

# Biological Sciences Student Guide 2024-2025



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Follow the department on social media to stay up to date on unique opportunities, deadlines, upcoming department events, and more!



Instagram: @depaulbiodept

~For more information, please visit: <http://go.depaul.edu/biology>~

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**Welcome to the Biological Sciences Student Guide!** This guide is intended to aid Biology students (both majors and minors) to successfully carry out their programs. We have tried to include a lot of the information students would find useful in scheduling their courses, understanding their requirements, knowing what resources exist to help in their academics, and beyond! Since there are always ongoing changes and last-minute substitutions, we apologize in advance for any updates that need to be made. Please let us know of any errors you find, as well as any additional types of information you would like us to include. Our goal is to make sure every student has access to all the information needed to complete our program and to help students succeed in their academic careers.

## Contacting the Biological Sciences Department

**Main Office:** McGowan North, room 118

**Phone:** 773-325-7595

**Hours:** Monday-Friday, 9-5pm

### Academic Advising

Be sure to meet with your academic advisor at least once a quarter to ensure you are on track for completing the Biological Science major at your desired graduation time. **Current Biological Science majors** meet with the Departmental Academic Advisor, Sarah Finck. Appointments can be made through [OneDePaul Student Success](#), or by calling (773) 325-8490.

*Advising for exploring students:* Contact [the Office for Academic Advising Support \(OAAS\)](#)

Students also have assigned **BIO faculty advisors** and are encouraged to meet with Career Advisors as well. Your assigned faculty advisor appears in your OneDePaul Student Success Network. Please contact Sarah at [sfinck@depaul.edu](mailto:sfinck@depaul.edu) if you do not have a faculty advisor assigned or would like to request a certain faculty advisor. **Please see the Advising Umbrella** at the end of this document to better understand how each of your advisors can help you!

**Career Advising:** DePaul's Career Center has a Health Care & Science Career Community! Start working with the career center early on for assistance exploring and preparing for your post-grad endeavors. Services include resume/cover letter/CV review, interview preparation, career exploration, and more. [View their website here](#) for more information.

**Pre-Health Advising:** Interested in a health-career? We also have dedicated Pre-Health Advisors, Lindsey Burdick and Johnna Gerona. We encourage you to visit [their website](#) for more information. To schedule an appointment call (773) 325-8490 or register through OneDePaul Student Success (Get Help→Support Office→Pre-Health Advising Office).

See the final page of this document for the BIO Advising Umbrella! It provides clarification about how different advisors can help you!



## Cover Photo Captions

**(Top Left):** Dr. Windsor Aguirre sequences genomes of freshwater fish species in Ecuador. Dr. Aguirre, a CSH evolutionary biology professor, shared his cross-culture journey between Ecuador and the U.S. that led to wildlife research and conservation in South America in a recent Journeys Seminar.

**(Top Middle):** BIO Students attend Midwest Ecology & Evolution Conference (MEEC).

Jonathan Allen (BIO: with Kenshu Shimada). A marine bonebed of the Upper Cretaceous Niobrara Chalk, western Kansas.

Jessica Barton (BIO: with Kattie Morris, Dennis Merritt, Seth Magle, and Jalene LaMontagne). Does urbanization influence population trends of European starlings and their relationships with cavity-nesting birds?

Isaac Bruns (BIO: with Timothy Sparkes). Host-specificity of *Posthodiplostomum* parasites in sympatry and potential spillover effects.

Roberto Cucalon (BIO: with Windsor Aguirre and Jalene LaMontagne). Is white spruce population genetic structure related to mast seeding?

Cristian Corona (BIO: with Abigail Leeper and Jalene LaMontagne). Eastern spruce budworm defoliation of white spruce over balsam fir in northern Wisconsin.

Timothy Cronin (BIO: with Timothy Sparkes). Parasite infection, host predation, and transmission in a complex habitat.

Daniela Garza (BIO: with Bruce Schumacher and Kenshu Shimada). Fossil marine vertebrates from the Juana Lopez Member of the Upper Cretaceous Carlile Shale in southeastern Colorado

Riley Hacker (BIO: with Kenshu Shimada). An ichthyodectiform fish (Osteichthyes: Actinopterygii) from the Arlington Member (mid-Cenomanian) of the Upper Cretaceous Woodbine Formation in Texas.

Dana Hundrieser (BIO: with Kenshu Shimada). Marine vertebrate fauna of the Upper Cretaceous Fairport Chalk in Russell County, Kansas.

Alexandra Krak (BIO: with Kenshu Shimada). On the dentition of the extinct megamouth shark, *Megachasma applegatei*, from the late Oligocene-early Miocene of southern California, U.S.A.

Andres Lafuente S. (BIO: with Kenshu Shimada). Pectoral fin radials in lamniform sharks (Elasmobranchii: Lamniformes) with special reference to their segmentation patterns in lamnid taxa.

Abigail Leeper (BIO: with Jalene LaMontagne). Mast seeding and a spruce budworm outbreak: a lesson in peer pressure.

Maria Jazmin Rios (BIO: with Seth Magle and Jalene LaMontagne). The rat wins the race? Spatio-temporal patterns of brown rat populations in the Chicago.

Kristin Staub (BIO: with Windsor Aguirre). Correlation between altitude and morphological variation of fishes in Andean mountain streams.

Myles Walsh (BIO: with Kenshu Shimada). Examination of torso morphology in extant terrestrial amniotes to infer the body morphology of quadrupedal non-avian dinosaurs.

**(Top Right):** Dr. Shimada photographed with the tooth of the extinct shark, *Otodus megalodon*. Dr. Shimada recently appeared in journals and news articles discussing the enormous tooth size of the shark. Dr. Shimada is a paleobiologist, with a specialty in a group of sharks known as lamniforms.

