

**USING THIS GUIDE:**

This guide has been published to assist students in preparing for transfer to Webster University from St. Charles Community College in the areas of Biology and Exercise Science. This should not be used in place of individual academic advising. Students are strongly encouraged to meet with a Webster University transfer admissions counselor early in their academic career to ensure a smooth transfer experience.

DEGREE REQUIREMENTS:

Major Required Courses	66-84 credits
General Education/Global Citizenship Program*	27-30 credits
Electives	14-35 credits
Total	128 credits

DEPARTMENT OF BIOLOGICAL SCIENCES DEGREES & MAJORS:**MAJOR REQUIRED CREDITS:**

B.A. Biology	66 credits
B.A. Biology with an emphasis in Biodiversity	70 credits
B.A. Biology with an emphasis in Education	72 credits
B.A. Biology with an emphasis in Health Sciences	72 credits
B.S. Biological Sciences	80 credits
B.S. Biological Sciences with an emphasis in Chemistry	82 credits
B.S. Biological Sciences with an emphasis in Health & Medicine	82 credits
B.S. Biological Sciences with an emphasis in Research & Technology	84 credits
B.S. Computational Biology (new major)	83 credits
B.S. Exercise Science	71 credits

***GENERAL EDUCATION/GLOBAL CITIZENSHIP PROGRAM:**

Webster University requires all baccalaureate students to complete a general education program. The University is implementing a new set of general education requirements. The Global Citizenship Program (GCP) is a set of undergraduate degree requirements and a general education program developed by Webster University faculty to help prepare students to confront global problems and 21st century challenges.

Students who complete an Associate of Arts (A.A.) degree or the CBHE-approved block of general education before transferring to Webster University will have satisfied the general education requirements and FRSH 1200 First Year Seminar requirement of the GCP. All students are required to take the Global Keystone Seminar at Webster.

Students completing other associate degrees will have previous credits reviewed on a course-by-course basis for applicability to the GCP. See *GCP Transfer Guide developed for St. Charles Community College*.

IMPORTANT TRANSFER NOTES:

- Webster has a minimum residency requirement that 30 of the student's last 36 credits must be taken at

Webster University. All students must have a minimum of 128 credit hours to graduate.

- Students must complete a minimum of 18 credits of required coursework at Webster within the Biological Sciences department, which should include BIOL 4400 (Research Methods), BIOL 4420 or 4430 (Senior Thesis), and 12 credits of 3000-4000 level courses in biology or chemistry. Required courses must be completed at Webster University once the student matriculates at Webster.
- Science courses taken more than 10 years ago may not count as the prerequisite for certain advanced courses.
- No more than 6 credit hours of independent study and/or reading courses may count toward the major required hours.
- Students must earn a grade of C- or better in any course they wish to apply toward their major or general education/GCP.
- Webster University provides full transfer of coursework successfully completed as part of an associate degree awarded by a regionally accredited institution. While students with associate degrees typically transfer 60-64 credit hours, Webster will transfer in all coursework that is part of the completed associate degree. Transfer of additional lower-division credit beyond the associate degree is restricted. All transfer credit is capped at 98 credit hours.
- All transfer coursework must be college-level (100-level or above) with a passing grade. Pass/Fail courses will count for transfer credit if the student received a Pass. For repeated courses only the second grade will be counted. Incomplete grades are not accepted in transfer. Courses completed with a grade of D have severe transfer restrictions. Formal evaluation of transfer credit is conducted by the Office of the Registrar upon admission to the University.

MISSOURI REVERSE TRANSFER:

Webster University is participating in the [Missouri Reverse Transfer](#) statewide initiative to help more Missourians earn associate degrees. Webster has partnered with each community college in the state to help students apply Webster University credit back to the community college to earn the associate degree, if they transferred prior to earning the degree. Please speak with your transfer admissions counselor or academic advisor for more information.

COURSE EQUIVALENCIES FOR REQUIRED COURSES:

- Required courses for the Bachelor of Arts (BA) degree in Biology are marked with *.
- Required courses for the Bachelor of Science (BS) degree in Biological Sciences are marked with ^.
- Required courses for the Bachelor of Science (BS) degree in Exercise Science are marked with +.
- Required courses for the Bachelor of Science (BS) degree in Computational Biology are marked with ~.

