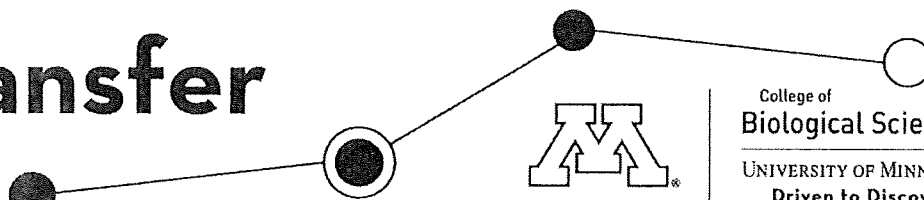


# CBS Transfer Guide



College of  
**Biological Sciences**  
UNIVERSITY OF MINNESOTA  
Driven to Discover™

## *Anoka-Ramsey Community College*

2018-2019

This guide is designed to help you plan ahead to achieve a timely graduation from the College of Biological Sciences (CBS) at the University of Minnesota. Transfer course policies, course equivalencies, and degree requirements are subject to change prior to your enrollment in CBS. We strive to provide helpful information for transfer planning, but final transferability of courses and applicability to your major will be determined at the time of your enrollment.

### **Understanding U of M Degree Requirements**

To earn a bachelor's degree from the University of Minnesota, you need to complete two sets of requirements:

#### LIBERAL EDUCATION REQUIREMENTS

Liberal education requirements (commonly known as Lib Eds or LEs) are comparable to general education, goal area, or core requirements at other institutions. The Lib Ed requirements allow students to learn new ways of thinking, explore fields outside of their major, and grow as active citizens and lifelong learners. Lib Ed courses may be transferred according to the Liberal Education Transfer Guides, Minnesota Transfer Curriculum (MnTC), and university policy.

#### MAJOR REQUIREMENTS

The CBS major requirements contain a core curriculum to provide a broad understanding of the physical and life sciences and also allow you to develop expertise in more specialized fields of the biological sciences. Major requirement courses such as chemistry, mathematics, physics, and introductory biology may be transferred according to university and college policy. Students are strongly encouraged to complete their advanced biology coursework at the University of Minnesota. Transfer courses in biology will need to be reviewed by CBS faculty to assess their fit with our curriculum and not all transfer courses will fulfill CBS requirements. *Major courses must be completed with A-F grading (not pass/fail) and grades of C- or higher are required.*

### **Tips for a Successful Transfer**

- SAVE YOUR COURSE SYLLABI AND OTHER MATERIALS (lab reports, exams, problem sets, course outline, etc.) for all courses. Faculty members often need to review these materials for alignment with U of M courses before they can be counted towards major requirements.
- Plan early and apply by the priority deadline. Allow time for transcript requests from other schools and additional information that may be required for your application. All materials must be submitted by the deadline for your application to be considered complete and on-time.
- Think ahead about your goals. If you hope to attend a professional or graduate school after completing your undergraduate degree, be sure to visit the admissions websites for these programs to learn about prerequisites and other requirements you may want to complete as an undergraduate student.
- Transfer directly into the U of M college from which you intend to graduate. Changing U of M colleges requires an additional transfer admission process and may delay your graduation.
- Ask us if you have questions. We're here to help you navigate the transfer process!

**CBS Student Services**  
[z.umn.edu/CBSTransfer](http://z.umn.edu/CBSTransfer)  
cbs-tsfr@umn.edu  
612-624-9717

**Office of Admissions**  
[admissions.tc.umn.edu](http://admissions.tc.umn.edu)  
612-625-2008

## Planning your Courses

Please keep the following CBS recommendations in mind when selecting courses and creating your transfer plan.

- **Prerequisite courses** for admission must be completed with posted grades before you can be admitted to CBS.
- **Prioritize math and science courses.** CBS strongly encourages students to spread their liberal education courses over all 4 years of their degree plans. Science courses are highly sequenced and completing an AA degree or the MnTC does not always mean you will graduate faster from CBS.
- Complete an average of 15 total credits each semester to stay on track for timely graduation. We recommend about 10 credits of science/math coursework each semester plus 4-6 non-science credits.
- If you will be taking courses for 2+ years prior to transfer, completing 2 semesters of **general biology** courses prior to transfer may be important for your timely graduation from CBS. However, you should consult the chart below for the approved pair of courses or contact transfer advising at [cbs-tsfr@umn.edu](mailto:cbs-tsfr@umn.edu) to discuss options. CBS has specific paired course transfer requirements for general biology.
- Use [www.transferology.com](http://www.transferology.com) or the **Liberal Education Transfer Guides** from the Office of Admissions to see how previous transfer courses from your institution have fulfilled Lib Ed requirements. Find these guides at: [admissions.tc.umn.edu/CLE](http://admissions.tc.umn.edu/CLE). Additional courses can be evaluated after you are admitted to the U of M.
- Known math, chemistry, and physics transfer course equivalencies can be viewed using the **Technical Course Equivalencies** found at: [cse.umn.edu/college/technical-course-equivalencies](http://cse.umn.edu/college/technical-course-equivalencies). Most biology courses will be reviewed by CBS for fit with major requirements at the time of your enrollment due our evolving curriculum.
- **View major requirements** using the University Catalog found at [www.catalogs.umn.edu](http://www.catalogs.umn.edu). Pay careful attention to course numbers to ensure transfer courses will meet degree requirements.

## Academic Advising Support

You can email questions to the CBS Transfer Coordinator & Academic Advisor at [cbs-tsfr@umn.edu](mailto:cbs-tsfr@umn.edu). Or call CBS Student Services at 612-624-9717 to speak with one of our Peer Advisors.

## Transfer Courses Applicable to CBS Majors

U of M Course Name	U of M #	ARCC #	Biochemistry	Biology	Cellular & Organismal Physiology (COP)	Ecology, Evolution & Behavior (EEB)	Genetics, Cell Biology & Development (GCD)	Microbiology	Neuroscience	Plant & Microbial Biology (PMB)
Calculus I	MATH 1271	MATH 1400	P	P	P	P	P	P	P	P
Calculus II -or- Statistics -or- Intro to Computing & Programming	MATH 1272, STAT 3011, or CSCI 1133	MATH 1401, MATH 1114 (old 1110), no CSCI option	X	X	X	X	X	X	X	X
Chemical Principles I	CHEM 1061 + 1065	CHEM 1061	P	P	P	P	P	P	P	P
Chemical Principles II	CHEM 1062 + 1066	CHEM 1062	P	P	P	P	P	P	P	P
Organic Chemistry I	CHEM 2301	CHEM 2061*	X	X	X	X	X	X	X	X
Organic Chemistry II	CHEM 2302	CHEM 2062*	X	E	X	E	X	E	X	E
Organic Chemistry Lab	CHEM 2311	Lab*	E	E	E			E		E
Calculus-based Physics I	PHYS 1201 or 1301	PHYS 1327	X	X	X	X	X	X	X	X
Calculus-based Physics II	PHYS 1202 or 1302	PHYS 1328	X	X	X	X	X	X	X	E
Foundations of Biology	BIOL 1951 + 1961 + 2003	BIOL 1106 + 1107	X	X	X	X	X	X	X	X

P = Prerequisite course required for admission to CBS

X = Course required for CBS degree

E = Elective course that can fulfill a CBS major requirement