# BIOLOGICAL SCIENCES DEPARTMENT

## Faculty and Staff Contact Information

<i>Name</i>	<i>McGowan Office</i>	<i>Extension</i>	<i>E-mail</i>
<b><u>Faculty</u></b>			
Dr. Windsor Aguirre ( <i>Evolutionary Biology</i> )	McGSo 221A	x58005	<a href="mailto:waguirre@depaul.edu">waguirre@depaul.edu</a>
Ms. Rima Barkauskas, M.S. ( <i>Senior Instructor</i> )	McG 116	x51891	<a href="mailto:rbarkaus@depaul.edu">rbarkaus@depaul.edu</a>
Mrs. Claire Behrens, M.S. ( <i>Laboratorian</i> )	McG 114	x51557	<a href="mailto:cbehren1@depaul.edu">cbehren1@depaul.edu</a>
Dr. Margaret Bell ( <i>Neuroendocrinologist</i> ) ( <i>Joint appointment with Health Sciences</i> )	McG 122	x57066	<a href="mailto:margaret.bell@depaul.edu">margaret.bell@depaul.edu</a>
Dr. Joanna Brooke ( <i>Microbiologist</i> )	McG 203	x51161	<a href="mailto:jbrooke@depaul.edu">jbrooke@depaul.edu</a>
Dr. Jason Bystriansky ( <i>Physiologist</i> )	McGSo 412F	x58726	<a href="mailto:jbystria@depaul.edu">jbystria@depaul.edu</a>
Dr. Andrew Conith ( <i>Developmental Biology</i> )	McG 239	x52194	<a href="mailto:aconith@depaul.edu">aconith@depaul.edu</a>
Dr. Sarah Connolly ( <i>Microbiologist</i> ) ( <i>Joint-appointment with Health Sciences</i> )	McGSo 411D	x54498	<a href="mailto:sconnol6@depaul.edu">sconnol6@depaul.edu</a>
Dr. Terry Fitzpatrick	McG 213	x57462	<a href="mailto:tfitzpat@depaul.edu">tfitzpat@depaul.edu</a>
Dr. Phillip Funk ( <i>Immunology</i> )	McGSo 445	x58479	<a href="mailto:pfunk@depaul.edu">pfunk@depaul.edu</a>
Dr. William Gilliland ( <i>Genetics</i> )	McGSo 219A	x57464	<a href="mailto:wgillila@depaul.edu">wgillila@depaul.edu</a>
Dr. Crystal Guzmán	McG 209	x52188	<a href="mailto:cguzma17@depaul.edu">cguzma17@depaul.edu</a>
Dr. Richard Hudson	McG 111	x54787	<a href="mailto:rhudson5@depaul.edu">rhudson5@depaul.edu</a>
Dr. JingJing Kipp ( <i>Physiologist</i> )	McG 206	x54646	<a href="mailto:jkipp@depaul.edu">jkipp@depaul.edu</a>
Dr. Jessica Pamment	McG 111	x57272	<a href="mailto:jpamment@depaul.edu">jpamment@depaul.edu</a>
Dr. Talitha Rajah ( <i>Cancer Biology</i> )	McGSo 223A	x58006	<a href="mailto:trajah@depaul.edu">trajah@depaul.edu</a>
Dr. Sarah Richardson	McG 111	x51567	<a href="mailto:sricha10@depaul.edu">sricha10@depaul.edu</a>
Dr. Megan Schrementi ( <i>Laboratorian</i> )	McG 113	x52184	<a href="mailto:mschreme@depaul.edu">mschreme@depaul.edu</a>
Ms. Beth Shaffer-McCarthy, M.S.	McG 111	x50073	<a href="mailto:eshaffe5@depaul.edu">eshaffe5@depaul.edu</a>
Dr. Kenshu Shimada ( <i>Paleobiology</i> ) ( <i>Joint-appointment with Env. Science</i> )	McGSo 203	x53697	<a href="mailto:kshimada@depaul.edu">kshimada@depaul.edu</a>
<i>Graduate Program Director</i>			
Dr. Kate Soderstrom	McG 109	x57692	<a href="mailto:ksoderst@depaul.edu">ksoderst@depaul.edu</a>
Dr. Timothy Sparkes ( <i>Aquatic Biology</i> ) <i>Department Chair</i>	McG 115 & McG 236	x52187	<a href="mailto:tsparkes@depaul.edu">tsparkes@depaul.edu</a>
<b><u>Recently Retired (Emeritus) Faculty</u></b>			
Dr. Stanley Cohn			<a href="mailto:scohn@depaul.edu">scohn@depaul.edu</a>
Dr. John Dean			<a href="mailto:jdean@depaul.edu">jdean@depaul.edu</a>
Dr. Margaret Silliker			<a href="mailto:msillike@depaul.edu">msillike@depaul.edu</a>
<b><u>Academic Advisor</u></b>			
Ms. Sarah Finck, M.A.	McG 121	x58636	<a href="mailto:sfinck@depaul.edu">sfinck@depaul.edu</a>
<b><u>Department Assistant</u></b>			
Mr. James S. Roth	McG 118	x57595	<a href="mailto:jroth22@depaul.edu">jroth22@depaul.edu</a>

## Degree Requirements:

Table I. Comparison of current BS and BA programs in Biology (differences highlighted in grey)

<b>Program Requirements BS Integrative Concentration</b>	<b>Quarter Hours</b>	<b>Program Requirements BA</b>	<b>Quarter Hours</b>
<b>Liberal Studies Requirements, 19courses</b> Chicago Quarter (4) Focal Point Seminar (4) First-Year Writing (8) Seminar on Race, Power, and Resistance (4) Experiential Learning (4) Capstone Seminar (4) [i.e. BIO 395] Arts & Literature (12) Philosophical Inquiry (8) Social, Cultural, and Behavior Inquiry (12) Religious Dimensions (8) Historical Inquiry (8)	76	<b>Liberal Studies Requirements, 21courses</b> Chicago Quarter (4) Focal Point Seminar (4) First-Year Writing (8) Seminar on Race, Power, and Resistance (4) Experiential Learning (4) Capstone Seminar (4) [i.e. BIO 395] Arts & Literature (12) Philosophical Inquiry (8) Social, Cultural, and Behavior Inquiry (12) Religious Dimensions (8) Historical Inquiry (8) Math & Computing (4)	80
<b>Major Requirements, 16 courses</b> BIO 191-193 (Gen Bio: 12) CHE 130-135 (Gen Chem: 12) CHE 230-233 (Org 1 & 2: 8)* PHY 150-152 (Gen Physics: 12) MAT 150-151 (Calculus: 8) BIO 206 Biostatistics (4) BIO 260 Genetics (4) <b>Concentration Requirements, 3 courses</b> BIO 215 or 235 Ecology or Evolution (4) BIO 307 Animal Physiology, or BIO 308 Human Physiology, or BIO 309 Plant Physiology (4) BIO 250 Cell Biology (4)	60	<b>Major Requirements, 11 courses</b> BIO 191-193 (Gen Bio: 12) CHE 130-135 (Gen Chem: 12) BIO 206 Biostatistics (4) BIO 250 Cell Biology (4) BIO 260 Genetics (4) BIO 215 Ecology or 235or Evolution (4) BIO 307 Animal Physiology, or BIO 308 Human Physiology, or BIO 309 Plant Physiology (4)	44
<b>Major Advanced Electives, 6 courses</b> Six additional Biology courses. At least two of the Six must have a lab component and at least two of the five must be 300-level courses	36	<b>Major Advanced Electives, 3 courses</b> Three additional Biology courses. Two of which must be 300 level (3)	12
<b>Open Electives</b>	20	<b>Open Electives</b> BA students are required to complete the Modern Language Requirement	56
<b>Total hours required</b>	192	<b>Total hours required</b>	192

## **Degree Requirements (Cont.):**

**Students must earn a C- or better in all major coursework.**

**Concentrations:** Students in the BS are enrolled in the Integrative Concentration upon entering DePaul. You can change your concentration at any time in Campus Connect (Advising, Progress & Graduation → Change College, Major or Minor), though we do recommend students who have already started working on their concentration requirements to contact their advisor before changing. A list of all possible concentrations and their course requirements can be found [here](#).

