

Errata for the 2021-2022 University Catalog

Publications

2021-2022 Undergraduate Catalog

Financial Responsibility (Unpaid Balance)

Any unpaid balance on the student account will prevent registration for additional courses or receipt of grades, diploma, and/or transcripts. Student accounts with unpaid balances are subject to the collection procedures of the University.

Credit Balance Distribution

Refunds based on the difference between institutional charges for the term and loan amounts are direct deposited no later than 14 days after aid is disbursed. The refund calendar is located on the CSU website.

Refunds

Tuition refunds are issued based upon the official date of a course drop or withdrawal. Students can drop a course until the refund deadline for the course. When a course drop occurs, tuition and fees are refunded to the student account and the course is not recorded on the academic transcript.

After the refund deadline, students can withdraw from a course until the withdrawal deadline. When a course withdrawal occurs, tuition and fees are not refunded to the student account and a grade of W will be recorded on the academic transcript. Students should review the Academic Calendar which is located on the CSU website which provides the 100% and 50% refund dates each term.

The University reserves the right to make the final decision on all refunds. Refund questions can be directed to the Bursar Office.

PLEASE NOTE:

For students who received Financial Aid toward their charges and completely withdraw from the University, a calculation will be completed, and all or a portion of the financial aid will be returned to the US Department of Education. If refund was processed prior to withdrawing from courses, a remaining balance will be owed back to the University.

Policy on Student Identification Card

COUGAR ONE UNIVERSITY ID CARD

Location: Library First Floor

Telephone: (773) 995-2013

Main Office Hours: Monday- Friday 10:00 a.m. - 4:00 p.m. or by appointment.

The Cougar One Card is the official university identification. Many departments use the Cougar One Card as a means to grant access to their information and services. The Cougar One ID allows students and staff to check out books, check account balances, and receive discounts when applicable. It is a necessity of everyday campus life. There is no charge for the university ID card. Simply bring a photo ID (driver's license, state-issued ID card, or passport) and a cashier's receipt to the Cougar One ID Card Office. A cashier's receipt will be given once classes are validated. Lost or replacement Cougar One IDs can be issued for \$20 (paid to the Cashier's Office). For a replacement, please bring a photo ID along with a cashier's receipt for \$20 to the Cougar One ID Card Office in Library. The lost card will be deactivated. Students should carry their Cougar One ID cards at all times on campus. We encourage students to email helpdesk@csu.edu to set up an appointment to get their Courage One ID.

Campus Ministry

Campus Ministry seeks to support, encourage, and develop the faith/spiritual life of the university community, students, administrators, faculty, and students. Campus Ministry offers opportunities for Bible study, worship, counseling, retreats, community service, and peace and justice awareness. Although the Catholic Archdiocese of Chicago and the Chicago Metropolitan Baptist Association sponsor the campus ministers at present, their ministry is extended to all members of the university, regardless of denomination. Campus Ministry is located in Douglas Hall, Suite 3062, and the telephone number is 773/995-3869.

Biological Sciences

Department Chairperson: Joyce Ache Gana

The Department of Biological Sciences offers a Bachelor of Science degree, a minor, and a Masters of Science degree (see graduate catalogue). Students may take courses in biological science, botany, physiology, and zoology. Students that graduate with a B.S. in Biology are prepared for a variety of positions in industry, government, health sciences and education and are prepared for graduate school in any area of life sciences or professional school in medicine, veterinary science, pharmacy, and dentistry.

Assessment: The Department of Biological Sciences is committed to maximizing academic success of our students and uses student learning data and surveys to measure this. Direct and indirect measures of learning are collected each semester in core courses and non-majors courses. Student self-efficacy surveys help determine how students perceive their learning experiences. Together the data are evaluated and shared within the department and drive ongoing pedagogical and curricular changes. Current program assessment plans and reports can be accessed from the department website (www.csu.edu/bioprehealth/) and viewed in the department main office (SCI 310).

