

10/3/11

James Madison University
Blue Ridge Community College

Lord Fairfax Community College
Piedmont Virginia Community College

Transfer Associate in Arts and Sciences Degree
Concentration in Pre-Teacher Education

Suggested Curriculum Outline and Advising Guide for Students Pursuing Licensure in
MATHEMATICS

Note: This document is only a guide; students wishing to transfer to JMU under this agreement must also sign an official Intent Form.

FIRST YEAR

First Semester – 15-19 Credits

| Course # | Course Description | Credits | BRCC | LFCC | PVCC |
|--|---|---------|------|------|------|
| ENG 111 | College Composition I | 3 | x | x | x |
| MTH 173 <i>or</i> | Calculus with Analytic Geometry I <i>or</i> | (4-5) | x | x | x |
| MTH 273 | Calculus I | (4) | -- | -- | x |
| Natural Science Elective | | 4 | x | x | x |
| Social Science Elective | | 3 | x | x | x |
| ITE 115, ITE 119, CSC 200, or Test Equivalency | Computer Proficiency | (3) | x | x | x |
| SDV ____ | Student Development | 1 | x | x | x |

Second Semester – 17-18 Credits

| Course # | Course Description | Credits | BRCC | LFCC | PVCC |
|--------------------------|--|---------|------|------|------|
| ENG 112 | College Composition II | 3 | x | x | x |
| MTH 174 <i>or</i> | Calculus with Analytic Geometry II <i>or</i> | (4-5) | x | x | x |
| MTH 274 | Calculus II | (4) | -- | -- | x |
| PSY 230 | Developmental Psychology | 3 | x | x | x |
| Natural Science Elective | | 4 | x | x | x |
| Social Science Elective | | 3 | x | x | x |

SECOND YEAR

Third Semester – 17 Credits

| Course # | Course Description | Credits | BRCC | LFCC | PVCC |
|-------------------------------|---|---------|------|------|------|
| MTH 277 | Vector Calculus | 4 | x | x | x |
| MTH 279 | Ordinary Differential Equations | 4 | x | -- | x |
| CST 100 <i>or</i> | Principles of Public Speaking <i>or</i> | (3) | -- | -- | x |
| CST 110 | Introduction to Speech Communications | (3) | x | x | -- |
| Social Science Elective | | 3 | x | x | x |
| Humanities/Fine Arts Elective | | 3 | x | x | x |

Fourth Semester – 13-14 Credits

| Course # | Course Description | Credits | BRCC | LFCC | PVCC |
|--------------------------------------|--|---------|------|------|------|
| MTH 285 | Linear Algebra | 3 | x | x | x |
| Humanities/Fine Arts Elective | | 3 | x | x | x |
| General Elective (<i>see note</i>) | | 3-4 | x | x | x |
| Wellness Elective | | 1 | x | x | x |
| EDU 200 | Introduction to Teaching as a Profession | 3 | x | x | x |

Total Credits Required for Associate in Arts and Sciences Degree / Secondary Education-Math Option – 62-68

ACADEMIC ADVISING NOTES for SECONDARY EDUCATION – MATH TRANSFER STUDENTS

MATHEMATICS

- Students who take both MTH 175, *Calculus of One Variable I*, **and** MTH 176, *Calculus of One Variable II*, will receive credit for JMU MATH 235, *Linear Algebra with Differential Equations*, plus two general credits.
- Students must take both MTH 279, *Ordinary Differential Equations*, **and** MTH 285, *Linear Algebra*, and will receive credit for JMU MATH 238, *Linear Algebra with Differential Equations*, plus two general credits.
- LFCC and PVCC students having space for additional electives may take both MTH 243, *Probability and Statistics I*, **and** MTH 244, *Probability and Statistics II*, and will receive credit for JMU MATH 318, *Introduction to Probability and Statistics*, plus two general credits. Students may negotiate for permission to transfer just one course, with such permission granted on a case-by-case basis. Students who do not take both MTH 243 and MTH 244 must take MATH 318 once enrolled at JMU.

APPROVED ELECTIVES

- EDU 200, *Introduction to Teaching as a Profession*, if taken under this agreement, will meet the requirements for EDUC 300, *Foundations of American Education*, at JMU.
- Electives may be selected from the list of approved courses for the Associate in Arts & Sciences (AA&S) degree. See the community college catalogs for this listing. Approved electives are also available from the community college advisors or Counseling Center.

PRAXIS I

- Students should take the state-mandated assessment required for admission to Virginia teacher education programs (currently Praxis I or equivalent) during the first semester of their sophomore year at the community college or as soon as they have completed English 111 and a Math course. **All students must pass this state-mandated assessment prior to being admitted to JMU's teacher education program under this agreement.**

GENERAL ACADEMIC NOTES FOR STUDENTS TRANSFERRING TO JMU SECONDARY EDUCATION PROGRAMS

- Students should meet regularly with their community college education advisor to complete the Intent Form and to monitor their progress at the community college.
- Secondary education students who take SDV 110, *Orientation to Teaching as a Profession*, will receive two credits for JMU's MSSE 101, *Orientation to the Profession*, and one credit as a general elective. Transfer credit will not be granted for SDV 101.
- Students who intend to seek a BA degree at JMU must also meet JMU's foreign language and philosophy requirements. These requirements typically may be met at the community college level; see the JMU catalog for more information.
- Students should contact the JMU Admissions Office to apply for admission to the university and for information on housing, financial aid, etc. They must attend a transfer orientation at James Madison University prior to transfer and are strongly encouraged to meet with education faculty at that time.
- The deadline for transfer students to apply for admission to the teacher education program under this agreement is prior to their first semester of enrollment at James Madison University.
- There are additional requirements for admission to teacher education programs at James Madison University. Furthermore, JMU teacher education students in some education programs may be required to complete a master's degree in addition to the bachelor's degree in their major. It is strongly suggested that students obtain a JMU catalog and read their major and education sections very carefully.
- Students who transfer in the spring may need to extend the time to obtain their degree because of course sequencing.
- See the following websites for more information:

Secondary Education <http://www.jmu.edu/coe/msme/SeEdRequirements.shtml>
Mathematics <http://www.math.jmu.edu/>