**Organic Chemistry requirement:** CHE 234/235 is no longer required under the BIO BS as of the 2021-2022 academic year. Many students here before 2021-2022 will still show this requirement on their BIO BS DPR. Those students may elect to substitute any *additional* 300-level BIO lab course in place of the CHE 234/235 requirement. Students that need the full year of Organic Chem for post-grad plans should plan to take CHE 234/235 as a concentration elective (if applicable) or Open Elective.

**BIO Senior Capstone:** Students with a primary major in Biology are required to complete the Capstone offered by the Biology department. Students double majoring or pursuing dual degrees with the primary major or primary degree in Biology are required to complete the Capstone offered by the Biology department. Biology students in the University Honors Program shall take the University Honors Capstone. They are not expected to take both the Honors Capstone and the primary major or primary degree Capstone.

**University Honors Students and Liberal Studies Requirements:** Liberal Studies Requirements differ for students in the Honors Program. Please meet with the CSH Honors Advisor, Priscilla Bautista, for specific Honors Program inquiries. Priscilla Bautista can be reached at [pbautist@depaul.edu](mailto:pbautist@depaul.edu)

### **Additional Graduation Requirements**

- No grade lower than a C– is acceptable in a student’s major, minor or allied field.
- Students must have a minimum of 2.000 cumulative grade point average.
- Students must have a minimum of 2.000 cumulative grade point average in the major, minor or allied field.
- Students must abide by the university residency requirement. The student must have completed the following work at DePaul University: the final 60 quarter hours of credit; one-half of the credit earned in the major area of concentration; one-half of the credit earned in the minor if applicable; all courses in the senior year.

## **Experiential Learning**

**\*Experiential Learning** is a LSP requirement that can be fulfilled in several ways. A description of this requirement is found [here](#).

The important thing to remember is that you must be doing the experience (typically something meaningful outside the classroom, such as an internship, research, job, study abroad, etc.) **while you’re enrolled in the corresponding Experiential Learning course** in order to receive credit for the EL requirement.

1. **[CLD 250 Navigating the Workplace](#):** (formerly UIP 250) Complete the course application to see if your job or internship (doesn’t have to be related to the field) is eligible for CLD 250. For any questions about this course, or help finding an internship please refer to the link above or contact the Career Center directly at [career\\_center@depaul.edu](mailto:career_center@depaul.edu)
2. **[Research](#):** If you get a research opportunity in a DePaul professor’s lab, you’ll work with the professor and their department to get enrolled in the appropriate independent study and/or research course. For BIO, for example, that’s BIO 397 Mentored Research Experience in Biology.
  - a. If you get a research opportunity outside of DePaul, it’s treated like a job or internship and you would therefore refer back to bullet 1 and see if you can earn credit through CLD 250.



3. **Study Abroad:** Courses may differ depending on program. Review the Study Abroad website for more information and contact that office directly for any questions regarding abroad opportunities.
4. **Service-Learning Courses:** These are DePaul courses that have a required community service project or volunteer hours component, so unlike the options above, the experience and course are all rolled into one. You enroll, attend class, and fulfill your assigned role or hours. These can be tricky to find because they're listed among all other EL courses, which include many that are restricted upperclassmen in certain majors. So options like Internship in Accounting, or Field Work in , for example, are not service-learning courses. When browsing the list, you want to look for titles with words and phrases like "community engagement," "social justice," "making a difference," etc. Those appropriate service-learning courses that are open to all students will typically have a clear community service, social justice, and/or multicultural theme to them. Please contact Sarah for help identifying Service-Learning Courses.

### BIO Department Experiential Learning Courses

We currently have the following courses specifically for Biological Sciences students (*NOTE: Some courses are not offered every quarter, please contact Sarah Finck for more information about availability*):

- **BIO 302 Student Laboratory Instruction** – Completion of course requires student to serve as teaching assistant for biology laboratory course in the following quarter.
- **BIO 303 Intro to Scientific Research** – Course requires that student has had (or currently having) experience in scientific research.
- **BIO 318 Field Studies in Marine and Estuarine Biology** (aka unofficially "the South Carolina trip course.") This course is designed for science majors with an interest in marine and estuarine biology and will examine this subject from an ecological perspective. The primary objectives of the course are: 1) to explore the diversity of marine and estuarine life; 2) to understand the manner in which physical and biological factors influence biological diversity in marine systems; 3) to understand the role that humans play in shaping these dynamics; and 4) to develop professional connections and gain real-life experiences in marine science. *Reach out to Dr. Sparkes ([tsparkes@depaul.edu](mailto:tsparkes@depaul.edu)) with questions about joining this course. Offered in December Sessions.*
- **BIO 369 Stem Peer Mentoring** – This course is designed for undergraduates who will be mentoring students in the College of Science and Health. The purpose of the course is to prepare mentors to welcome STEM students into the culture of the scientific community at DePaul. Mentors will encourage their peers to use tools and resources designed to help them build a sense of belonging and achieve academic success. The course will include readings, presentations, and activities, which will support the student's development as a peer mentor. Students will reflect on their experiences to inform their efforts in creating a supportive learning environment for their peers. *By approval – contact Erin Berkowitz ([eberkowi@depaul.edu](mailto:eberkowi@depaul.edu).)*
- **BIO 388 Research Methods In Biology** – *\*Please note this course is not currently pre-approved for Experiential Learning Credit, so students complete the LSP Exceptions Request form found at <https://academics.depaul.edu/liberal-studies/current-student-resources/Pages/LSP-Exception-Policies.aspx>, and submit to [liberalstudies@depaul.edu](mailto:liberalstudies@depaul.edu).* Research Methods in Biology is a methods-based course designed for science majors that will focus on learning a variety of cutting edge methods used by biologists to carry out research. Throughout the course, students will develop an in-depth understanding and appreciation for one or two research methods which are associated with projects they will undertake as part of BIO 389 (Research in Field Biology). You will collect data utilizing your method to complete your chosen research project in BIO 389.
- **BIO 389 Research in Field Biology** (study abroad course) is a research-intensive course designed for science majors and graduate students that will focus on developing skills of collaborative field-based research. Throughout the course, students (working in groups of 2 or 3) will utilize the scientific method to develop and carry out an original research project. Students will utilize the primary literature to learn the current state of research in an area that interests them, then use that knowledge to develop a novel question they can test with a field-based experiment. Data collected will be analyzed and results compiled into a publication quality paper. Students will then present their study to their peers in the form of an oral or poster presentation. *\*Please note this course is not currently pre-approved for Experiential Learning Credit, so students complete the LSP Exceptions Request form found at <https://academics.depaul.edu/liberal-studies/current-student-resources/Pages/LSP-Exception-Policies.aspx>, and submit to [liberalstudies@depaul.edu](mailto:liberalstudies@depaul.edu).*



