Group Advising

Biological Sciences Department
Topics to Address

• Curriculum Sheet
• Searching For Classes
• Degree Progress Report (DPR) & Course History
• Resources For Planning Your Schedule
• Who is my Advisor?
• Important Dates & Deadlines
• Biology Classes Being Offered for Summer 2020
• Can I Take Courses at a Community College?
• Minors / Double-Majors?
• Staff Advisor Contact Information
Curriculum Sheet & Degree Progress Reports

• Curriculum Sheet 101

• Degree Progress Report: Counting in Courses Now
  • For Quarter → Semester Students
    • “Major Required” = Courses
    • “Major Electives” = Units

• How do I know how many units I am earning if I am on quarter curriculum?
  • Conversion: # of Semester Units x 1.5 = # of Quarter Units
    • E.G. 4 Semester Units x 1.5 = 6 Quarter Units
Those students in earlier curriculum years can use the most recent curriculum sheet as a guide.

GE Area A3, GE Area B5, and GE Area E have been altered.
These are MANDATORY!

You must take these courses in order to graduate with your degree. There are no substitutions.
If you plan on taking Organic Chemistry I (CHM 3140/L), you MUST also take Organic Chemistry II (CHM 3150 – no laboratory) in order to enroll in Biochemistry!
These are MANDATORY! You must take these courses in order to graduate with your degree. There are no substitutions.
You will receive credit in two areas!

You do not need to take an additional course to satisfy these GE Areas.
These are MANDATORY!

You can satisfy this area by taking courses in the following areas.

- **Emphasis Electives**: 21-31 units
  - You can choose the required courses from the table below.
  - Consider selecting a variety of courses from emphasis 2 to 8 listed below.

- **Non-Emphasis Electives**: 21 units
  - You must take at least 21 units from “Emphasis Electives”, including 12 units at 4000+ level from any of the emphases.
  - Included are BIO 4990 and 2990 courses.

These two areas must equal 29-31 units.

- If you are taking CHM 3140/L & MAT 1140 then you will need 29 units.
- You may take NO MORE THAN 8 units from “Non-Emphasis Electives”. This includes CHM 3150/L.
- CHM 3150/L will count towards “Non-Emphasis Electives”.
- You must take AT LEAST 21 units from “Emphasis Electives”. Including 12 units at 4000+ level from any of the emphases.

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**General Education Requirements**: 48 units

- Students should consult the Academic Programs website for current information regarding the requirements. Unless specific courses are required, please refer to the list of approved courses under General Education Requirements, Areas A through E.

**Areas A, B, C, D, and E**

- **Area A, English Language Communication and Critical Thinking (9 units)**
  - At least 2 units from each sub-area
  - Oral Communication
  - Written Communication
  - Critical Thinking

- **Area B, Quantitative Reasoning (12 units)**
  - At least 2 units from either of the following:
  - Mathematical Reasoning
  - Scientific Reasoning
  - Science and Technology Synthesis

- **Area C, Arts and Humanities (12 units)**
  - At least 2 units from sub-areas 1, 3, and 4 from at least 2 additional units from sub-areas 1-3.
  - Visual and Performing Arts
  - Literature, Modern Language, Philosophy, and Civilization
  - Arts and Humanities Synthesis

- **Area D, Social Sciences (12 units)**
  - At least 2 units each from sub-areas
  - U.S. History and American Ideals
  - U.S. Government and California Citizenship
  - Social Sciences: Principles, Methodology, Values, Systems, and Ethics
  - Social Science Synthesis

- **Area E, Lifelong Learning and Global Citizenship (2 units)**

**Interdisciplinary General Education**

- An alternative plan for fulfillment of GE Areas A, C, D, and E is available for students in the interdisciplinary General Education [IGE] program. Students should see a faculty advisor for GE specific courses. Students should refer to the University Catalog General Education Program section for additional information.

**New IGE wiltos Element Requirements**

- **First Two GE Courses**: Check GE Course for GE Requirements
  - First: KIE 1180, KIE 1200
  - Second: WME 2100, KIE 2200
  - Third: WME 2100, KIE 2200
  - Fourth: WME 2100, KIE 2200

**American Institutions**: 6 units

- Courses that satisfy this requirement may also satisfy GE Area D and E.

**American Cultural Perspectives Requirement**: 3 units

- Refer to the University Catalog General Education Program section for list of courses that satisfy this requirement. Courses may include, but are not limited to, major, minor, or an approved electives.

