

Transfer Associate in Arts and Sciences Degree
Concentration in Pre-Teacher EducationSuggested Curriculum Outline and Advising Guide for Students Pursuing Licensure in
PHYSICS

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 <i>or</i>	Calculus with Analytic Geometry I <i>or</i>	(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 – 17-18 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 <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
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
PHY 241	University Physics I	4	X	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 – 15 Credits

Course #	Course Description	Credits	BRCC	LFCC	PVCC
PHY 242	University Physics II	4	X	X	X
PHY 243	Modern Physics	4	--	--	X
Humanities/Fine Arts 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-Physics Option – 64-69

ACADEMIC ADVISING NOTES for SECONDARY EDUCATION – PHYSICS TRANSFER STUDENTS

PHYSICS

- There is no community college course equivalent for JMU course, PHYS 260, *University Physics III*. This course must be taken after enrolling at JMU.
- There is no community college course equivalent for JMU course, MATH 248, *Computers and Numerical Algorithms*. This course must be taken after enrolling at JMU.
- Transfers may be advised to take an additional two-credit course, PHYS 247, *Data Acquisition and Analysis Techniques in Physics*, after enrolling at JMU.
- MTH 173-174 is pre-requisite for CHM 111 unless have high school calculus.

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.
- This program offers the option of completing a B.A. degree, which requires competency in a foreign language at the intermediate level. This requirement may be satisfied by successful completion of the second semester of the intermediate level of the student's chosen language (typically 200-level coursework) or by placing out of that language through the JMU Department of Foreign Languages, Literatures and Cultures' placement test. See the JMU catalog for more information.
- The B.A. option also has a philosophy requirement, which 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>

Physics <http://csma31.csm.jmu.edu/physics/>