- **BIO 397 Mentored Research in Biology:** *For students participating in research with a faculty member and wishing to receive Experiential Learning credit, you can complete the Course Application for BIO 397: Mentored Research Experience in Biology.* The faculty research mentor and student will work together to formulate a research question based on current biological knowledge and the scientific literature. They will develop hypotheses to guide designing and conducting experiments to test the hypotheses. Under faculty supervision, the student will analyze their data and propose follow up experiments. The results and conclusions will be reported in a final project which may be a poster or oral presentation, or research manuscript. In addition, the student will reflect on how the project activities and experiences have contributed to their personal growth as a scientist and their future career plans. Relevant safety and ethical training will be based on the specific proposed research. **Enrollment:** Students interested in earning **Experiential Learning** credit for research done with a Biological Sciences faculty member should enroll in BIO 397 Mentored Research Experience in Biology. Students and faculty must complete the BIO 397 Course Application form ([BIO 397 Form.pdf](#)) and Experiential Learning Research Contract ([BIO 397 Contract.pdf](#)) in order to enroll in the course. Students can also obtain **Independent Study** credit (BIO 399) for their research with faculty consent.

### Study Abroad (Biology-Specific)

(NOTE: Not offered every year. Please contact Sarah Finck regarding upcoming options)

#### **FY@broad Ecuador: Biodiversity & the Modern Extinction Crisis**

This Focal Point Seminar (LSP 112) and First-Year Study Abroad program looks at the modern extinction crisis, examining it from biological, economic, and ethical perspectives. What is the nature of biodiversity? What economic factors are contributing to the destruction of the world's ecosystems? Can the ethics of preserving nature make a real impact on conservation efforts? By addressing these questions, you will study the current impact human beings are having on the planet. During the travel to Ecuador, you'll visit three distinct ecosystems? the high-elevation páramo of the Andes Mountains, the Amazon rainforest, and the marine ecosystem of the Pacific coast. In each region, you'll observe diverse wildlife, study what makes that ecosystem unique, and learn about the major conservation challenges. Along the way, you will hike, snorkel, meet local experts, and learn about the culture of one of the most biologically diverse countries in the world. Find more information on the Study Abroad website:

<https://programsabroad.depaul.edu/index.cfm?FuseAction=Programs.ViewProgramAngular&id=10416>

#### **Spain: Research Experience – From Atoms to Ecosystems, Science is Global**

This program is designed for students interested in research and international experience in the areas of chemistry and biology. Students will enroll in two courses (BIO 388 and 389) in the Spring quarter, in which they will learn about the research that they will engage in and learn the techniques and methods that they will use in Cadiz. At the end of spring quarter, students will travel to Cadiz, Spain with the group for 2 weeks in July. In Cadiz, students will stay in residence halls, do research and classwork during the day, and visit important sites in and around Cadiz. Upon returning from the program, students will complete their final coursework, which includes a reflection of the program and a final report. Students will gain valuable research experiences as well as international experience that would be difficult to obtain with a science degree's usual course load. Students who have never traveled abroad are highly encouraged to apply, as this will be a very good chance to have a rewarding, memorable, and valuable first trip outside of the United States! Find more information on the Study Abroad website:

<https://programsabroad.depaul.edu/index.cfm?FuseAction=Programs.ViewProgramAngular&id=10312>

## Recommended Timeline for Entering Students in BS

(Most Applicable for Integrative Concentrations)

	<u>Autumn Quarter</u>	<u>Winter Quarter</u>	<u>Spring Quarter</u>
YEAR 1	BIO 191 CHE 130/131 WRD 103 LSP 110/111 Explore/Discover Chicago	BIO 192 CHE 132/133 WRD 104 LSP 112 Focal Point	BIO 193 CHE 134/135 Learning Domain LD or Math Pre-requisite
YEAR 2	BIO 206 Statistics CHE 230/231 BIO 215 or 235 Learning Domain	BIO 250 Cell Bio CHE 232/233 Learning Domain LSP 200 Sem Multicultural	BIO 260 Genetics BIO Elective (CHE 234/235 if needed) Learning Domain Learning Domain
YEAR 3	BIO Elective PHY 150* Calculus I Learning Domain	BIO Elective PHY 151 Calculus II Experiential Learning	BIO Elective PHY 152 Learning Domain Open Elective
YEAR 4	BIO Elective Learning Domain Learning Domain Open Elective	BIO Elective BIO Elective Learning Domain Open Elective	BIO Elective Learning Domain Open Elective BIO 395 Senior Capstone

\*Students who wish to enter **medical school** directly after graduation should take physics during sophomore year. This timeline may not be applicable to other concentrations. See your advisor to create a long-term plan specific to your academic needs and career goals.

## Recommended Timeline for Entering Students in BA

	<u>Autumn Quarter</u>	<u>Winter Quarter</u>	<u>Spring Quarter</u>
YEAR 1	BIO 191 CHE 130/131 WRD 103 LSP 110/111 Explore/Discover Chicago	BIO 192 CHE 132/133 WRD 104 LSP 112 Focal Point	BIO 193 CHE 134/135 Learning Domain Learning Domain
YEAR 2	BIO 206 Statistics BIO 215 or 235 Learning Domain Learning Domain	BIO 250 Cell Bio LSP 200 Sem Race, Cult, Res Math & Computing Domain Open Elective	BIO 260 Genetics 200-Level BIO Elective Learning Domain Open Elective
YEAR 3	BIO 308* Learning Domain Open Elective Open Elective**	300-Level BIO Elective Learning Domain Experiential Learning Open Elective	300-Level BIO Elective Learning Domain Open Elective Open Elective
YEAR 4	Learning Domain Learning Domain Open Elective Open Elective	Learning Domain Open Elective Open Elective Open Elective	BIO 395 Capstone Learning Domain Open Elective Open Elective

\*Students may take either BIO 307, 308, or 309 to complete BIO Physiology requirement.