**Graduation Writing Test**

- All persons receiving undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the semester following completion of 80 units for undergraduate.
Navigating the Biology Emphases

• Flowcharts are for Guidance; All Courses are Elective / Optional!

• The purpose of the emphases is to provide guidance when choosing courses that best prepare you for your chosen career; therefore, you do not need to choose an emphasis.

• Any combination of courses from the emphasis will satisfy the required 21-31 units; however, at least 12 units must be at 4000 level or above.
  • “Non-Emphasis Electives”: Any 2000-4000 Level Science Units + Extra GE B5

• Up to 4 units combined from research supervisory, service learning, and internship courses can count as emphasis electives. These courses include BIO 2000 or BIO 4000, BIO 4410, Et Cetera.
(5) Neuroscience & Physiology Emphasis

BIO 1210/L & 1220/L Foundations of Biology
  - BIO 2400 Genetics
  - BIO 4380/L Bioinformatics

BIO 2340/L Human Anatomy
- BIO 2350/L Human Physiology
- BIO 4020/(L) Developmental Biology
- BIO 2070/L Animal Biology
- BIO 2380/L Intro Vertebrate Zoology
- PHY 1210/L & 1220/L Physics
  - PHY 4100 Biophysics

BIO 3220 Cellular & Molecular Biology
- BIO 4190/L Neuroscience I
- BIO 4450/L Physiology I: Cells
- BIO 4460/L Physiology II: Systems
- BIO 4360/(L) Recombinant DNA & Protein Technology
- BIO 4400/(L) Stem Cell Biology
- BIO 4810/L Histology

PHY 1210/L & 1220/L Physics

BIO 4200/L Neuroscience II
- BIO 4220/L Neural Circuits of Behavior
- BIO 4240 Neuromuscular Physiology

- There are more flowcharts available on the Biological Sciences Department Advising website!
- Reminder: The emphases will not be posted on your transcripts or your degree but can be mentioned in your resume.
- You do NOT need to choose an emphasis if you do not want to!

(L) Lecture can be taken without the laboratory; Spring (S) courses only, Fall (F) courses only, (F, S) courses offered both Fall and Spring

BIO 4380/L also requires Pre-requisite CHM 3280 Biochemistry II if you have not taken BIO 2400.

Recommended to take BIO 2340/L before enrolling in BIO 2350/L

Light blue box – core; dark blue box – “Recommended Electives”; green box – “Other Electives”; purple box – pre-requisite courses. Gray are currently not offered; F – Fall; S – Spring
FYI: MAT 1200

• MAT 1200 will be offered with trigonometry starting Fall 2020 Semester. Students took MAT 1200 on or after Fall 2020 Semester will be able to use it as a pre-requisite for Physics.

MAT 106/1060
MAT 114/1140/1140C
MAT 115/1150
MAT 112
MAT 116
MAT 1200 (F20+)

PHY 1210/L
There are some higher-level courses that can replace the easier ones.

MAT 1140 for MAT 1200
PHY 1510/L + PHY 1520/L for PHY 1210/L + PHY 1220/L

MAT 106/1060
MAT 114/1140/1140C
MAT 115/1150
MAT 112
MAT 116
MAT 1200 (F20+)
What should I take for Statistics and Biometrics?

• Quarter Students
  • General Biology, Botany, Zoology, and Environmental Biology (STA 120 and BIO 211/L)
    • Best Option: take STA 1300 & BIO 2110L; use any BIO/MAT/STA course to petition for the missing units
      • Alternative for students who have taken STA 120 or will graduate before Spring 2020: take any statistics course: STA 120, STA 1300, or any STA 100/1000/200/2000 course to petition for BIO 211/L
  • Biotechnology and Microbiology (BIO 211/L)
    • Best Option: use STA 1300 to substitute BIO 211/L
      • Alternative for students who have taken STA 120 or will graduate before Spring 2020: take any statistics course: STA 120, STA 1300, or any STA 100/1000/200/2000 course to petition for BIO 211/L

• Semester Students
  • Take STA 1300 and BIO 2110L as Shown in the Curriculum Sheet
How do I get rid of a hold?
If you have a hold, you need to visit the department that placed it.

When do I enroll in classes?
If you do not know your enrollment date, you can check this area approximately two weeks before registration begins.

When are my fees due?
If you do not know when your fees are due, you can check this area after registering.
How do I search for classes?

You need to select “Search for Classes” or “Search” in order to go to the next menu.
How do I register for classes?

