Radford University –BS in Computer Science with Concentration in Advanced Computer Science

TRANSFER GUIDE
Catalog Years: 2024-2025

Associate Transfer Degree Plan in Computer Science

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		CS 230-Foundations of Cloud Computing	3	
ENGL 111	3	ENG 111		CS 340-Database 1	3	Prerequisite: CSC 223
ENGL 112	3	ENG 112		CS 345-Introduction of Information Security	3	Prerequisite: CSC 222
General Education	3	Any UCGS Art or Humanities (PHI 220 may be required)	PHI 220 is transferable to PHIL 112.	CS 350-Introduction to Computer Networks	3	Prerequisite: CSC 223
General Education	3	Any UCGS Art, Humanities, or Lit	This course must come from a different group than prior requirements.	CS 352-Computer Organization	3	Prerequisite: CSC 223
HIST 111 or HIST 112	3	HIS 121 or 122	HIS 121 is transferable to HIST 111. HIS 122 is transferable to HIST 112.	CS 360-Data Structures and Analysis of Algorithms	3	Prerequisite: CSC 223
General Education	3	Any UCGS Social/Behavior Science	This course may not be a history course.	CS 370-Software Engineering	3	Prerequisite: CSC 223
Bachelors of Science Requirement	4	BIO 101, CHM 111, or PHY 241, GOL 105, GOL 106, GOL 110	B.S. Requirements (6-8 credits): This requirement must be a natural science.	CS 371-Operating Systems	3	Prerequisite: ITEC 352
MATH 171: degree requirement	4	MTH 263		CS 380-Organization of Programming Languages	3	Prerequisites: CS 220 (Students need to take either CS 380 orCS 420.)
STAT 200: degree requirement	3	MTH 245 or 264	MTH 245 is transferable to STAT 200.	CS 390-Career Preparation	1	Junior Standing

TransferVirginia.org

Bachelors of Science Requirement	4	BIO 102, CHM 112, GOL 105, GOL 106, GOL 110, or PHY 242.	B.S. Requirements (6-8 credits): This requirement must be a natural science and it does not need to be in a sequence with the Natural Science requirement above.	CS 411-Societal Security in Computing	3	Prerequisite: CSC 222
CS 101: Degree Requirement	3	CSC 221	Students will learn two languages over the course of the CSC 221-222-223 Sequence. Languages: C++, JAVA, Python.	CS 420-Computability Theory and Formal Languages	3	Prerequisite: CS 322 (Students need to take either CS 380 or CS 420.)
CS 120: Degree Requirement	4	CSC 222		MATH 172-Calculus and Analytical Geometry 2	4	Prerequisite: MTH 263
CS 220: Degree Requirement	4	CSC 223		STAT 301-Probability and Statistics	4	Prerequisite: MTH 263
CS 322: Degree Requirement	3	CSC 208 or MTH 288		Additional Coursework at either RU or VCCS to reach 120 credit hours total.	21	
CS 252: Degree Requirement	3	CSC 205, CSC 215, or MTH 265	CSC 205 is transferable to CS 252.			
CS 345, CS 252, MATH 271: Degree Requirement PHYS 111, COMS 114, COMS 130, MATH 260: General Education	2-5	Additional science as above plus PHY 201, CSC 205, CSC 215, CSC Fundamentals of Cyber Security (under dev), EGR 121, EGR 122, EGR 270, CST 100, CST 110, World Languages, MTH 265, MTH 266, Prerequisite Courses: MTH 161/162, MTH 167	Transfer Equivalencies: PHY 201 = PHYS 111 CSC 205 = CS 252 CSC Fundamentals of Cyber Security (under dev) = CS 345 EGR 270 = CS 252 CST 100 = COMS 114 CST 110 = COMS 130 MTH 265 = MATH 271 MTH 266 = MATH 260			
CS 345, CS 252, MATH 271: Degree Requirement PHYS 111, COMS 114, COMS 130, MATH 260: General Education	2-5	Select course from previous list.				
	2-5	Select course from previous list.	Only needed if the credit total is below 60.			
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			Note: Any hours taken through the VCCS to count toward the 120 credit hour requirement for a BS degree must be a transfer class with at least a C earned.			
CREDITS PRE-TRANSFER: 60				**CREDITS POST TRANSFER: 60**		

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 and Computer Science.

- 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://www.radford.edu/admissions/apply/index.html
- **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?

- Completing your English and first math courses in your first year is recommended.
- Create a schedule for all required courses, pay attention to prerequisites and when courses are offered. For help, see Transfer Steps and Resource Center www.TransferVirginia.org .
- Connect with an advisor at your community college and an admissions counselor at Radford University within your first year. College Connect is available in your account at www.TransferVirginia.org.

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 official scores).

- **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?

- Main campus is located in the city of Radford and our Radford University Carilion campus is located in Roanoke. RU is well-known for strong faculty/student bonds, 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 designed to help you prepare for your chosen career path.
- Transfer students have the option to live on-campus or off-campus within the local area.
- Over 80% of students receive some form of financial aid.
- 16 Division I teams and 300+ student organizations.

Learn more about our university at www.TransferVirginia.org

IS THIS DEGREE RIGHT FOR ME?

- You are seeking a career in a technical area which requires a computer science degree.
- You are planning on completing a degree which will include CSC 221, 222, 223 and at least one semester of calculus.

WHAT RESOURCES ARE AVAILABLE TO HELP ME SELECT A MAJOR?

- Radford University's career coaches in Career and Talent Development can help you discover what career paths may best fit your unique talents and skills.
- Academic advisors in our Highlander Success Center can help you understand our majors, minors and concentrations.
- Learn more about career pathways at www.TransferVirginia.org

DID YOU KNOW THAT…

- Completing your Associate transfer degree post-high school 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 at that college 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

PROGRAM SUCCESSES & HIGHLIGHTS

- Graduates of this program enjoy high rates of employment with over 90% being employed in the field within a few months of graduation. Employers include CGI, Booz-Allen Hamilton, 1901 Group, Peraton, and Epic.
- The computer science program offers additional concentrations in software engineering, database and networks. Many students opt to concentrate in multiple areas to increase their technical expertise.

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 designated in major and taken at Radford University must be at least 2.0.

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- Generally, about 65% of transfer applicants are offered admission to Radford University
- On average, about 80% of the entering transfer class comes from the Virginia Community College System

Learn more about applying at www.TransferVirginia.org