\*\*If applicable, BA students may need to save three Open Elective courses to fulfill their Modern Language Requirement. Talk to your advisor for more information.

Autumn Quarter 2024			Winter Quarter 2025			Spring Quarter 2025		
100-Level	200-Level	300-Level	100-Level	200-Level	300-Level	100-Level	200-Level	300-Level
BIO 191 General Biology I	BIO 206 Biostatistics	BIO 308 Human Physiology	BIO 191 General Biology I	BIO 206 Biostatistics	BIO 313 Cell Culture Methods	BIO 192 General Biology II	BIO 201 Human Anatomy	BIO 320 Advanced Microbiology
BIO 193 General Biology III	BIO 210 Microbiology	BIO 339 Cellular Neurobiology	BIO 192 General Biology II	BIO 220 Biotechnology	BIO 335 Concepts in Evolution	BIO 193 General Biology III	BIO 206 Biostatistics	BIO 330 Developmental Biology
	BIO 215 Ecology	BIO 342 Cognitive Neuroscience		BIO 250 Cell Biology	BIO 339 Cellular Neurobiology		BIO 210 Microbiology	BIO 347 Topics in Medical Bacteriology
	BIO 250 Cell Biology	BIO 345 Topics in Paleobiology		BIO 260 Genetics	BIO 342 Cognitive Neuroscience		BIO 235 Evolution	BIO 370 Immunobiology
		BIO 380 Cancer Biology			BIO 385 Mammalian Reproduction		BIO 260 Genetics	BIO 381 Topics in Cancer
		BIO 395 Biology Senior Capstone			BIO 395 Biology Senior Capstone			BIO 395 Biology Senior Capstone

**NOTE: This schedule is tentative and subject to change based on professor availability and course enrollment.**

Looking for open electives? Consider one of the following non-majors Biology courses for winter or spring quarter [These courses cannot be taken for credit towards the BA or BS Biology major requirements; they can only be taken as open electives if you are a biology major]:

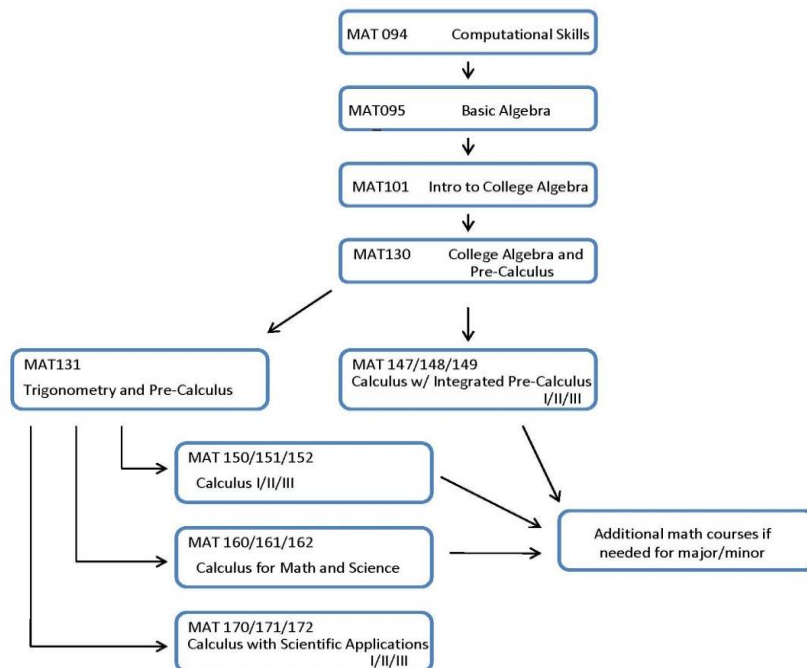
Winter: BIO 162 The Brain: Biology & Behavior; BIO 105 The Science Behind Human Health; BIO 121 Infectious Diseases & Immunity

Spring: BIO 140 The Science of Beekeeping; BIO 134 How the Human Body Works; BIO 105 The Science Behind Human Health; BIO 104 Evolution & Society

## Math Placement for B.S.

Below is a math path that is useful in determining your math placement. Some pre-requisite notes:

- **MAT 130** (4 credits) is the pre-requisite for General Biology I and General Chemistry I
- **MAT 131** (4 credits) is the pre-requisite for Calculus I and Physics I
- **MAT 147/148/149** (6 credits each)– Calculus with integrated pre-calculus. MAT 131 is not needed before taking this sequence. MAT 147 is only offered in the fall quarter; MAT 148 is only offered in the winter quarter; MAT 149 is only offered in the spring quarter. Note: some graduate programs will not take this sequence as the calculus pre-requisite.
- Students only need to complete two calculus courses (i.e. MAT 150/151) to complete the math requirement for the biology major. If students choose to take MAT 147, they must complete 148 and 149. Excess credit earned may be applied to Open Electives.
- **MAT 150/151** (4 credits each)– Standard calculus. MAT 150/151 are each offered every quarter
- The **MAT 160/170** sequences are offered infrequently.



## BA Students do not need Calculus

(unless required for any post-grad plans or used to fulfill the Math and Computing Domain)

### Everything You Need to Know About Enrollment

**TIP:** The biggest enrollment mistake you can make is waiting to enroll! Do not wait until enrollment opens to begin looking at classes or trying to meet with your advisor. Look at the classes as soon as course carts open, put classes you think you need in your course cart, and schedule a meeting right away with your advisor if you need help. Advisors' schedules always book up quickly and pretty far in advance during enrollment seasons, so it's recommended to book early. You should have the classes confirmed and in your course cart ready to enroll the minute your enrollment opens.

**Registering for Classes:** <https://offices.depaul.edu/depaul-central/registration/Pages/add-drop-swap.aspx>.

**Waitlists** are automatic within our system. If you are on the waitlist for a class, you will need to wait until the appropriate amount of people drop from the class to which then our system will automatically add you to the class from the waitlist. You must ensure there are no time conflicts, and that you're not already at the maximum credit hours allowed in a term, or else the waitlist process will skip you and enroll the next student in line, and that will continue to happen each time a seat opens until you resolve that conflict. (See below about using the **Swap Function** to avoid this problem!) There is little to nothing your advisor or the professor can do to get you into a class you are waitlisted for, especially lab based classes. This is due to space and safety issues. But, if you need help finding a back-up course, that is something your advisor can help with.