If you know the course you are registering for, make sure that you edit the following:

- Semester
- Subject
- Course Number

We recommend that you change these to the following:

- Course Number: CONTAINS
- Show Open Classes Only: UNSELECTED
How do I register for GEs?

If you know the GE area you are registering for, you can utilize "Course Attribute" to find all of the courses that will count towards it.
The corequisites for a course must be the **SAME STATUS**; otherwise, you will not be able to enroll.

The courses that you are enrolling in may **NOT** overlap. If they do, you will receive a "time conflict" error.
• Degree Progress Report, Transfer Credit Report, & Course History
  • You need to know how to read your curriculum sheet so you can effectively communicate your concerns to an advisor.
    • You will have to highlight the courses on your curriculum sheet using your Degree Progress Report, Transfer Credit Report, and Course History List.
  • You must bring this information with you when visiting an advisor. This will assist in expediting the advising process and answering your questions in a timely manner.

**Student Success Tip:**
You should know your curriculum requirements in addition to any department updates, resources, and flexibilities!
How do I access...?

You can access your Degree Progress Report, Transfer Credit Report, and Course History from this drop-down menu.

Student Success Tip:
Maintain a GPA of at least 2.0!
Resources to Plan Schedule

• Classes
  • Catalog
    • Prerequisites
    • Corequisites
  • Biology Advising Website
    • Projected Course Schedule
    • Prerequisite List for Biology Courses
    • Who is my Advisor?

• Schedule Builder / My Planner
# Course: BIO 4840 - Herpetology (2)

- **Description:** Evolution, morphology, classification, distribution, ecology, behavior, and conservation of amphibians and reptiles.
- **Prerequisite(s):** ZOO 201/ZOO 201L, BIO 2070/BIO 2070L, ZOO 238/ZOO 238L, or BIO 2380/BIO 2380L.
- **Corequisite(s):** BIO 4840L.
- **Component(s):** Lecture, Grading Basis: Graded Only, Repeat for Credit: May be taken only once.

## Courses - Keyword/Phrase Matches

- **Results for phrase "BIO 4840"**
  - BIO 4840 - Herpetology (2)
  - BIO 4840L - Herpetology Laboratory (2)
Academic Advising Resources

Welcome! Orientation video for Biology Students / Freshman Group Advising PPT

NEW: Quarter Student Group Advising PPT for Biology/Biotech and Env. Biology

NEW: Updates to Spring 2020 Advising (pdf) now online only!

Biological Sciences Advisors

- Where to go for advising / Graphic advising guide (pdf)
- Advising Help Hotline: bio_advisor@cpp.edu (909) 869-2045, or the Department Office (909) 869-4028
- Department Walk-in Advising (94-290) Hours posted on this page or contact the Department Office (909) 869-4028
- List of Biological Sciences Department Advisors (pdf), Faculty Office Hours
- College of Science Advising Center (Rm 3-1645)

Department Semester Conversion Information

(for students staying in the Quarter Curriculum, 2017 or prior)

Advising Forms

- Department Advising Form: Word format, pdf format
- Forms - Registrar’s Office Online Forms
- Curriculum worksheets for Quarter Curriculum students in Bio-General Biology and Env. Biology

Department Resources for Planning your Schedule

- Curriculum sheets
- Roadmaps: Biology, Biotechnology, Environmental Biology
- Flow charts: Biology, Biotechnology, Environmental Biology
- Biology Emphasis Flow Charts (pdf)

- How to know when a course will be offered? Projected course offerings (pdf)
- List of Electives: Biology Emphasis Electives, Biology Non-Emphasis Electives, General Biology Core Electives, General Biology Support Electives

- List of Course Pre-Requisites

Academic Advising FAQs

- Who is my advisor? What to do if I have an advising hold?
Student Success Tip:
Meet an Advisor Regularly!

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Academic Advising FAQs
- Who is my advisor? What to do if I have an advising hold?
# Biological Sciences Department Advisors

## General Advising
- **College Advisor** (for Add/Drop Petitions, Grade Forgiveness, 24-Year Pledge, S/U Petitions, GPA Holden, Probation, Disqualification)
  - College Advising Center, S-1645
  - For Drop-in hours, visit: [https://www.cpp.edu/~vss/advising-center/](https://www.cpp.edu/~vss/advising-center/)

- **Biological Sciences Advising Help** (for Biology related short questions)
  - bio_advisor@cpp.edu

- **Class Enrollment and Permission Codes** (for pre-requisite issues only; all other issues should go to the instructor)
  - Biological Sciences Department Office, B-119
  - 909-892-4038, Bring the proof of pre-requisites.