Webster University Course	St Charles CC Course Equivalent
BIOL 1550, 1551 Essentials of Biology I*^+~	BIO 150 General Biology I
BIOL 1560, 1561 Essentials of Biology II*^~	BIO 151 General Biology II
BIOL 1580 Introduction to Computational Biology~	No Equivalent
BIOL 2010 Evolution*^~	No Equivalent
BIOL 3010, 3011 Anatomy & Physiology I+	BIO 250A, 250B Anatomy and Physiology I Lecture/Lab <i>This equivalency is valid for new transfer students entering Webster University with community college credit. Once a student begins to matriculate at Webster, all required courses are to be completed at Webster.</i> <i>Student must take lecture and lab concurrently.</i>
BIOL 3020, 3021 Anatomy & Physiology II+	No Equivalent
BIOL 3050, 3051 Genetics*^~	No Equivalent
BIOL 3080, 3081 Cell Biology^	No Equivalent
BIOL 3150 Nutrition+	BIO 280 Nutrition Pathways <i>This equivalency is valid for new transfer students entering Webster University with community college credit. Once a student begins to matriculate at Webster, all required courses are to be completed at Webster.</i>
BIOL 3200, 3201 Ecology*	No Equivalent
BIOL 3600 Synthetic Biology – BioBlocks~	No Equivalent
BIOL 4050 Gene Expression~	No Equivalent

BIOL 4400 Research Methods*^+~	No Equivalent. Must be taken at Webster University.
BIOL 4420 BA Senior Thesis* <i>or</i> BIOL 4430 BS Senior Thesis^+~	No Equivalent. Must be taken at Webster University.
BIOL 4800 Computational Biology~	No Equivalent
CHEM 1100, 1101 General Chemistry I*^+~	CHM 115 General Chemistry I
CHEM 1110, 1111 General Chemistry II*^+~	CHM 116 General Chemistry II
CHEM 2100, 2101 Organic Chemistry I*^~	No Equivalent
CHEM 3100, 3101 Biochemistry I^	No Equivalent
COSC 1550 Computer Programming I~	CPT 182 Beginning Programming in C++
COSC 1560 Computer Programming II~	CPT 281 Advanced Programming in C++
COSC 1570 Math for Computer Science~	No Equivalent
COSC 2810 Systems Analysis and Design~	CPT 200 Systems Analysis and Design
COSC 4110 Database Concepts~	No Equivalent
HLSC 1352 Strength and Conditioning I+	No Equivalent
HLSC1353 Strength and Conditioning II+	No Equivalent
EXSC 1318 Careers in Exercise Science+	No Equivalent
EXSC 1400 Foundations of Exercise Science+	No Equivalent
EXSC 2356 Principles of Athletic Training+	No Equivalent
EXSC 3050, 3051 Exercise Physiology+	No Equivalent
EXSC 3250 Exercise Kinesiology+	No Equivalent
EXSC 4680, 4681 Exercise Testing and Prescription+	No Equivalent
EXSC 4683 Exercise Prescription for special Populations+	No Equivalent
EXSC 4875 Exercise Science Internship+	No Equivalent
MATH 1430 College Algebra*	MAT 162 College Algebra- STEM Any of the three College Algebra courses offered by SCC would satisfy the requirement, but MAT 162 College Algebra for STEM would be recommended.
MATH 1610 Calculus I^~	MAT 180 Calculus and Analytic Geometry I
MATH 3610 Probability~	No Equivalent
PSYC 2750 Intro to Measurement & Statistics* <i>or</i> MATH 3200 Statistics*^	No Equivalent No Equivalent
PHYS 1710, 1711 College Physics I*+	PHY 150, 153 General Physics I Lecture/Lab Student must take lecture and lab concurrently.
PHYS 1720, 1721 College Physics II*+	PHY 151, 154 General Physics II Lecture/Lab Student must take lecture and lab concurrently.
PHYS 2030, 2031 University Physics I^	PHY 250 Engineering Physics I
PHYS 2040, 2041 University Physics II^	PHY 251 Engineering Physics II
PSYC 2300 Developmental Psychology Across a Lifespan+	PSY 210 Human Growth & Development
STAT 3100 Inferential Statistics~+	No Equivalent

ADDITIONAL COURSE EQUIVALENCIES:

Consult a current [Webster University catalog](#) for the specific requirements of your major before selecting additional courses. **Not all courses apply to all majors/emphases.**

Webster University Course	St Charles CC Course Equivalent
BIOL 3120, 3121 Microbiology	BIO 246 Microbiology <i>This equivalency is valid for new transfer students entering Webster University with community college credit. Once a student begins to matriculate at Webster, all required courses are to be completed at Webster.</i>
CHEM 2110, 2111 Organic Chemistry II	CHM 241, 244 Organic Chemistry II/lab <i>This equivalency is valid for new transfer students entering Webster University with community college credit. Once a student begins to matriculate at Webster, all required courses are to be completed at Webster. Student must take lecture and lab concurrently.</i>
MATH 1620 Calculus II	MAT 230 Calculus and Analytic Geometry II

ELECTIVES:

Elective hours can consist of any college-level courses that are not already being applied to the major or general education requirements of the degree. Many students may choose to obtain a minor out of the required elective hours. Please note that all coursework applied to a minor must be completed at Webster University, with a grade of C- or better.

Webster University reserves the right to correct errors in these listings or to make revisions in degree requirements or course equivalencies without prior notice.