South Carolina

This course plan is a recommended sequence for this major. Courses designated as critical (!) may have a deadline for completion and/or affect time to graduation. Please see the Program Notes section for details regarding "critical courses" for this particular Program of Study.

Critical	Course Subject and Title	Credit Hours	Min. Grade[1]	Major GPA[2]	Code	Prerequisites	Notes
Semester One (17-18 Credit Hours)							
!	ENGL 101 Critical Reading and Composition	3	C		CC-CMW		
!	MATH 122 Calculus for Bus. Admin. & Soc. Sciences *or* MATH 141 Calculus 1[3]	3-4			CC-ARP	C or better in MATH 111/111I/115 *(MATH 122)*; C or better in MATH 115 *(MATH 141)*; *or* Math placement test score	
	BIOL 101 Biological Principles I	3	C		PR	Coreq: BIOL 101L	
	BIOL 101L Biological Principles I Lab	1	C		PR	Coreq: BIOL 101	
!	CHEM 111 General Chemistry I	3	C		PR	C or better in MATH 111, 115 or higher math *or* Math placement test score; Prereq or Coreq: CHEM 111L	
	CHEM 111L General Chemistry Lab	1	C		PR	Coreq: CHEM 111	
	UNIV 101 The Student in the University *(Elective)* *or* Carolina Core Requirement[4]	3			PR/CC		
Semester Two (17-18 Credit Hours)							
!	ENGL 102 Rhetoric and Composition	3	C		CC-CMW CC-INF	C or better in ENGL 101	
	STAT 201 Elementary Statistics	3			CC-ARP	MATH 111 *or* 115 *or* STAT 110	
	BIOL 102 Biological Principles II	3	C		PR	Coreq: BIOL 102L	
	BIOL 102L Biological Principles II Lab	1	C		PR	Coreq: BIOL 102	
!	CHEM 112 General Chemistry II	3	C		PR	C or better in CHEM 111 *and* MATH 111, 115 or higher math; Coreq: CHEM 112L	
	CHEM 112L General Chemistry II Lab	1	C		PR	Coreq: CHEM 112	
	Foreign language[5] *or* other Carolina Core Requirement[4]	3-4			CC-GFL		
Semester Three (16 Credit Hours)							
	BIOL 243 Human Anatomy and Physiology I	3	C		PR		
	BIOL 243L Human Anatomy and Physiology Lab I	1	C		PR	Prereq or Coreq: BIOL 243	
	BIOL 303 Fundamental Genetics	3	C		MR	C or better in BIOL 101 and BIOL 102 *or* MSCI 311	
!	CHEM 333 Organic Chemistry I	3	C		MR	C or better in CHEM 112 *or* CHEM 142	
!	CHEM 331L Essentials of Organic Chem. Lab I	1	C		MR	Prereq or Coreq: CHEM 333	
	Carolina Core Requirement[4]	3			CC		
	Foreign language[5] *or* other Carolina Core Requirement[4]	3			CC-GFL		
Semester Four (18 Credit Hours)							
	BIOL 244 Human Anatomy and Physiology II	3	C		PR	Prerequisite: BIOL 243	
	BIOL 244L Human Anatomy and Physiology Lab II	1	C		PR	Corequisite: BIOL 244	
	BIOL 302 Cell & Molecular Biology	3	C		MR	C or better in BIOL 101, in either BIOL 102 *or* MSCI 311, *and* CHEM 112	
	CHEM 334 Organic Chemistry II	3	C		MR	C or better in CHEM 333	
	CHEM 332 Lab Essentials of Organic Chem. Lab II	1	C		MR	CHEM 331L; Prereq or Coreq: CHEM 334	
	CLAS 230 Medical and Scientific Terminology	3			CR		
	Foreign language[5] *or* Carolina Core Requirement[4]	3			CR/CC		
Semester Five (17 Credit Hours)							
	Biology or Chemistry Elective[7]	4	C		MR		
	PHYS 201 General Physics I	3	C		CC-SCI	C or better in MATH 111/111i/112/115/ 116/122/141 or higher	
	PHYS 201L General Physics Lab I	1	C		CC-SCI	Prereq or Coreq: PHYS 201	
	CSCE 102 General Applications Programming	3			CR		
	History[6]	3			CR		
	Carolina Core Requirement[4]	3			CC		
Semester Six (14-17 Credit Hours)							
	Biology or Chemistry Elective[7]	4	C		MR		
	PHYS 202 General Physics II	3	C		CC-SCI	C or better in PHYS 201	
	PHYS 202L General Physics Lab II	1	C		CC-SCI	Prereq or Coreq: PHYS 202	
	Social Science	3			CR		
	Carolina Core Requirement[4] *or* Approved Elective[8]	3			CC/PR		
	Carolina Core Requirement[4] *or* Approved Elective[8] *(only if needed to meet Carolina Core or hours to graduate)*	0-3			CC/PR		
Senior Year							
CVT Training: 18 month intensive CVT training program (Providence Hospital in Columbia, SC or University Hospital in Augusta, GA)[9] (28 Credit Hours)							