Admission to the Biology UG program is open to all incoming freshmen and transfer students. The department does not accept D transfer credits in biology courses. A Biology Major requires a minimum of 120 semester hours. Biology majors must earn a grade of C or better in required biology courses and may earn a maximum of one D in required supportive courses. Biology majors can retake a required course twice, but require permission from the instructor and chair of the department to enroll a third time. Students who fail the third attempt will not be permitted to complete the Biology Major. Once enrolled at Chicago State University, biology majors may not take a major or supportive course at a two-year college.

There are two pre-professional/professional concentrations:

- Pre-Health Professions [Pre-Med, Pre-Dental, Pre-Vet, etc.]
- Secondary Teaching Option

The concentration in Urban Agriculture and Ecology is under development. Interested students should consult the department chair for updates.

Students may apply for admission to a concentration when they meet the following requirements:

- Successful completion of 60 hours
- Successful completion of ZOOL 2040 and BOT 2050
- Successful completion of two semesters of General Chemistry
- Successful completion of Math 1210 or Math 1250
- Minimum GPA: 3.0 (Pre-Health Professions and Secondary Teaching)

Biological Sciences Major

General Requirements (120 credit hr)

General Education (36 credit hr)

- Core requirements
 - English composition (6 hr)
 - Oral communication (3 hr)
 - Mathematics (3 hr)
- General requirements
 - Humanities/Fine Arts (9 hr); at least 3 hr Humanities and 3 hr Fine Arts
 - Social Sciences (9 hr); in at least two different disciplines
 - Natural Sciences (6 hr); 3 hr Physical Science and 3 hr Life Sciences, one of which must be a lab course

General Education requirements for Mathematics (3 hr) and Natural Sciences (6 hr) are embedded in the Biology Major (see below*).

College of Arts and Sciences Requirement (3 credit hr)

- One course in a Foreign Language (3 hr)
- One general education or major course carrying the diversity designation (embedded)

Biology Courses (43-47 credit hr):

- 25 hr in Biology Core (see below)
- 14-16 hr Biology electives at 3000 level or higher (see below)
- 4-6 hr Biology capstone course (satisfies the senior thesis/capstone requirement)

Supportive Courses (36-37 credit hr)

- Courses in Math, Chemistry and Physics (see below)

Elective Courses (6-11 credit hr)

- Elective courses at 2000-level or higher to bring total to 120 hr

Specific Requirements

Core Courses in the Biological Sciences (25 credit hr)

BIOL 1600, BIOL 1710, BOT 2050, ZOOL 2040, BIOL 3040, BIOL 3051, BIOL 3072;

*BIOL 1710 satisfies the General Education requirement for Life Sciences 139

Supportive Courses (36-37 credit hr)

MATH 1600, MATH 1250 (or MATH 1200 and 1210), MATH 1415 (or MATH 1410); CHEM 1400, CHEM 1410, CHEM 1450, CHEM 1460, CHEM 2400, CHEM 2410, CHEM 2450 and CHEM 2460; PHYS 1510, PHYS 1520

*MATH 1200 or 1250 satisfies the General Education requirement for Mathematics

*CHEM 1400 satisfies the General Education requirement for Physical Sciences

Biology Electives (14-16 credit hr)

Four courses in Biology or Biochemistry at the 3000-level or higher, with at least two lab courses and at least two at the 4000 level.

Biology Capstone (4-6 credit hr):

BIOL 4801 or BIOL 4750 (Secondary Teaching Option only)

These courses fulfill the senior thesis/capstone requirement for all Biology majors.

Electives to complete 120 Hours (6-11 hr)

Choose any other courses at the 2000-level or higher.

Secondary Teaching Option in Biological Sciences

The Secondary Teaching option prepares students to apply for a Professional Educator License (PEL) from the State of Illinois to teach science to grades 9-12 and upper level Biology subjects. Students interested in pursuing this option should consult an advisor early as requirements change.

Students in the Secondary Teaching Option must complete 39 credit hours of University General Education and College of Arts and Sciences requirements; mathematics and sciences requirements are embedded in the Biology major (30 hr).

