

**VIRGINIA COMMONWEALTH UNIVERSITY
GRADUATION WORKSHEET**

**BACHELOR OF SCIENCE IN
MATHEMATICAL SCIENCES
(Mathematics, Applied Mathematics, and
Secondary Mathematics Teacher Preparation)
COLLEGE OF HUMANITIES AND SCIENCES**

Name _____

Date _____

Questions about transfer credit evaluation should be directed to
Coordinator of Academic Advising, 205 Hibbs, 828-1673.

SS # _____

VCU COURSES ACCEPTED TRANSFER COURSES SEMESTER CREDITS

**GRADE LOWER UPPER QUALITY
 LEVEL LEVEL POINTS**

GENERAL REQUIREMENTS

WRITING: ENGL 101-200 (with a minimum grade of C in each) Students must complete 24 credits before enrolling in ENGL 200.

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|-----------------|-------|-------|-------|-------|
| ENGL 101 | _____ | _____ | _____ | _____ |
| ENGL 200 | _____ | _____ | _____ | _____ |

AND Two writing intensive (WI) courses, at least one of which must be in the student's major (See Approved List A and Schedule of Classes each semester)

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MATHEMATICS AND STATISTICAL REASONING: MATH 151 (by course or placement) Completion of Mathematical Sciences major courses fulfills requirement. No more than 4 credits in 100 level mathematics (MATH) courses may be applied toward degree requirements.

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| MATH 151 | _____ | _____ | _____ | _____ |
|-----------------|-------|-------|-------|-------|

If checked, student must take the mathematics placement test. To receive the maximum of 4 credits of transfer credit at the 100 level in mathematical sciences, student must place at the MATH 200 Calculus level on the mathematics placement test.

ETHICAL PRINCIPLES: (3 credits) Either within the major or from another department. (See Approved List C).

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VISUAL AND PERFORMING ARTS. (2-4 credits). One course in the visual or performing arts. (See Approved List E)

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LITERATURE : (3 credits) One literature course. (See Approved List F)

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URBAN ENVIRONMENT: (3 credits) Coursework or internship, within the major or through general education, dealing with aspects of modern urban life. (See Approved List K)

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VCUCOURSES

ACCEPTED TRANSFER COURSES

SEMESTER CREDITS

GRADE

LOWER

UPPER

QUALITY

LEVEL

LEVEL

POINTS

NATURAL SCIENCES: (A) Complete one of the following sequences:

BIOL 151-152, BIOZ 151L-152L **OR** PHYS 207-208 or PHYS 201-202 **OR** CHEM 101-102, CHEZ 101L-102L

B) Complete another course, including laboratory, in the natural sciences from List D. This course must be in the biological sciences if the CHEM or PHYS sequence was selected in (A) above; it must be in the physical sciences if the BIOL sequence was selected in (A).

(C) Complete one other course in the natural sciences **OR** complete a minor or second major offered outside the Department of Mathematical Sciences.

(Students in the Extended Teacher Preparation program are considered to have a second major outside the Department of Mathematical Sciences.)

If second major or minor is to be used, SPECIFY: _____

CIVILIZATION: (8-9 credits) Students must take one course (3 credits) from **EACH** of the following areas (9 credits total) but no more than six credits in any one discipline; **OR** take two 4-credit interdisciplinary courses (8 credits total) that combine elements of A, B, and C.

A. Historical and Cultural Origins. One course (3 credits) that expands students' understanding of the historical and cultural roots of the modern world. (See Approved List G)

B. American (U.S.) Studies. One course (3 credits) that explores contemporary United States society with particular attention to aspects of its historical development. (See Approved List H)

C. Global Studies. One course (3 credits) with an explicit focus on the interactions of nations, peoples, and social economic forces in today's integrated global society. (See Approved List I)

FOREIGN LANGUAGE: (0-8 credits). Competency through the elementary level (102 or equivalent) by course or placement.

HUMAN BEHAVIOR: (6-7 credits). 2 courses in different disciplines focusing on human behavior. (See Approved List J)

THIS FORM SHOULD BE COMPLETED AND SIGNED BY THE STUDENT AND THE STUDENT'S ADVISOR DURING THE STUDENT'S JUNIOR YEAR. THIS FORM MUST BE COMPLETED SHOWING COURSES, GRADES, AND QUALITY POINTS AND BE PRESENTED WITH THE DEGREE APPLICATION WHEN IT IS SUBMITTED TO THE UNDERGRADUATE CREDENTIALS COMMITTEE.

COMPUTER LITERACY: All students, including transfer students, are required to pass the Computer Proficiency Assessment prior to graduation. Many students will have requisite knowledge through personal means to pass the Computer Proficiency Assessment upon entry to VCU. **Information about the Assessment and related Tutorials can be viewed on the Web at <http://www.vcu.edu/cte/knowledgenet>.** INFO 160, 161 and 162 (all three) or transfer computer literacy courses may be used to fulfill the requirement.

Date Assessment passed: _____ OR Equivalent Course _____

ELECTIVES:

Electives are the courses beyond those which satisfy general education and major requirements and which are a part of the 120 credits needed for the undergraduate degree. Approved electives should not duplicate or attempt to replace required courses (e.g. MGMT 301 nor STAT 210 to replace STAT 212). No more than 3 credits in 100-level mathematical sciences courses or their equivalent may be applied toward degree requirements (e.g. INFO 160, 161, 162, 163 parallel CMSC 128).

| <u>VCU COURSES</u> | <u>ACCEPTED TRANSFER COURSES</u> | <u>SEMESTER CREDITS</u> | | | |
|--------------------|----------------------------------|-------------------------|--------------------|--------------------|-----------------------|
| | | <u>GRADE</u> | <u>LOWER LEVEL</u> | <u>UPPER LEVEL</u> | <u>QUALITY POINTS</u> |
| _____ | _____ | _____ | _____ | _____ | _____ |
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| _____ | _____ | _____ | _____ | _____ | _____ |

Asterisk (*) courses to be used for ____ minor or ____ second major in _____.

Total Number of Credits to be applied to degree: _____

ADDITIONAL DEGREE REQUIREMENTS:

1) *Cumulative 2.00 GPA required for the major and total degree;* 2) *120 credits including no more than 4 in physical education activity courses;* 3) *45 credits in upper level courses or the equivalent;* 4) *last 30 credits taken at VCU.*

ALSO: *Courses taken as major or minor courses may also be used to fulfill General Requirements when the courses are shown on the Approved Lists. However, no one course can be used to fulfill two General Education requirements, with the exception of courses used to complete the writing intensive requirement.*

For information on internships/ career-related employment/volunteer career development see the Career Explorations Web Page at <http://www.students.vcu.edu/careers>

SIGNATURES: Plan of Study _____ Student _____ Date _____
 Advisor _____ Date _____

Degree Applic. Cred. Comm. _____ Date _____
Student _____ Date _____
Advisor _____ Date _____
Cred. Comm. _____ Date _____