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Graduation Requirements Summary

Minimum Total Hours	Minimum Major Requirements Hours	College & Program Requirements Hours	Carolina Core Hours	Minimum Institutional GPA
100	50	36-48	32-44	2.75

1. Regardless of individual course grades, students must have a minimum 2.50 GPA upon completion of 30 credit hours and a minimum 2.75 GPA upon completion of 60 hours.
2. Some colleges require a minimum GPA for major courses. Courses indicated in this column are included in the major GPA for this program of study.
3. Students who do not place into MATH 122 or 141 will be required to successfully complete the required prerequisite before taking either MATH 122 or 141.
4. The Carolina Core provides the common core of knowledge, skill and academic experience for all Carolina undergraduate students.
5. Students in the College of Arts and Sciences are required to demonstrate proficiency in one foreign language equivalent to the 122 course through course credit or the corresponding foreign language placement score.
6. The College of Arts and Sciences requires one U.S. History and one non-U.S. History course, both of which must be chosen from the approved Carolina Core GHS courses. Whichever is not fulfilled through the Carolina Core GHS requirement must be fulfilled through this college requirement.
7. Biology or Chemistry Elective (8 hours): Select from BIOL/CHEM 300-699.
8. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.
9. Upon completion of the specified academic requirements, only students who have gained admission into an approved CVT training facility will be retained in the major. Following the academic portion of the Cardiovascular Technology Program, an 18 months clinical training program in an approved facility will be the final stage of the degree program. Students will be awarded 28 credit hours upon completion of the clinical portion of the training.

Program Notes:
- ENGL 101 and ENGL 102 must be completed in the student's first 60 semester hours of work in order for these courses to be credited toward graduation. Other courses identified as "critical" may affect time to graduation due to prerequisite requirements for subsequent required courses.
- All undergraduate students must take a 3-credit course or its equivalent with a passing grade that covers the founding documents. This course may fulfill any requirement in the program of study. Courses that meet this requirement are listed in the academic bulletin.
- Students who have already completed a CVT training program or CVT internship will not be eligible for acceptance into this major.
- The last 30 credit hours toward your degree must be earned in residence at the University of South Carolina-Columbia.

University Requirements: Bachelor's degree-seeking students must meet Carolina Core (general education) requirements. For more information regarding these requirements, please visit the Carolina Core page on the University website.

Codes:			
CC	Carolina Core	**CC-INF**	Carolina Core – Information Literacy
CC-AIU	Carolina Core-Aesthetic and Interpretive Understanding	**CC-INT**	Carolina Core – Integrative Course
CC-ARP	Carolina Core-Analytical Reasoning and Problem-Solving	**CC-SCI**	Carolina Core – Scientific Literacy
CC-CMS	Carolina Core-Effective, Engaged, and Persuasive Communication: Spoken Component	**CC-VSR**	Carolina Core – Values, Ethics, and Social Responsibility
CC-CMW	Effective, Engaged, and Persuasive Communication: Written Component	**CR**	College Requirement
CC-GFL	Carolina Core-Global Citizenship and Multicultural Understanding: Foreign Language	**MR**	Major Requirement
CC-GHS	Carolina Core – Historical Thinking	**PR**	Program Requirement
CC-GSS	Carolina Core – Social Sciences		

Disclaimer: Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.