the basis of the applicant's overall William and Mary GPA at the time of application. Transfer students who have completed twelve or more semester hours at William and Mary prior to the time of application will be evaluated on their attained William and Mary GPA. Transfer students who are eligible to apply to the Majors Program who have completed fewer than twelve semester hours at William and at the time of application will be evaluated on their attained GPA for all previous university work. Because the competitive admission process depends upon the number of qualified applicants and the number of positions available within the Business School, the minimum GPA of admitted students is not a fixed number.

The deadlines for enrolled William and Mary students to apply to the Majors Program are February 15 for fall admission and October 1 for spring admission. Applications from enrolled William and

Many students received after the application deadline will be considered only if the admissions limit has not been attained. Late applicants and transfer students should contact the Undergraduate Business Program Office in the Mason School of Business (757-221-2910) for additional information. Appeals from students who are denied admission should be directed to the Committee on Admissions, Academic Status, and Degrees of the Mason School of Business.

Business course enrollment priorities are given to admitted business majors and minors. Upon admission to the Mason School of Business, all candidates for the BBA degree come under the jurisdiction of the School's administration, including its Committee on Admissions, Academic Status, and Degrees, in all matters appropriately pertaining thereto.

Early Admission for Study Abroad

Students typically apply to the Majors Program in the second semester of the second year or the semester when total credits earned by the end of the semester is at least 54 hours. The second semester of the second year may also be an ideal semester for study abroad. While it is possible both to apply to the Majors Program and to study abroad at the same time, many students would rather not do this. To remove this impediment to study abroad, the Majors Program has instituted an early admission procedure for students who fulfill the following requirements.

You must have completed a minimum of 42 and no more than 53 semester hours by the end of the semester in which you apply for early admission. You must have a minimum cumulative GPA of 3.0 at the end of the semester in which you apply. You must be enrolled as a full-time student in an international program through the Global Education Office in the Reves Center for International Study for the semester completed by the time that you enter the Majors Program. Your early admission will be cancelled if, for any reason, you choose not to complete the international program.

Students applying for study abroad early admission follow the same application procedures and deadlines as for regular admission to the program. Please contact the Office of Undergraduate Studies in the Mason School of Business for further information about studying abroad and applying to the Majors program.

For more information contact the Mason School of Business at (757) 221-2910.

Introductory Courses

150W. Freshman Seminar – Fall or Spring (4) See my.wm.edu for course listings.

IX. School of Education Information

The goal of the *Undergraduate Initial Teacher Preparation Programs* in the School of Education is to prepare students to become teachers who are reflective practitioners, content-area experts, effective collaborators, and teacher leaders. To meet this goal, students participate in a balanced program of general education studies, professional education courses, and school-based experiences that promote continuous reflection of the knowledge, skills, and beliefs which guide their instructional decisions. Reflective teachers not only examine their understanding of schools, students, and learning, but also the content to be taught, and the pedagogical concepts and practices best suited for the diverse student population in today's schools.

The School of Education is the recognized organizational unit in the College of William & Mary charged with responsibility for preparing teachers, administrators, supervisors, and related school personnel. Within the framework of general College regulations, faculty in the School of Education formulate and implement policies and procedures related to the Elementary Education program (PreK-6), Secondary Education (6-12), and Foreign Language Education (K-12), including instructional goals, requirements, admissions criteria, and curricula for these programs. The Associate Dean for Teacher Education and Professional Services in the School of Education is the Certification Officer for the College of William & Mary in relation to the Virginia Department of Education.

Major in Elementary Education

The program in Elementary Education leading to endorsement to teach grades PreK-6 requires a dual major. Students are required to select a departmental or interdisciplinary major in the Arts and Sciences as a primary major. They are also required to declare a second major of 35 semester hours in Elementary Education. Students in the Elementary Education certification program may apply no more than 35 credits in Education toward the 120 credits required for graduation.

In addition to completing a major in Arts and Sciences, students seeking teacher licensure must complete 12 hours of General Studies requirements, which are explained in the course catalog. In most cases, General Studies requirements can be fulfilled through GER courses or through one's Arts and Sciences major.

Admissions Criteria and Procedures

Admission to baccalaureate study at the College of William & Mary does not automatically include admission to the Elementary Education program in the School of Education. Rather, students normally apply for admission to the Elementary Education program in the second semester of their sophomore year or the first semester of their junior year by completing an application form that can be obtained from the School of Education's website at <http://education.wm.edu>. Students are encouraged to check with the Office of Academic Programs in Jones 100 to determine the application deadline, which is typically in March each year. Admission to the program requires an overall quality point average of at least 2.0 in course work completed to date and at least 54 earned hours.