**Swap Function:** If you are enrolled in a class that has a time conflict with a waitlisted course, or you are already enrolled in the maximum amount of hours, or you are already enrolled in the same course, the automatic waitlist process will skip over you until the conflict is resolved. Therefore, you are advised to use the "Swap" function any time you add yourself to a waitlist. First, enroll in the "backup" course. Then choose "Swap Classes" from the menu on the left within Manage Classes. Find the class that you want to waitlist for and initiate a Swap between that and the "backup" course. Then, if a seat opens up and you are next on the waitlist, you will be dropped from the "backup" course and added to the waitlist. The Swap function can also be used any time you are dropping and adding classes – not just for wait listing. Please contact your academic advisor with any questions or for assistance with this.

**Helpful Videos and Documents** for enrollment, waitlist, swapping classes, and more, can be found at <https://offices.depaul.edu/depaul-central/student-resources/learning-center/Pages/default.aspx>.

**Chemistry Enrollment Instructions:** Please note that Chemistry lists their lectures and lab separately, but require they be taken together. They're what we call **co-requisites** for each other. This means you cannot enroll in one without the other. For all Chemistry classes, you must put both the lecture and lab in your course cart first, and then enroll at the exact same time from there.

Ex.: CHE130 and 131 are the lecture and lab courses for General Chemistry I. These classes are co-requisites and must be taken together.

Chemistry also has pre-requisites. The pre-requisite for CHE 130/131 are placement via the math placement exam or course credit for MAT 130 Function and Mathematical Models. This means you must take that exam before you'll be allowed to register for CHE130 and the corresponding 131 lab co-requisite. Then, each Chem lecture and lab is a pre-requisite for the next in the sequence. You need only have the pre-requisite enrolled/in-progress, to be eligible to enroll in the next Chemistry class for the following term. You do not have to wait until you finish the pre-requisite before you can enroll. Then, if by chance you do not pass that pre-req, you will need to drop the next course or you will be dropped from it when the university runs the pre-requisite check (aka PERC) just before the start of each term.

**Transfer Students with Chem Credit:** Please contact your advisor for help enrolling in chemistry courses if you run into any issues with the enrollment system not recognizing your transfer course work as pre- or co-requisites. (This can happen sometimes as most other schools show the chem lab and lectures as one course, whereas at DePaul those are two separate courses that the enrollment system is looking for.)

**Enrolling in Classes with Pre-Requisites:** You do not need to fully complete a pre-req before you can enroll in the next class. The system recognizes your pre-req as in progress and lets you enroll in the next class. If you're getting a missing requisite error message and have the pre-req in progress, that means you are probably missing a co-requisite or different pre-req.

- **This info is important for Chem, and for any summer enrollment.** This is because students often mistake the "missing requisites" error message in Chem to mean pre-req, even though they're in the pre-req. The full message also mentions co-reqs, which for Chem are lecture and lab. If you have the pre-req in progress, but are trying to enroll in either lecture or lab without the other, it is the co-requisite you're missing.
- **Taking pre-reqs over summer for autumn:** This is relevant for summer because many students try to enroll in autumn classes that might require pre-reqs they intend to take over summer. You must first enroll in the summer classes, which will then show as in progress, and can then enroll in autumn classes.

**Instructor, Department, or other Special Permissions:** Please contact the professor of the course directly to inquire as to whether you can enroll. If they approve, you'll then forward that email to your advisor and they will enroll you. NOTE: Most classes that require special permission are a part of a specific cohort program; therefore, it may not be possible to enroll without belonging to that cohort.

## **Textbooks & I-Clickers**

You can locate, buy and rent the textbooks you need through the DePaul Bookstore's Website or visit in person. You can also check at the DePaul library, or the library's Textbook I-sharing program, to see if books are available there to rent out, free of charge. <https://library.depaul.edu/Pages/default.aspx>

**I-Clickers** are needed for the General Biology sequence, as well as some of the upper-level biology courses, so do not get rid of them!

## **Biology Minor**

To earn a minor in Biology, students must take:

- BIO 191, 192, and 193
- Three courses designed for Biology majors
- Courses that will **not** apply to the Biology Minor:
  - SI courses that are designed for non-science majors (e.g. BIO 115, BIO 126, BIO 155, BIO 162, etc.)
  - BIO 206 – Biostatistics **will not apply** to the Biology minor. The selection of the three elective courses is up to the student and their academic advisor, based on their interests and career goals. Students are free to contact the Biology academic advisor, Sarah Finck at [sfinck@depaul.edu](mailto:sfinck@depaul.edu) on any questions or suggestions for courses they should take to fulfill the Biology minor requirements.

**NOTE:** Student majoring in Biological Sciences BS or BA are restricted from earning a minor in Biology.

# Research

## How to Get Started

Getting started with research as an undergrad can be overwhelming and intimidating to say the least. This will serve as your guide to navigating the initial stages of getting involved with a lab on campus!

*Review this video from CSH Professors about how to approach getting into a research lab:*

<https://www.youtube.com/watch?v=FjJRWfnXFOM>.

## Identify Research Interest

Before even beginning to look at potential labs, it's important to consider what research topics will align with your academic and future career goals. Begin to ask yourself questions like:

- What classes/topics most interest you?
- What kind of skills do you have? What skills are you hoping to gain from research?
- Are you planning on continuing this research in grad school?

Your faculty advisor can help guide you through some of these questions and especially help pinpoint what classes/topics you may be interested in early on.

## Explore Lab Options

Check out DePaul's Faculty Bio Page (below) to find out what professors align with your research interests. On this page you can find some biographical info, descriptions of their research, and even recent publications!

You can also reach out to TAs, other faculty members, or students involved in research to ask questions or learn more about professors or labs.

## Reach Out

One of the best ways to get in contact with professors is simply by sending an email. Keep in mind that the professor can be busy depending on the time of year and their teaching schedule so be patient when awaiting email responses.

One tip that many undergrads involved in research recommend is to find out when a professor has office hours or free time and just stop in to introduce yourself!

When contacting a faculty member about research whether via email or in person introduce yourself and ask them if they can set aside some time to sit and talk with you about their lab. Come prepared with questions you may have about any part of the research process.

## Advice from Current Students

“Sometimes profs can be hard to pin down over email, but don't give up! Send follow up emails if you don't hear back, emails get buried and many of them appreciate the reminder!”

“Make sure you talk with the professor and get to know them and their research to make sure it's a good fit for everyone before committing.”

“Don't be afraid if you have zero experience or you haven't taken a ton of science classes yet, they're here to help you learn and they were once undergraduates with no experience too!”

