

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
CHEMISTRY**

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
CHM 111	College Chemistry I	4	x	x	x
MTH 173 <u>or</u>	Calculus with Analytic Geometry I <u>or</u>	(4-5)	x	x	x
MTH 273	Calculus I	(4)	--	--	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 – 14-15 Credits

Course #	Course Description	Credits	BRCC	LFCC	PVCC
ENG 112	College Composition II	3	x	x	x
CHM 112	College Chemistry II	4	x	x	x
MTH 174 <u>or</u>	Calculus with Analytic Geometry II <u>or</u>	(4-5)	x	x	x
MTH 274	Calculus II	(4)	--	x	x
PSY 230	Developmental Psychology	3	x	x	x

SECOND YEAR

Third Semester – 16 Credits

Course #	Course Description	Credits	BRCC	LFCC	PVCC
PHY 201 <u>or</u>	General College Physics I	(4)	x	--	x
PHY 231 <u>or</u>	General University Physics I	(4)	--	--	x
PHY 241	University Physics I	(4)	--	x	x
CST 100 <u>or</u>	Principles of Public Speaking <u>or</u>	(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
General Elective		3	x	x	x

Fourth Semester – 14 Credits

Course #	Course Description	Credits	BRCC	LFCC	PVCC
PHY 202 <u>or</u>	General College Physics II	(4)	x	--	x
PHY 232 <u>or</u>	General University Physics II	(4)	--	--	x
PHY 242	University Physics I	(4)	--	x	x
Humanities/Fine Arts Elective		3	x	x	x
Social Science Elective		3	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-Chemistry Option – 59-64

ACADEMIC ADVISING NOTES for SECONDARY EDUCATION – CHEMISTRY TRANSFER STUDENTS

CHEMISTRY

- There is no community college course equivalent for JMU course, CHEM 370, *Inorganic Chemistry I*. Student could take CHEM 370 at JMU as a special student during spring of 2nd year if space is available. Otherwise, it must be taken once student has transferred.
- No credit will be given at this time for Organic Chemistry courses taken at the community college level.
- MTH 173-174 is pre-requisite for CHM 111 unless students have high school calculus.
- Students must take a single course sequence: PHY 231-232 **OR** PHY 241-242. The two sequences cannot be mixed. Credit for PHY 242 or PHY 244 labs is negotiable.
- Students should take PHY 201-202 **ONLY** if PHY 231-231 or PHY 241-242 is not offered at the institution. PHY 201-202 will not meet the requirements for all concentrations in JMU's chemistry major and will not be appropriate if student desires to pursue a graduate degree in chemistry at a later date. Please see the JMU catalog for additional information.

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 are should meet regularly with their community college education advisor to complete the Intent Form and to monitor their progress at the community college.
- 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.
- For more information, see the following websites:

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

Chemistry <http://www.jmu.edu/chemistry/future.html>