Certification Programs in Secondary Education

Students who plan to teach at the secondary school level declare a major in the subject area(s) they expect to teach and they additionally complete 30 credits of professional education courses required for one of the following endorsement areas of Secondary Education: English, Foreign Language (French, German, Hispanic Studies, Latin), Mathematics, Science (Biology, Chemistry, Earth and Space Science, Physics), and Social Studies (History, and Government). Students who complete a certification program in Secondary Education may apply no more than 28 credits in education toward the 120 academic credits required for graduation.

In addition to completing a major in Arts and Sciences, students seeking teacher licensure must complete the Subject Area requirements for their respective subject area, which are explained in the course catalog. In most cases, the state's Subject Area requirements can be fulfilled through GER courses or through one's Arts and Sciences major.

Admissions Criteria and Procedures

Students who wish to teach at the secondary school level should apply for admission to a certification program in Secondary Education normally in the first semester of their junior year after declaring an Arts & Sciences major. Application forms can be obtained from the School of Education's website at <http://education.wm.edu>. Students are encouraged to check with the Office of Academic Programs to determine the application deadline date, which is typically mid-semester in the fall. Admission to a certification program in Secondary Education requires an overall grade point average of at least 2.0 in course work completed to date.

For more information, please contact the School of Education at (757) 221-2317 or email graded@wm.edu.

X. Special Programs Information

Pre-Engineering

William and Mary offers combined degree programs (“3:2” and “4:2” programs) with the engineering schools of Columbia University and Rensselaer Polytechnic Institute (RPI). Under the guidelines of these programs, a student spends three or four years at William and Mary and two years at the engineering school. The student receives a bachelor's degree from William and Mary in their major field and a bachelor's degree in engineering school. So long as the requirements are met, it is possible to major in any discipline prior to acceptance into the engineering school. However, it is strongly recommended that the student pursue a degree in the sciences or mathematics at William and Mary. Students will typically complete their degree requirements and GERs while at William and Mary along with basic science and math courses needed for application.

For more information on curriculum planning, please consult Professor Todd Averett (tdaver@wm.edu) in the Physics Department

Pre-Law

Little can be said in general about what constitutes a good undergraduate preparation for law school and the legal profession. A lawyer, of course, must be able to think and reason clearly and to express his/her thoughts articulately both orally and in writing. Also, since the practice of law can bring one in contact with nearly every facet of life, a lawyer should be broadly educated. But to say this is to say no more than that the best preparation for law school is simply a broad liberal education. There is no one major, nor is there any group of courses that will best prepare you for law school. The analytical and reasoning abilities that can be developed through the study of philosophy or mathematics; the facility in the use of language and the deepened appreciation of the human condition that can be gained through the study of literature; the knowledge of human behavior and social life that can be received through the study of psychology, economics, sociology, history or political science—all of these can prove invaluable to an attorney. Attorneys who specialize in areas like patent law can find a basic knowledge of the natural sciences very useful. A basic proficiency in accounting is essential for some lawyers.

In any case, law schools seldom look for students with any particular undergraduate background or with any particular undergraduate courses on their records. Care is taken in the preparation of the Law School Admission Test not to discriminate for or against students with any particular undergraduate major. Thus, the undergraduate program you design should simply be one that you enjoy, that develops your ability to think, speak, and write, and that introduces you to as broad of a range of human activity and experience as possible.

For more information, please contact the Pre-Law advisor at (757) 221-3133.

Pre-Medicine

Almost every medical school in the country requires 8 semester hours each of biology, general chemistry, organic chemistry, and physics. Laboratory work is required in all of these sciences. At W&M these requirements would best be met with Biology 203/204; Chemistry 103/103L, 206/206L, 307/353, and 308/354; and Physics 101/102 or Physics 107/108.

Students who are planning to major in one of the sciences should take the first course in that science's introductory sequence for majors in the fall of the freshman year. Because the chemistry sequence is the only multi-year premedical science sequence, first-semester freshmen who are undecided about their majors should consider taking Chemistry 103 and Chemistry 103L.