## Research Opportunities

Faculty within the Biological Sciences Department often have positions available for undergraduates seeking research experience. We encourage students to contact faculty and explore the opportunity for research here at DePaul:

- Visit our website and read through faculty profiles to see the current research projects of our faculty members: <https://csh.depaul.edu/academics/biological-sciences/Pages/faculty-staff.aspx>
- This link lists out some of the internal and external opportunities we have: <http://go.depaul.edu/cshstudentresearch>
- Handshake is our online hub for all things college to career - jobs, internships, career fairs, events, mentors and more. <https://depaul.joinhandshake.com/>
- CUREs: Course-based Undergraduate Research Experiences (CUREs) are projects that engage whole classes of students in a hands-on investigation of a problem that is of interest to the scientific community. Current CUREs courses offered by the biology department include BIO 307, 318, 320, 329, 330, 388, and 389.
  - NOTE: Course availability subject to change. Please see Sarah Finck for additional information.
- If you land a research opportunity, be sure to check with your advisor to see how the research could apply to your experiential learning requirement. **See the Experiential Learning section earlier in this guide to learn about which research courses you can take for credit.**



## Getting Involved

### Student Groups

There are many science-related student groups available for students wishing to get involved in leadership opportunities on campus. Many of those can be found at <https://csh.depaul.edu/academics/biological-sciences/student-resources/Pages/student-orgs.aspx>. But please also visit the Student Involvement website to join and to learn more about all of the below student organizations: <http://studentaffairs.depaul.edu/involvement>.

Also check out the posters around McGowan North and McGowan South for upcoming club meetings and involvement opportunities!

### BIO Department Alumni Newsletter: The Niche

The Niche is the DePaul Department of Biological Sciences alumni newsletter. We hope to present you with information about our future plans and programs, our faculty, students, staff, alumni, and all the activities that make our department such an exciting community to be a part of. We are anxious to share news with you and we hope you find our newsletter both useful and informative. You can find our newsletter here: <https://csh.depaul.edu/academics/biological-sciences/about/Pages/niche-newsletter.aspx>

### Career Center

When is the best time to start using the Career Center? Right away! <https://resources.depaul.edu/career-center/Pages/default.aspx>

There's even a dedicated Health Care & Science Career Community! Start using their many resources early on to gain experiences, learn how to market yourself, and overall prepare for your post-grad endeavors:

<https://resources.depaul.edu/career-center/career-advising/communities/health-care-science/Pages/default.aspx>

- **Career Advising:** <https://resources.depaul.edu/career-center/career-advising/Pages/default.aspx>.
  - Career Communities, Career Coaching & Resume Reviews, Alumni Career Services
- **Resumes & Interviews:** <https://resources.depaul.edu/career-center/resumes-interviews/Pages/default.aspx>.
  - Resumes, Cover Letters, Personal Statements, Portfolios, Interviews, Salary & Negotiation
- **Jobs & Internships:** <https://resources.depaul.edu/career-center/jobs-internships/Pages/default.aspx>.
  - Internship Plus Scholarship, Job Search Basics, Finding an Internship, Handshake (job search board), On-Campus Jobs, Job Fairs & Events, Working Abroad
- **Networking:** <https://resources.depaul.edu/career-center/networking/Pages/default.aspx>.
  - Networking 101, Your Personal Brand, LinkedIn Basics, Informational Interviews, Job Shadowing, Alumni Sharing Knowledge (ASK)
- **Resources:** <https://resources.depaul.edu/career-center/services-resources/Pages/default.aspx>.
  - Career Library, Career & Life Design, Career Closet, Graduate School Guide, Diversity Resources, Services for International Students, Services for New & Incoming Students, Career Readiness & Experience Fund



# Transferring Credits at DePaul University

## Incoming Transfer Students

We strongly urge transfer students to see your staff academic advisor (Sarah Finck, [sfinck@depaul.edu](mailto:sfinck@depaul.edu)) as soon as possible, or at least sometime within your first quarter at DePaul. We want to make sure you are on track to take the proper courses and to establish an appropriate timeline for graduating from the program.

Students transferring from another major, or from backgrounds with little or no science coursework, should realize it might take longer to complete the degree than expected due to the required sequencing of courses. In talking with your advisor, make sure you both understand and are comfortable with any outlined timeline for completion of the Biology program. Especially if transferring any of your required science or math sequences from a semester-system institution, keep in mind these do not always match up perfectly with DePaul's quarter-system sequences.

## Transferring Courses to DePaul (Current Students)

As a DePaul student, if you are considering taking a course outside of the university and transferring in the credits, you should be aware of the policies and guidelines regarding transfer credit. See the Transfer Credit Approval info on the **Transfer Credit Approval form**: <https://csh.depaul.edu/student-resources/advising-student-services/undergraduate-advising/Forms/Pages/transfer-credit-approval.aspx>

Please be sure to read these policies carefully. **STUDENTS MUST SUBMIT A COMPLETED TRANSFER CREDIT APPROVAL FORM TO [CSHADVISING@DEPAUL.EDU](mailto:CSHADVISING@DEPAUL.EDU) PRIOR TO TAKING ANY COURSES AT AN OUTSIDE INSTITUTION.** The College of Science and Health will notify you if your request has been approved or denied.

**NOTE: Last 60 credits must be taken at DePaul University.**

**The Undergraduate Residency Requirement** mandates your final 60 credit hours be taken here. If wanting to transfer any additional credits within your final 60 hours, you must complete the CSH Residency Waiver Request form, and attach the Transfer Credit Approval form to the Residency Waiver. CSH Exceptions will consider your request before approving or denying.

- **CSH Residency Waiver Request form**: <https://csh.depaul.edu/student-resources/advising-student-services/undergraduate-advising/Forms/Pages/residency-waiver-request.aspx>
- **CSH Transfer Credit Approval form**: <https://csh.depaul.edu/student-resources/advising-student-services/undergraduate-advising/Forms/Pages/transfer-credit-approval.aspx>.

**Determining transfer credit equivalents: Transferology** is helpful in determining how transfer credit will be applied to a DePaul degree: <https://www.depaul.edu/admission-and-aid/types-of-admission/transfer-student/transferring-your-courses/Pages/transferology.aspx>

There are also **Transfer Guides** set up with various local community colleges: <https://www.depaul.edu/admission-and-aid/types-of-admission/transfer-student/transferring-your-courses/Pages/transfer-guides.aspx>.

**Be sure to see your advisor if you have questions about transferring credit into DePaul!**

## **AP/IB Credit from High School**

For a full list of accepted AP credit, visit this link: <https://www.depaul.edu/admission-and-aid/test-credit-and-placement/credit-given-by-exam/Pages/ap.aspx>.

For the full list of accepted IB credit, visit this link: <https://www.depaul.edu/admission-and-aid/test-credit-and-placement/credit-given-by-exam/Pages/ib.aspx>

All scores should be submitted through the appropriate testing agency (College Board for AP credit, etc.). We recommend submitting your scores as soon as possible to reduce the risk of earning redundant credit at DePaul. For more information about submitting scores, please contact the Office of Admission at [admission@depaul.edu](mailto:admission@depaul.edu). For any questions related to how this credit can be applied towards your degree, please contact your academic advisor.