- **Transfer and Graduation Advisor** (for our majors)
  - Kailah Garlington (Registrar’s Office)
  - kgarlington@cpp.edu, 909-892-4187

## Major/Minor Advising (for major specific curricular, career advising, major related petitions)
- **Biology** – Gen Bio Option or Emphases in Integrative Bio, Genetics & Mol Cell Bio, or Neurosci & Physiology
  - Alas, Bobich, Buckley, Dixon, Kagayama, Steele, Zhao

- **Biology – Botany Option or Emphasis**
  - Bobich

- **Biology – Microbiology Option or Emphasis**
  - Lin, Snyder

- **Biology – Zoology Option or Emphasis**
  - Lappin, Leong

- **Biotechnology Major**
  - Boxak, Buckley, Lin, Liu

- **Environmental Biology Major**
  - Claasen, Leong, Questad, Smith

- **Botany Minor**
  - Bobich

- **Microbiology Minor**
  - Snyder

- **Zoology Minor**
  - Lappin

- **Physiology Minor (University)**
  - Jeffreys (Thompson)

- **Environmental Health Specialist (University)**
  - Bonisoli-Alquati

- **MS Graduate Program Coordinator**
  - Talimadge

## Internship Coordinators
- **Biology**
  - Valdés

- **Biotechnology**
  - Lin

- **Environmental Biology**
  - Leong, Valdés

- **Pre-Professional**
  - Zhao

## Career Advising
- **General Career Preparation and Advising**
  - CPP Career Center, S7-100, [www.cpp.edu/~career](http://www.cpp.edu/~career)

- **Pre-Professional** (medicine, dentistry, pharmacy & others)
  - Zhao ([www.cpp.edu/~preprofessional](http://www.cpp.edu/~preprofessional))

- **Clinical Laboratory Scientist (CLS)**
  - Liu

- **Ph.D. Graduate Studies**
  - See your “major” advising listed above
Important Dates and Deadlines

March:
- 2nd - 3rd: Priority Registration for Summer 2020
- 4th - April 22nd: General Registration for Summer 2020
- 13th: Last Day to Apply Online for Spring Graduation / Early Commencement
- 23rd: Priority Registrations Planners Due at Noon
- 28th - April 3rd: Spring Break
- 31st: Holiday - Campus Closed

April:
- 6th - 7th: Priority Registration for Fall 2020
- 8th - June 12th: General Registration Period for Fall 2020
- 17th: Last Day to Withdraw By Petition for Serious & Compelling Reasons & Receive a "W"
- 23rd: Summer Fees Due

May:
- 4th - June 1st: Add/Drop for 1st 5-Week Summer Session
- 4th - June 3rd: Add/Drop for 10-Week Summer Session
- 4th - July 6th: Add/Drop for 2nd 5-Week Summer Session
- 9th - 15th: Final Exams
- 16th: College of Science Commencement at 2 pm
- 17th: Last Day to Withdraw By Petition for Serious & Compelling Reasons & Receive a "WX"

Have questions? Make the Advising Center your first stop!
Building 3, Room 1645
scl_advising@cpp.edu
909-979-5654
www.cpp.edu/~scl/advising-center

For more important dates, please visit: www.cpp.edu/registrar/calendars
Biology Courses: Summer 2020

- BIO 1110: Life Science
- BIO 1110L: Life Science Laboratory
- BIO 1210: Foundations of Biology: Energy, Matter, and Information
- BIO 1210L: Foundations of Biology: Energy, Matter, and Information Laboratory
- BIO 1220: Foundations of Biology: Evolution, Ecology, and Biodiversity
- BIO 1220L: Foundations of Biology: Evolution, Ecology, and Biodiversity Laboratory
- BIO 2340: Human Anatomy
- BIO 2340L: Human Anatomy Laboratory
- BIO 2350: Human Physiology
- BIO 2350L: Human Physiology Laboratory
- BIO 2400: Genetics
- BIO 3010: Human Sexuality
- BIO 3220: Cell and Molecular Biology
- BIO 4990: Special Topics for Upper Division Students
Fall Registration Starts April 6th, 2020

• Recommended Distribution
  • 1-2 Courses in Biology
    • 1 Major Required
    • 1 Elective Emphasis / Elective Core / Elective Support
  • 1-2 Courses in CHM, MAT, STA, or PHY
  • 1-2 GE Courses

• General Registration: 16 Units
• Add/Drop Period: 18 Units
Be aware of sequence courses and their pre-requisites!
Where do I get a Permission Code?