Many schools also require one year of math and English. A year of calculus is strongly recommended (and, in fact, is a pre- or co-requisite for Physics 101-102). Writing 101 or a "W" designated freshman seminar may be used to satisfy part of the English requirement. The English Department recommends that premed freshmen and sophomores who are not intending to major in English take English 210; juniors and seniors are encouraged to take English 352, 363 or 364. The English Department will enroll only freshmen and sophomores in their lower level courses (203-210). Any pre-medical students planning to take a lower level English course must do so, therefore, within their first two years.

Medicine is concerned with a variety of social and community problems; thus, a broad educational background is most desirable. Medical schools frequently mention the desirability of additional courses in anthropology, economics, government, psychology, and sociology.

Students who elect a major in disciplines other than chemistry, biology, or physics may find less difficulty in coping with the basic sciences in medical school if they have, in addition to the above mentioned essential courses in the sciences, some work in either advanced biology or advanced chemistry.

Early Admission Program with Eastern Virginia Medical School (EVMS)

The College of William & Mary has an agreement with Eastern Virginia Medical School (EVMS) whereby students can gain acceptance to medical school at the end of the sophomore year. Accepted students who fulfill the program's requirements are guaranteed a position in the EVMS medical school class that matriculates in the August following the accepted student's senior year at the College. To apply, students must have at least a 1250 on the SAT and a 3.4 GPA at the College. In 2006, twelve students applied, and eight were accepted. To stay in the program, students must maintain an overall B+ average at the College and a GPA of 3.4 in the required premedical science courses, i.e. 1 year of biology, 2 years of chemistry (including organic chemistry), and 1 year of physics. Students in the program are also expected to obtain medical and research experience. Accepted students are not required to take the MCAT before entering EVMS; they are free, however, to take the MCAT and apply to other medical schools, as acceptance into the program does not require a student to attend EVMS.

For more information, please contact the College's premedical advisor, Dr. Beverly Sher, at btsher@wm.edu.

The Sharpe Community Scholars Program

Each year the College recognizes 75 entering students with the designation of Sharpe Community Scholar. Sharpe Scholars are highly motivated first-year students who want to connect their academic studies to community engagement.

Embedding service into the academic curriculum, the Sharpe program stresses an integrated approach: students live together for one year, enroll in one of several specially designated courses during their first semester, and simultaneously work in teams of three or four on projects designed to assist local not-for-profit organizations and government agencies. These projects give students an opportunity to apply academic concepts and theories to real world situations. Sharpe teams continue to develop their projects through second semester. They receive mentoring from professors, agency directors, and local community leaders and are encouraged to explore various forms of civic work. The summer after their freshman year, Sharpe Scholars may apply for grants of up to \$2,000 to conduct community-based research projects in the U.S. or abroad; or they may apply their seminar credits toward course requirements for the Community Studies Minor.

Information about current Sharpe Courses may be found at www.wm.edu/sharpe/courses.php.

For both fall and spring term, students must also enroll in a 1-credit short course CMST 100: *The College & Community*.

For more information, please contact Monica D. Griffin at (757) 221-2495.

Study Abroad

Study abroad can be included in any major with a little advance planning, so start thinking about it early!

How to plan. If you think you want to go abroad, you should discuss this with your Academic Advisor during your freshman year. You and your advisor should identify your academic goals, possible major/minor requirements, and GER requirements. With those in mind, you should then come to the Global Education Office (GEO) in the Reves Center to begin looking for a program that will meet your academic needs. The GEO has a library of study abroad resources and has advisors on staff to help you decide on how, when, and where to study abroad.

Where to go. William & Mary students study all over the world, from Great Britain to Tanzania and from China to Argentina. There are several ways for W&M students to study abroad:

- William & Mary summer faculty-led programs
- William & Mary sponsored semester programs
- William & Mary semester- and yearlong tuition exchange programs
- Third-party study abroad programs (including those administered by other US universities or by commercial and non-profit study abroad organizations, and direct enrollment in overseas universities)

When to go. The majority of students undertake study abroad during their sophomore or junior years; which is best depends both on the shape of your four-year academic plan and on your personal readiness to go. It is also possible to study away during your final two semesters (senior year), but remember that you must have permission to do so (through a petition for a waiver of the senior

residency requirement) and it can be much more difficult to find a program that satisfies your academic requirements during those semesters.

It is recommended that you study abroad for a semester or year if possible, as extended periods allow for deeper learning and greater personal development than short-term programs. Still, if you are unable to be away from campus for a full semester, there are many summer and intersession programs for you to choose from.

