

University of Minnesota

College of Biological Sciences

The College of Biological Sciences (CBS) admits qualified transfer students to all of its majors. Admission is competitive and based on an overall assessment of the applicant's academic record and potential for success in biological sciences as presented in the application materials. Primary review factors include cumulative grade point average and grades in science-related courses, such as calculus, chemistry, physics, and biology.

Secondary review factors include grade trends, completion patterns, and biology-related lab or field research experience. High school grades, class rank and ACT or SAT scores may also be factored into the admission decision for students who have completed fewer than 26 transferable credits. The application for admission is available online at admissions.tc.umn.edu.

Courses listed below are viewed as important evidence of preparation and are required to be completed prior to application:

- One semester of calculus (Math 1081)
- One full year of general chemistry with lab (Chem 1041,1042)

Most successful CBS applicants have a 3.0 or higher science grade point average. This GPA consists of courses in math, physics, biology and chemistry (beginning with equivalents listed above) as well as any upper division science classes.

Priority consideration will be given to students who intend to complete a degree program in CBS. Students who have previously completed a baccalaureate degree and wish to complete prerequisites for professional or graduate schools should consider competing coursework as a non-degree seeking student through the College of Continuing Education (www.cce.umn.edu, 612-624-4000). If a student has earned a bachelor's degree in the biological sciences or closely related field from another four-year institution, he/she may not earn a second bachelor's degree from the CBS. In addition, admission to CBS for those students intending on obtaining a second bachelor's degree from the College of Biological Sciences must meet all the prerequisite requirements for their intended major. Priority will be given to first time bachelor's degree students.

***In addition to the Liberal Education and pre-major requirements students must satisfy the High School Preparation requirements. See the H.S. requirements sheet with the U of M transfer guides.**

Courses that meet CBS major requirements:

Century College	University of Minnesota-Twin Cities
No equivalent at Century	Biol 2002, 2003/2004-Foundations of Biology
Chem 1041,1042	Chem 1061/1065,1062/1066-Principles of Chemistry
Chem 2041, 2042	Chem 2301, 2302, 2311 (lab) –Organic Chemistry
Math 1081,1082	Math 1271,1272-Calculus
Phys 1081, 1082	Phys 1301,1302-Introductory Physics (calculus based)

Note: Students are not required to complete all of the above courses before transferring to CBS, but are strongly encouraged to complete the calculus and chemistry pre-requisites before applying for admission.

*Contact the CBS Transfer Admission Counselor as they consider whether to complete their foundation biology sequence at their transfer institution.

Admission Deadlines:

Completed applications must be received by:

- Fall Semester – March 1(priority deadline) and June 1(final deadline)
- No longer offering spring admission after Sp 2010

To apply, students need to fill out a transfer student application and send official transcripts to the Office of Admissions by the deadlines listed above. The application for admission is available at <http://admissions.tc.umn.edu/admissioninfo/trans.html>

Liberal Education: Either meet the U of M Liberal Education requirements or complete the AA degree or the Minnesota Transfer Curriculum (MnTC) at Century College. Students transferring to CBS after completing the MnTC should be aware that a full-time, balanced course-load in CBS includes several science classes and liberal education or elective courses. University of Minnesota Liberal Education graduation requirements are automatically fulfilled with the completion of the MnTC with the exception of the technology and society requirement. Liberal Education Course Transfer Guides: admissions.tc.umn.edu/cle/ www.uSelectmn.org

More information

Suzi Pyawasay, CBS Transfer Admissions Counselor
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The College of Biological Sciences (CBS) is located on the University's St. Paul Campus and offers seven biology related majors, including:

Updated 11/11 by KW, CC
Updated 11/11 by SP, U of M

◆ **Biology**

The biology program is designed to provide the student with a broadly based, thorough understanding of the fundamental nature of living things and the ways they interact. Students may choose their upper division electives from any CBS Department as well as mathematics, physical sciences, and health sciences to create a major that will encompass their interests.

◆ **Biochemistry**

Biochemists study the structure and function of molecules, such as proteins, nucleic acids and lipids, as they function in living organisms. They learn how diseases such as cancer and diabetes develop at the molecular level and how molecules and microbes can be engineered to create new drugs, improve crop production, and clean up the environment.

◆ **Ecology, Evolution and Behavior**

This program encompasses the growth and maintenance of populations and their interactions in communities; the evolutionary adaptations of plants and animals to their environment, as well as the mechanisms of animal behavior and the evolution of social systems.

◆ **Genetics, Cell Biology and Development**

Students in this program learn about the genetic and cellular basis of life and how a fertilized egg develops into a complete organism. They also study the molecular mechanisms, organization, and expression of genes and the composition, function, assembly and growth of cells.

◆ **Microbiology**

Microbiologists study bacteria, fungi, protozoa, algae, and viruses and their interaction with other organisms. They also study the physiology and characteristics of these microbes and the roles they play in health and disease, the environment, agriculture, and industry.

◆ **Neuroscience**

Students in this program study neuroanatomy and the process that control how we see, hear, feel, move, think and retain memories. It also explores abnormalities that cause brain diseases and molecular mechanisms that underlie pain and addiction.

◆ **Plant Biology**

Plant biologists study the genetics, structure, function, development, classification, evolution, and distribution of plants. Many faculty in this department study different aspects of the genomics of crop plants in order to discover new ways to make crops more productive and less susceptible to climate extremes, pests and disease.

◆ **Pre-Professional Programs**

Students interested in pursuing professional school can complete their undergraduate major in CBS. Our curricula overlap with coursework requirements for admission into schools such as *medicine, dentistry, pharmacy, physical and occupational therapy, and veterinary medicine*.

- ◆ **Career Planning for Biologists: Biol 2001**- All CBS transfer students are required to take this unique career planning course, which utilizes a combination of in-class meetings, one-to-one consultations and on-line participation and instruction. The course will help you identify your strengths, explore careers, and set yourself up for success by taking action to find the right job, internship, or research experience.

More Information:

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