Radford University Bachelor of Science in Mathematics (Applied Math Concentration)
Associate Transfer Degree Plan in Mathematics

COURSE REQUIREMENTS

Complete at VCCS				Complete at Radford University		
BACHELOR'S DEGREE REQUIREMENT		SATISFIED BY		BACHELOR'S DEGREE REQUIREMENT		
Course	Credits	CC Course	Notes	Course	Credits	Notes
UNIV 100	1-2	SDV 100 or 101		MATH 261	1	
ENG 111	3	ENG 111		INSY 275 or ITEC 120	3-4	
General Education	3	ENG 112 or 113		STAT 302	3	
General Education	3	Any UCGS Art or Humanities		MATH 300	3	
General Education	3	Any UCGS Art, Humanities, or Literature	This course must come from a different discipline than prior requirement.	MATH 430	3	Prerequisite MATH 300
General Education	3	Any UCGS Social & Behavioral Science		MATH 431	3	Prerequisite MATH 430
General Education	4	PHY 241	PHY 241 is a required course in the Applied Mathematics concentration.	MATH 434	3	Prerequisite MATH 261; and ITEC 109, ITEC 118, or ITEC 120
MATH 125 MATH 138	6-8	Math prerequisites (MTH 161 PreCalculus I / MTH 162 PreCalculus II, MTH 167 PreCalculus with Trigonometry)	MTH 161 transfers as Math 125 MTH 162 or MTH 167 transfer as MATH 138. These courses should be taken only if needed as prerequisite)s to MTH 263	MATH 435	3	Prerequisite MATH 434
MATH 171	4	MTH 263 Calc I	A grade of C or better required	ENG 306	3	
General Education	3	Any UCGS History		Additional Mathematics/Science Credits	6	6 credits chosen from: Any 300- or 400-level mathematics or statistics course, any ITEC course numbered 200 or above, with the exception of ITEC 200, 202, or ITEC 281; any physics course numbered 300 or above; any

						chemistry course numbered 200 or above; GEOS 250 or 380; or other courses approved by the department
General Education	3-4	Any UCGS course		BS Requirements	3	Any physics course numbered 300 or above; any astronomy course; any biology course; any chemistry course; any geology course; or GEOS 130
General Education	3-4	Any UCGS course		Free Electives	25-26	Electives needed to meet 120-hour graduation requirement at Radford University. Students could be recommended to complete a minor related to mathematics and/or statistics
MATH 172	4	MTH 264 Calc II	A grade of C or better required.			
MATH 271	4	MTH 265 Calc III	A grade of C or better required.			
MATH 260 Linear Alg and MATH 346 Diff Equations	6	MTH 266 Linear Alg and MTH 267 Diff Equations .				
STAT 301 and PHYS 222	7	MTH 283 Probability & Statistics and PHY 242 University Physics II				
	3-6	Additional transfer electives, if needed to meet 60 credits				
CREDITS PRE-TRANSFER: 60-63				**CREDITS POST-TRANSFER: 60**		

* **A** = Completion of the Associate Degree satisfies this General Education Requirement. **U** = This course satisfies a Uniform Certificate of General Studies requirement.
 P = This course satisfies a Passport requirement.

TRANSFER GUIDANCE

Guaranteed Admission Agreement

By meeting the following criteria, students who complete the prescribed curriculum and meet the criteria below are guaranteed admission into Radford University.

- Earn a transferable associate degree
- Earn a minimum 2.8 cumulative GPA
- Be in good standing at the current institution

  Please visit the TransferVirginia.org portal to explore different majors (Transfer Tools) and **Transfer Guides** that outline course requirements for specific majors. (Resource Center)

IMPORTANT LINKS & DATES:

- **University Transfer Center:** https://admissions.radford.edu
- **Admission Application:** By March 1 for Priority Fall Admission   and November 1 for Priority Spring Admission   at https://radford-info.org/transfer/
- **Financial Aid:** https://www.radford.edu/fin-aid
- **FAFSA - Free Application for Federal Student Aid:** Priority deadline is February 1; apply online at https://studentaid.gov/

WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- Create a schedule for all required courses. Pay attention to prerequisites and when courses are offered. Complete your first math and English courses in your first year. For help, view the Transfer Steps and Resource Center at www.TransferVirginia.org
- Connect with an advisor at your community college and Radford University within your first year. Set up an account at www.TransferVirginia.org

IS THIS DEGREE RIGHT FOR ME?

- You are planning on completing a degree which will include skills to solve problems in physical science and engineering, computing, business, economics, medicine, and the social sciences
- This program allows you to finish your bachelor degree coursework in as little as two years or provides the flexibility to go at a slower pace

WHAT IS THE IMPACT ON MY DEGREE OF WORK I HAVE ALREADY COMPLETED?

- **Associate Transfer Degree Completion**: The completion of the transfer-oriented degree program will satisfy the REAL Curriculum (lower division/general education) requirements Students will need to complete all other University, college, and departmental requirements in order to obtain the baccalaureate degree from RU
- **Dual Enrollment – Completion of Associate Degree in HS:** Students completing the associate degree in high school should apply using the freshman application. If admitted, the student will receive the benefits associated with the transferable associate degree (as noted prior)
- **Credit for Prior Learning:** AP, IB, and CLEP will be evaluated for credits (based on receipt and evaluation of scores). See https://catalog.radford.edu/content.php?catoid=57&navoid=2777

- **Catalog Year:** Students will be subject to the catalog in effect at the time of enrollment at RU unless otherwise requested

IS THIS COLLEGE RIGHT FOR ME?

- Located in the city of Radford, Radford University's campus community is well-known for strong faculty/student connections, vibrant student life and a commitment to student support.
- Situated in the stunning landscape of southwest Virginia, there are plenty of nearby opportunities to explore the outdoors.
- With 70+ bachelor's degree programs across a variety of disciplines, the classes at Radford are hands-on and held in state-of-the-art facilities designed to prepare for your chosen career path.
- Transfer students have the option to live on-campus or off-campus in the local area.
- Over 80% of students receive some form of financial aid.
- 16 Division 1 teams and 300+ student organizations.

Learn more about our college at www.TransferVirginia.org

DID YOU KNOW THAT…

- Completing your Associate transfer degree satisfies all lower division general education requirements and increases the chance of completing your bachelor's degree
- Exceeding 3 years or 90 credits at your community college means you may have exhausted your financial aid and have limited your future financial aid at Radford University.

WHAT CAN I DO WITH THIS DEGREE?

- Explore possible careers, salaries, and job outlook at www.TransferVirginia.org
- https://www.radford.edu/content/csat/home/math/about/why-math.html

PROGRAM SUCCESSES & HIGHLIGHTS

- We have dedicated faculty, including the 2019 Virginia winner of the top award for teaching excellence, who have been recognized for their outstanding work
- Our faculty their own journals, including the *Electronic Journal of Mathematics and Technology* and *Virginia Mathematics Teacher*, of which students can publish their own research
- Our math class sizes are very small; upper level classes often have less than 10 students

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- Of students who apply, usually about 65% of transfer applicants are accepted to Radford University and about 80% of the entering transfer class comes from the Virginia Community College System. Learn more about applying at www.TransferVirginia.org.

DO MORE WITH YOUR DEGREE!

- https://www.bls.gov/ooh/math/mathematicians-and-statisticians.htm
- https://www.ams.org/education/math-work

OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?

- All students must complete a total of at least 120 credit hours.
- Overall GPA on all Radford University courses must be at least 2.0
- Overall GPA on courses in major taken at Radford University must be at least 2.0