General Education (36 credit hr)

- Core requirements
 - English composition (6 hr)
 - Oral communication (3 hr)
 - Mathematics (3 hr)
- General requirements
 - Humanities/Fine Arts (9 hr); at least 3 hr Humanities and 3 hr Fine Arts
 - Social Sciences (9 hr); in at least two different disciplines
 - Natural Sciences (6 hr); 3 hr Physical Science and 3 hr Life Sciences, one of which must be a lab course

General Education requirements for Mathematics (3 hr) and Natural Sciences (6 hr) are embedded in the Biology Major (see below*).

College of Arts and Sciences Requirement (3 credit hr)

- One course in a Foreign Language (3 hr)
- One general education or major course carrying the diversity designation (embedded)

Specific Requirements

- required courses in General Education: CMAT 1130, PSYC 1100 and PSYC 2040
- the Biology Core (25 hr)
 - 3 hr of General Education requirement in Life Sciences is embedded in the Biology core
- two 3000-4000 level Biology electives with lab (8 hr)
- all supportive courses for a Biology major, with the exception of MATH 1415 and CHEM 2450/2560, plus one course in earth or space science, PhS 1140 or PhS 1150 or GEOG 1400 (31-32 hr)
 - 6 hr of General Education requirements for Mathematics and Physical Sciences are embedded in these supportive courses
- Professional education electives: ED 2000, PSYC 2020, READ 4100*, BIL 4005 or ENG 4366, S ED 4301, S ED 4303*, ED 4500* or BIOL 4725, BIOL 4715, BIOL 4630* (23-25 hr).
 - Biology specific education courses, BIOL 4715, BIOL 4725 and BIOL 4630, satisfy major requirements for two upper level Biology electives; a third Biology elective (3-4 hr) is required if ED 4500 is taken instead of BIOL 4725
- Student Teaching: BIOL 4750* (6 hr; satisfies the capstone requirement for the major).

Total hr = 123-126

*Admission to the College of Education is required for courses marked with an asterisk.

Disposition for teaching adolescents is assessed as part of the program.

State-mandated 100 clinical hr in the field are included in the program.

Student teaching is a full-time 12-16 week experience required at the end of the program.

Biology majors wishing to add a PEL after graduation may apply to the non-degree post baccalaureate program or MAT program. See the College of Education or Secondary Biology advisor for more information

Pre-Health Professions (Pre-Med, Pre-Dental, Pre-Vet etc.)

Students may choose a concentration in Pre-Health Professions. Students must attain a minimum cumulative grade point average of 3.0 in BIOL 1710, ZOOL 2040, BOT 2050, CHEM 1550, CHEM 1560, MATH 1200 and MATH 1210 or MATH 1250, MATH 1600, and MATH 1415 to be accepted in the concentration. To remain in good standing, students must maintain a 3.0 cumulative grade point average. The concentration recommends the following electives: PSLY 2040, ZOOL 2050, BIOL 3690, BIOL 4170, PSLY 4035 or PSLY 4330, and CHEM 4303 and CHEM 4304.

Integrated BS Biology and Pharm D Program

Qualified students can enter an integrated Biology/Pharmacy program in which they complete a Biology Major and begin a Pharm D program during their 4th year of matriculation. All requirements for the Biology Major stated above apply to this program; specific courses in the College of Pharmacy satisfy Biology electives. Admission to this program is administered by the College of Pharmacy. Please check

with the Associate Dean for Admission in the College of Pharmacy for eligibility and details of the program.

Minor in Biological Sciences (22 hours)

Completion of 22 credit hours in biology to be selected with the help of a department advisor, including a maximum of three courses at the 1000 level, a minimum of one course at the 3000- 4000 level, and a minimum of three laboratory courses. The requirements for minors must be completed prior to graduation in order for the minor to appear on the transcript. For more information about minors, see the chairperson of the department.

Honors Program in Biology

Admission Requirements

Students who desire to graduate with honors in biology must

- have a GPA of 3.25 in biology and overall GPA of 3.0;
- be juniors (sophomores may apply during their second semester);
- complete course requirements over the course of three to four semesters;
- take 6-9 hours in honors courses;
- take 3-6 hours of research independent study;
- write an honors thesis.