- Determine why you are receiving an error code.
  - E.G. Unit Cap, Time Over-Lap, Pre-Requisites, Co-Requisites, Et Cetera.
- If you are trying to enroll in a 3000-4000 level course...
  - You must contact the instructor on record to obtain permission to enroll in the course. If there is no instructor on record, you may contact the Biological Sciences Department.

Due to concerns regarding COVID-19, do not visit the Biological Sciences Department Office (Room 8-119) for a permission number!
Where do I get a Permission Code?

- If the pre-requisites are not recognized, you should...
  - Obtain proof that you have met the pre-requisites from your (1) Degree Progress Report, (2) Transfer Credit Report, (3) Course History, (4) Unofficial Transcript, or (5) your unofficial transcript from another university with the assist.org correlation into our university. This is then emailed to bio_dept@cpp.edu.
    - The failure to provide this will result in an extreme delay in providing you with a permission number!
  - Include your full name, BroncoID, Course Number, and Section Number.

Due to concerns regarding COVID-19, do not visit the Biological Sciences Department Office (Room 8-119) for a permission number!
What do I do if I want ...

- What do I do if I want to enroll over the class capacity?
  - Contact the Instructor

- What do I do if I do not want to take the co-requisites?
  - Contact the Instructor

- What do I do if I want to enroll without having completed the pre-requisites?
  - Contact the Instructor
Can I Take Courses at a Community College?

• **General Rule:**
  • You can take courses of the 1000-2000 level at a community college and have it count towards your degree at our university.
    • If you are interested in a course, you should visit assist.org or the articulation agreements through the Registrar’s to see what articulates with our university.
Your transfer resource.
Get the information you need to find the best path to your degree.
Course Substitution or Transfer Coursework

• This form is used to request transfer course articulation or fix an articulation problem.

• You need to attach a copy of the syllabus or catalog description of the course to be transferred.
General Academic Petition

- This form is used for courses taken at CPP or being transferred / articulated. It can be used to
  - fix DPR problems;
  - approve course substitutions;
  - add supervisory and new courses to electives.
    - E.G. BIO 2990, BIO 4410, BIO 4990, Et Cetera.
Students may declare up to two minors in addition to their primary major if all academic programs can be completed within 24 units above the number of units required for their primary major. Students must receive the approval of the chair of the department offering the proposed academic program.

Students may declare one major in addition to their primary major if all academic programs can be completed within 32 units above the number of units required for their primary major. Students must receive the approval of the chair of the department offering the proposed academic program.

Minors or double majors may be declared at any time in a students' career, but students are strongly encouraged to declare minors and double majors early in their career. After earning 90 totals units, students may declare a minor or additional major only if they are in good academic standing and have the approval of the chair of the department offering the proposed academic program.

Credits from transfer units, non-traditional college-level work (including AP, IB, and CLEP examinations, and credit by challenge examinations), and military service in excess of 40 semester units shall be excluded from the unit count for the purposes of the minor and double major policies.

Students may request exceptions to the minor and double major policy by filing a general academic petition.
Physiology Minor
36 Units

- BIO 1150/L
  - OR
  - BIO 1220/L

  - AVS 3350/L
    - OR
    - BIO 2340/L
    - BIO 2350/L
    - OR
    - BIO 3220
    - BIO 4450/L

- CHM 1210/L
- CHM 1220/L
- OR
  - CHM 1210/L
  - CHM 3140/L
  - CHM 3150/L

Additional 12 Units
Advanced Physiology
Electives Required
Must Include one class from each of the following four groups:
- Physiochemical Properties
- Physiology
- Nutrition
- Ergonomics
See Course Offerings

C or better in MAT 1050
OR
minimum score on ALEKS
placement test
Student Success Tip:
Additional information and flowcharts on minors can be found here.

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Academic Advising FAQs
- Who is my advisor? What to do if I have an advising hold?
- How to change/add a major or minor?
- Questions on curriculum and courses
- Questions on Registration and Graduation (linked to College of Science Advising Center)
- Advanced Placement (AP) examination credit
- International Baccalaureate (IB) examination credit
- How to get involved in undergraduate research?
- How to get involved in internship?