Things to remember. As you prepare to make study overseas a part of the academic path you pursue here at William & Mary, here are a few things to keep in mind:

- Courses taken abroad can count toward **major and minor requirements**, but most often (and ideally) these courses do not exactly match those taught on the home campus and they are designated as elective or topics credit. Particularly for students in concentrations with tightly structured progressions of courses, this fact should be taken into account when you are choosing the best time and place for your study abroad.
- As a general rule, you may not fulfill your GERs abroad. Exceptions to this rule may be made for **GERs 4 and 5** through a petition to the Committee on Degrees following completion of the program abroad.
- You may complete your **language proficiency requirement** abroad as long as the language you study is a primary language of your host country.
- Credit for classes on programs abroad, with the exception of W&M faculty-led summer programs and W&M's semester programs in La Plata and Seville, is entered on your William & Mary transcript as **transfer credit**. (The semesters in La Plata and Seville and the faculty-led summer programs bring back W&M grades.)
- You must obtain **faculty approval of transfer credit** for each class you take abroad.
- Any federal or state **financial aid** you receive and almost all scholarships may be used for your study abroad.
- The **GEO staff** are always available to answer your questions and help you work through issues that may arise as you plan your study abroad. You may stop by the office (next to the Campus Center), visit the website (www.wm.edu/reescenter/studyabroad), email wmabroad@wm.edu or call 221-3594.

XI. Important Contacts & Phone Numbers

Academic Departments & Programs	
American Studies	221-1275
Anthropology	221-1055
Applied Science	221-2563
Art & Art History	221-2520
Biology.....	221-2207
Black Studies.....	221-1634
Business, School of.....	221-2910
Chemistry	221-2540
Classical Studies	221-2160
Computer Science	221-3455
Dance	221-2785
Economics.....	221-4311
Education, School of.....	221-4300
English	221-3905
Environmental Studies	221-2463
Geology.....	221-2440
Government.....	221-3020
History.....	221-3720
Interdisciplinary Studies	221-2460
International Relations/Studies	221-3590
Kinesiology	221-2758
Linguistics.....	221-3940
Literary & Cultural Studies.....	221-3922
Mathematics.....	221-1873
Medieval & Renaissance Studies.....	221-1442
Military Science	221-3600
Modern Languages & Literature.....	221-3635
Music.....	221-1071
Philosophy.....	221-2735
Physics	221-3501
Psychology.....	221-3870
Public Policy	221-2368
Religious Studies	221-2175
Sociology	221-2600
Theatre, Speech, & Dance	221-2660
Women’s Studies	221-2457
Important Numbers	
Academic Advising.....	221-2476
Admissions Deferral (one-year).....	221-4223
Advanced Placement.....	221-2807
Assignment of Advisors.....	221-2476
Bus Service	221-2271
Career Planning.....	221-3240
Change of Mailing Address	221-4223
Child Care Center	221-2121
Commuter Student Ferry Passes	221-2813
Computer Resources On-Campus.....	221-4357
Counseling Services.....	221-3620
Course Planning.....	see your academic advisor
Directions to Campus	221-4223
Disability Assistance	221-2510
English Language Placement.....	221-3915
Financial Aid	221-2420
Foreign Language Placement	221-3635
Health Center	221-4386
Honors Programs	221-2460
Housing.....	221-3177
Monroe Scholars Program	221-2460
Multicultural Affairs.....	221-2300
Orientation for New Students	221-2510
Parking Services	221-4764
Permission to take an Overload (more than 18 credits).....	221-2510
Permission to take an Underload (fewer than 12 credits).....	221-2510
Permission to take Summer Courses at other U.S. Institutions	221-2823
Pre-Engineering Advising	221-3501
Pre-Law Advising.....	221-3133
Pre-Medical Advising.....	221-2237
Social Security Number Changes	221-2815
Student Activities.....	221-3300
Studies Abroad.....	221-3594
Study Skills & Tutors Office	221-2511
Transfer Credit Evaluations	
(Study abroad)	221-7768
(U.S.).....	221-2823
(Foreign study before matriculation)	221-2843
Transportation from Local Airports.....	221-4223
Tuition Payment.....	221-1226
Unclassified Student Advising	221-2817
Veteran’s Affairs	221-2809
Unclassified Student Admission.....	221-3980
Verification of Student Status.....	221-2815
William & Mary Athletics	221-3400
Withdrawal from a Course.....	221-2812
Withdrawal from W&M	221-2510
Writing Resources Center.....	221-3925
<i>*For other numbers, please call (757) 221-4000.</i>	

