

Northern Virginia Community College & West Virginia University

Associate of Science – Mathematics leading to Bachelor of Science in Mathematics (WVU-BS) Suggested Plan of Study

Northern Virginia Community College	Cr Hrs	WVU Equivalents	Cr Hrs
Year One, 1st Semester			
CSC 110	3	CS 000	3
ENG 111	3	ENGL 101	3
HIS ELECTIVE	3	GEF 7	3
MTH 173	5	MATH 155	5
SDV 100	1	ORIN 000	1
TOTAL	15		15
Year One, 2nd Semester			
CSC 200	4	CS 000	4
ENG 112	3	ENGL 101	3
MTH 174	5	MATH 156 BS AREA 1-1	5
SOCIAL SCIENCE ELECTIVE	3	GEF 4	3
TOTAL	15		15
Year Two, 1st Semester			
HUM/ARTS	3	GEF 6	3
MTH 277	4	MATH 251 BS AREA 1-2	4
PHYSICAL/NATURAL SCI	4	GEF 2B BS AREA 2-1	4
MTH ELECTIVE	3	MATH 000	3
PHYSICAL ACTIVITY	1	PE 000	1
TOTAL	15		15
Year Two, 2nd Semester			
CST 110	3	COMM 104	3
HUM/ARTS	3	ELECTIVE	3
MATH ELECTIVE	3	MTH 000	3
PHYSICAL/NATURAL SCI	4	BS AREA 2-2	4
SOCIAL SCIENCE ELECTIVE	3	ELECTIVE	3
TOTAL	13		13

WEST VIRGINIA UNIVERSITY

Year Three, 1st Semester		Year Three, 2 nd Semester	
MATH 261	4	MATH 283	3
STAT 215	3	MATH 343	3
MATH 222	3	MATH ELECTIVE	3
MATH 495	1	ELECTIVE	3
ELECTIVE	3	ELECTIVE	3
TOTAL	14	TOTAL	15
Year Four, 1 st Semester		Year Four, 2 nd Semester	
MATH 341/381/456	3	MATH 451	3
MATH ELECTIVE	3	MATH 495	3
BS AREA 3-1	4	BS AREA 3-2	4
ELECTIVE	3	MATH 341/381/456	3
ELECTIVE	3	ELECTIVE	1
TOTAL	16	TOTAL	14

Students must have successfully passed MTH 173 with a grade of C or better in order to be admitted into the Mathematics program upon arrival to WVU. This requirement is also necessary to complete other graduation requirements in a 4 year timeline.

Although MTH 291 Differential Equations is not equivalent to MATH 261 at WVU, students are encouraged to utilize their MTH Elective during the 4th semester to take MTH 291. The covered material will assist in the transition to the first semester at WVU where MATH 261 will be required.

Students should consult the BS degree requirement spreadsheet and strategically use their lab science electives to progress towards completion of those requirements.

The WVU General Education Foundations curriculum (GEF) includes eight areas (F1-F8). F1 (Composition and Rhetoric), F2 (Science & Technology), and F3 (Mathematics & Quantitative Skills) are specified above. These 3 Areas will be fulfilled by General Education requirements at Northern Virginia. Students must also complete 3 credit hours from each of the GEF Areas 4 through 7, and are encouraged to study the provided GEF chart to select electives that satisfy these requirements. By using the suggested plan of study above, students are able to fulfill this requirement prior to graduation from Northern Virginia Community College. Students not completing this requirement at NOVA will need to utilize ELECTIVE credit at WVU to do so.

The WVU GEF curriculum also includes 9 credits (normally 3 three-credit courses) of Focus coursework (F8), to help students capitalize on the range and diversity of courses offered at WVU. In order to maximize connections, incorporate additional competencies, and encourage true breadth of study, students must fulfill the Focus through completion of one of the following academic paths: (a) completion of a minor; (b) completion of a double major or dual degree, or (c) completion of 9 credits of additional coursework from the list of courses approved for GEF

Areas F1 through F7. Northern Virginia students are encouraged to utilize ELECTIVE credit, and the GEF spreadsheet, to take courses that complete this requirement at NOVA. Northern Virginia students following this pathway will only need to complete 2 additional GEF courses, as MTH 174 will satisfy the first portion of this requirement.

Students completing degrees in WVU's Eberly College of Arts and Sciences are encouraged to work with their advisors to integrate completion of an academic minor or minors into their programs of study, to the degree allowed within elective hours. WVU offers over 100 minors that complement major fields of study, build on students' unique interests, expand perspectives, and broaden skills. See <http://catalog.wvu.edu/undergraduate/minors/#minorsofferedtext> for a list of available minors. Northern Virginia students may begin completion of certain minors at NOVA by utilizing ELECTIVE hours to take courses equivalent to the minor's introductory requirements at WVU.

Students who have questions about admission into their intended program, Bachelor of Science requirements, GEF requirements, GEF Focus courses, minors, or any other issue relating to academics at West Virginia University should contact the Office of Undergraduate Education at WVU.

The above transfer articulation of credit between West Virginia University and Northern Virginia Community College, is approved by the Dean, or the Dean's designee, and effective the date of the signature.

Print Name

Signature

Date