Other CPP Advising Resources
- Pre-Professional Advising (MD, DDS, Nursing, PA, PharmD, CLS, and more)
- University Advising Resources
- Learning Resource Center - Drop-In Tutoring Service
- Student Health and Wellbeing (Counseling, Disability, Wellness)
- Broncs Care Basic Needs Program (Poly Pantry, Meal Assistant Program)
- Career Center – Career Counseling & Preparation
- Teaching Credential - Single Subject Credential in Biology/Life Science
Biology Internship Opportunities

Internship in Biology (BIO 4410) course is required for majors in Biotechnology and in Environmental Biology, and it serves as an upper division elective for Biology majors. The goal is for students to apply and expand the knowledge and skills they had already developed in traditional classrooms. Students learn to solve real-world problems working hand in hand with professionals in their discipline, making for a seamless transition to the professional workplace or towards advanced degrees in graduate and professional schools.

Students may get credit by enrolling in BIO 4410 for volunteer or paid, off-campus or on-campus work related to their major. Students may register for 1 unit for each 60 hours of work, up to 3 units per semester. Biology majors/options could apply a maximum of 4 units of BIO 4410 as support electives. Majors in Biotechnology and Environmental Biology could apply an additional 4 units of BIO 4410 (and/or BIO 4610) toward Core Electives.

How to Sign up for BIO 4410?
- Students must identify an Internship sponsor prior to registering in BIO 4410.
- BIO 4410 should be taken concurrently with internship.
- Student must complete the form for BIO 4410 Internship Learning Plan available in the Department Office or online (PDF). This form requires signatures of your job Supervisor (with his/her business card) and the designated department Internship Coordinator. Submit the signed form to the Department Office for a permission number to enroll in BIO 4410.
- Grading is based on evaluations from the internship supervisor and the report submitted by the student.

Who are the Internship Coordinators?
- Biotechnology: Dr. Lin
- Environmental Biology: Dr. Valdés or Dr. Leong
- Pre-Professional: Dr. Zhao
- Biology: Dr. Valdés

Cal Poly Pomona Biotechnology Internship Program
Resources of internship opportunities and how to get started

Up to 4 units of BIO 4410 or BIO 4610 can be applied to “Emphasis Electives”!
Pre-Professional Advising

Welcome

Are you obtaining a bachelor's degree at Cal Poly Pomona? Is your long-term goal to obtain a PhD, MD, DDS, or other type of post-baccalaureate degree? If the answers to both are "yes", you are welcome to seek out our Pre-Professional Advising service, which is intended to help guide students in gaining access to professional schools after graduation.

Dr. Yuanxiang (Ansel) Zhao
Professor and Pre-Professional Advisor

The following services are offered to interested Cal Poly Pomona students with active CPP email accounts:

- Advising on academic prerequisites for professional schools
- Advising on extracurricular activities (research, internship, volunteer work, leadership role etc.)
- Serving as the liaison between students and any established linkage/pipeline programs with professional schools
- Personal statement and resume review

The advising areas include:

- Environmental Health Specialist
- Medical Technologist (Clinical Lab Scientist)
- Dentistry
- Medicine
- Optometry
- Pharmacy
- Physician Assistant
- Veterinary Medicine
- Other Health Sciences

Each program and each Institution has its own prerequisites. The general admission prerequisites include the following:

- 1 year of English
- 1 year of general biology with laboratory
- 1 year of general (inorganic) chemistry with laboratory
- 1 year of organic chemistry with laboratory
- 1 year of physics with laboratory
- Highly recommended courses include Biochemistry, Genetics, Cell Molecular Biology and Physiology

For one-on-one advising, please visit Dr. Zhao during office hours.
Career Success Tips

• Join a discipline or career-oriented club
• Network with students of the same interests
• Attend talks by guest speakers
• Attend career fairs and resume workshops
• Talk to professors or faculty advisors regularly
  • You may need to list them as a reference or ask them for a Letter of Recommendation.
• Participate in internship or research
Bronco Support Centers

- Tutoring
- Academic Skills
- Workshops
- Test Preparation
- Food Resources
- Housing Support
- Emergency Funds
- Case-Management Support

Testing Accommodations
- Academic Skills
- Case-Management Support
Students graduating in Fall 2020 Semester will **have registration priority** if you apply graduation before April 2\textsuperscript{nd}, 2020.
Early Commencement Participation

• Early Commencement Participation (ECP) is available to students that **will not** be completing their graduation requirements at the end of Spring Semester.
  • At the time of submitting the ECP application, the student must only have **8 or fewer quarter units (6 or fewer semester units)** to complete after the end of Spring Semester.
  • At the time of submitting the ECP application, the student must be in **good academic standing** (2.0 in Major Core, CPP and Overall).

Deadline: March 27, 2020
Staff Advising Hours
Appointment Only

bio_advisor@cpp.edu