

Radford University Bachelor of Science in Biomedical Sciences

Associate Transfer Degree Plan in Biology

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 or BIOL 160*	1-2	SDV 100 or SDV 101	*Only the 2-credit SDV 101 option can transfer in as our BIOL 160 course.	BIOL 160 or BIOL 460 Introductory or Advanced Seminar	2	Introduction to the major (Transfer-specific BIOL 160) or Senior seminar focuses on current scientific literature and research
ENGL 111	3	ENG 111	Serves as foundational writing credits	BIOL 112 Integrative Biology II	4	Prerequisite BIOL 111, 131, 132 or 105; required course and pre-req. for advanced BIOL courses
ENGL 112	3	ENG 112 or 113	Satisfies a writing intensive requirement	BIOL 222 Evolution	3	Prerequisite BIOL 111, 131, 132 or 105; required course and pre-req. for advanced BIOL courses
Fulfills Gen Ed	3	Any UCGS Art or Humanities		BIOL 340 Science in Culture & Society	3	Prerequisite 4-credits BIOL or CHEM; required course and pre-req. for advanced BIOL courses
Fulfills Gen Ed	3	Any UCGS Art, Humanities, or Literature	This course must come from a different discipline than required course above.	BIOL 460 Advanced Seminar	2	Senior seminar focuses on current scientific literature and research; pre-req = 28 credits of BIOL courses.
PSYC 121 or SOCY 110	3	Any UCGS Social & Behavioral Science	PSY 200 (RU transfer PSYC 121) or SOC 200 (RU transfer SOCY 110) recommended to meet major requirements	CHEM 301 & CHEM 302 Organic Chemistry I & II	8	Only needed if CHM 241 Organic Chem I + CHM 243 or 245 Lab and CHM 242 Organic Chem II + CHM 246 Lab II not transferred Pre-req for CHEM 301 is CHEM 112 Pre-req for CHEM 302 is CHEM 301
BIOL 111	4	BIO 101	Fulfills major requirement			
MATH 126, 171, or STAT 200	3-4	MTH 261 Applied Calculus I, MTH 263 Calculus I, or MTH 245 Statistics	Recommend completing MTH 263 to meet math requirement of MATH 271. Completing a pre-req. course is an appropriate option too.			

Fulfills Gen Ed	3	Any UCGS History				
BIOL 112	4	BIO 102	Fulfills major requirement	PHYS 111 & 112 or PHYS 221 & 222 Physics I & II	8	Only needed if PHY 201 & 202 or PHY 241 & 242 not transferred
CHEM 111	4	CHM 111	Fulfills major requirement	BIOL 471 Biochemistry I	3	Prerequisite CHEM 302
CHEM 112	4	CHM 112	Fulfills major requirement	BIOL 474 Biochemistry I Lab	1	Prerequisite CHEM 302
BIOL 334, BIOL 230, or BIOL 231	4	BIO 205 General Microbiology, BIO 206 Cell Biology, or BIO 256 Genetics	Counts as BIOL electives toward Biology major requirements	STAT 200 or 219	3	Only needed if MTH 245 Statistics not transferred
BIO 215, BIO 216, BIO 229, CHEM 301	4-5	BIO 110 Gen Botany, BIO 120 Gen Zoology, BIO 270 Ecology, or CHM 241 Organic Chem I + CHM 245 Lab	Recommend completing CHM 241 + 245 to meet major requirements	Required Biomedical Sciences Electives	Up to 18	18 credit hours of health-focused Biomedical Sciences electives required. Course transferred in as any of the required BIOL coursework can be applied to these 18 credit hours.
BIOL 310, BIOL 311, BIOL 412, CHEM 302, CHEM elective, ITEC 109, GEOL 105, GEOL 106, STAT 200, PHYS 111, PHYS 112 or PHYS 221, PHYS 222	3-8	Courses from prior rows, BIO 141 & BIO 142 Anatomy & Physiology, BIO 220 Immunology, CHM 242 Organic Chem II + CHM 246 Lab II, CHM 260 & CHM 261 Intro Biochemistry, CSC 221 Intro to Problem Solving & Programming, ENV 285 Environmental Policy, GOL 105 Phys Geology, GOL 106 Hist Geology, MTH 245 Statistics, PHY 201 & PHYS 202 College Physics I & II, or PHY 241 & PHYS 242 Univ Physics I & II	Recommend completing any of the courses below to meet requirements: CHM 242+246, PHY 201 or 241 and PHY 202 or 242, MTH 245	Additional coursework at RU or VCCS to reach 120 credit hours		Any credit hour 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.
MATH 125	Up to 12	Math prerequisites (MTH 161 PreCalculus I) World Languages, other college requirements, or additional transfer electives.	MTH 161 transfers as MATH 125 and meets foundational math requirement.			

CREDITS PRE-TRANSFER: 60-62

CREDITS PRE-TRANSFER: 58-60

TRANSFER GUIDANCE

Guaranteed Admission Agreement

By completing a transferable associate degree with a 2.8 GPA, students meet the criteria for guaranteed admission into Radford University and Biology.

- 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](https://www.TransferVirginia.org) portal to explore different majors (Transfer Tools) and Transfer Guides that outline course requirements for specific majors.

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 March 1; apply online at <https://studentaid.gov/>.

WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- Select courses that allow room in your schedule for Biomedical Sciences-specific electives at Radford University.
- 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, see Transfer Steps and Resource Center at www.TransferVirginia.org.
- Connect with an advisor at your community college and Radford University within your first year. College Connect available in your account at www.TransferVirginia.org.

IS THIS DEGREE RIGHT FOR ME? YES, IF YOU ARE INTERESTED IN...

- Developing marketable skills for any job opportunity (e.g., analytical skills, collaboration).
- Being successful in graduate school (MS, PhD) or professional school (DO, MD, DDS, PA).
- Conducting authentic research in the classroom or with a faculty member.
- Developing a science identity as you practice being a scientist. Modern technology, instrumentation, field equipment, and human/non-human models that allow you to collect your own data or learn using authentic examples.
- Advising on careers and progress through the major by a faculty member in your area of interest.

- Modern technology, instrumentation, field equipment, and human/non-human models that allow you to collect your own data or learn using authentic examples.
- A close network of peers who can support you as you progress through your program.

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=55&navoid=2617>
- **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? YES, IF YOU ARE LOOKING FOR...

- 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 college 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

- 18 full-time faculty for 250-280 students in Biology Department majors.
- 90% of our students present their work at a symposium or conference where networking with other scientists is important.
- 50% of our majors join a faculty's members research program.
- 20% of our undergraduate students are authors on a publication or successful grant that funds their research.

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- The Department of Biology does not have an application of entry into our majors.
 - Of students who apply to the university, usually about 65% of transfer applications are accepted to Radford University and about 80% of the entering transfer class comes from the Virginia Community College System
 - 100% of transfer students are accepted into our program.
- Learn more about applying at www.TransferVirginia.org

OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?

Although there are no other program requirements, students have an opportunity to:

- Engage with many student-led clubs and organization.
- Gain authentic experiences that prepare them for their future post-Radford.