**Note:** Many professional school programs do not accept AP or IB credit for science courses. Students who are considering applying to professional programs (e.g. medical, dental, pharmacy, optometry, etc.) should take the general science sequences (Bio, Chem, Physics, etc.) at DePaul.

### **Course Modalities**

As you are building your schedule for the upcoming terms, please learn about the available modalities. Not every class will be available in every modality but be aware of the options and of how to identify them in Campus Connect.

Please visit this page for all you need to know about how to identify course modalities in Campus Connect when choosing your classes, and much more: <https://resources.depaul.edu/student-success/success-strategies/Pages/course-modalities.aspx#identify-modalities>.

You can view the modality of your classes in Campus Connect. Campus Connect > Manage Classes > View My Classes > Select the course you wish to view > Class Details > here you will find the section titled “Instruction Mode”, and the course modality will be listed beneath this.

### **Academic Support Resources**

*Supplemental Instruction, Tutoring, Office Hours, Counseling, and So. Much. More! (Your tuition pays for these services whether you utilize them or not, so might as well take advantage)*

**Instructor Office Hours:** This might be one of the most under-utilized and important resources. Your professors want you to come see them—we mean it! Students are encouraged to attend both their Instructors Office hours, and their Teaching Assistant’s office hours for assistance outside of class. This information should be in your course syllabus.

**Supplemental Instruction (SI)** lessons are a great way to review material learned in the classroom. Supplemental Instruction (SI) is a free program operating out of the Office for Teaching, Learning, and Assessment. Students who are enrolled in SI-supported courses are highly encouraged to attend peer-assisted review sessions led by SI Leaders. SI Leaders are students selected by the faculty to help review class material who successfully completed the course themselves. Sessions are typically held in the Richardson Library in Lincoln Park. For the SI Schedule, click here: <https://resources.depaul.edu/supplemental-instruction/session-schedule/Pages/default.aspx>


**Tutoring by Subject:** Visit the Student Success webpages to find Tutoring by Subject, and other support resources: <https://resources.depaul.edu/student-success/tutoring/Pages/default.aspx>.

**University Counseling & Psychological Services (UCAPS):** Your mental wellbeing is a critical part of your academic success. It is not uncommon for students to place their mental health on the backburner while trying to keep up with all the demands of school, work, and your personal life. But you owe it to yourself to take time to ensure your mental wellbeing. Please see the UCAPS website for up-to-date information on the services they offer: <https://offices.depaul.edu/student-affairs/about/departments/Pages/ucaps.aspx>

# Graduation and Commencement

*Participating in the commencement ceremony is optional and does not equate to degree completion. In some cases, students may be eligible to walk in the ceremony before completing all academic requirements. It is a student's responsibility to review their Degree Progress Report to ensure they are on track to complete the requirements and verify their completion term. Students may apply for degree conferral in Campus Connect; please be aware that submitting an online application does not guarantee a degree will be granted from DePaul University. Additionally, regardless of participation at commencement, students will not receive a diploma until all outstanding financial obligations have been fulfilled. Students should contact their Academic Advisors with questions.*



1. **Check that you meet all [academic requirements](#).** Touch base with your major advisor to make sure you are on track to graduate.
  - a. **All students must graduate with a minimum of 192 credit hours (some transfer students graduate with more), at least a 2.0 cumulative GPA, and have finished all the requirements for their degree.** See more info at <https://catalog.depaul.edu/student-handbooks/undergraduate/undergraduate-academic-policies/graduation-requirements/>.
2. **Apply for Degree Conferral on Campus Connect.** Submitting this application lets the university know that you plan to finish your degree in a specific term. You cannot obtain a degree from DePaul without applying for degree conferral (it is a very quick and easy process). Follow this path in Campus Connect: Advising, Progress & Graduation > Apply for Graduation. You may need to first submit a Diploma Address in the Profile section, then return to Apply for Graduation to select the term in which you intend to graduate and submit.
  - a. Deadlines for applying for Degree Conferral:  
**Autumn Quarter (October 1<sup>st</sup>), Winter Quarter (January 15<sup>th</sup>), Spring Quarter (February 1<sup>st</sup>), Summer Session (July 15<sup>th</sup>)**
3. **RSVP by April deadline if wanting to participate in the June Commencement Ceremony.** You must RSVP for the ceremony via Campus Connect to reserve your six guest tickets.
  - a. Follow this navigation: *Student Homepage > Advising, Progress & Graduation > RSVP for Commencement*.
  - b. For ticket information, visit the [ticket page](#) on this website. This link will not appear until you have applied for degree conferral (see Step 2 above).
  - c. Fill out the RSVP for commencement form. As part of this process, you will be asked to provide information on how to pronounce your name correctly. Use the  [DePaul Phonetic Spelling Guide 2022.pdf](#) as reference.
4. **[Purchase](#) your Cap and Gown**
  - a. After you submit your RSVP (see Step 3 above), a link to the ordering site will automatically pop up. You are not able to [purchase](#) your cap and gown until you indicate you will attend the June ceremony. Please visit the [Cap and Gown](#) page for the deadline to [purchase](#) your cap and gown.
5. **Attend Commencement Kickoff**
  - a. Commencement Kickoff is the distribution of caps and gowns, and other important materials you will need for the day of your commencement ceremony. Visit the [Commencement Kickoff](#) page for more details.
6. **Check the [Commencement ceremonies](#) schedule and find your college.** Don't forget to share this information with [your guests](#).
7. **Took out loans to finance school?** Schedule an appointment with an Advisor in our Financial Fitness Office to learn about loan consolidation and repayment plan options: <http://financialfitness.depaul.edu>.
8. **Need to make plans for after graduation?** Visit the Career Center and meet one-on-one with a career advisor: <https://resources.depaul.edu/career-center/Pages/default.aspx>

**\*For questions regarding resume building, writing a cover letter, and career opportunities, please make an appointment with a Career Center Advisor in Schmitt Academic Center room 192. The Career Center staff can also be reached by phone at (773) 325-7431 and by e-mail at [career\\_center@depaul.edu](mailto:career_center@depaul.edu). Lots of resources can also be found on the Career Center website: <https://resources.depaul.edu/career-center/Pages/default.aspx>.**

# BIO Advising Umbrella – “We’ve Got You Covered!”

See below for how the various advisors available to you can each help.

## What does the Biology Staff Advisor do in appointments?

Assists with course scheduling and long-term planning

Addresses Academic probation and the needs of struggling students, emotional, and/or stressed students

Helps you stay on track towards graduation

Refers to other helpful DePaul Resources of here at DePaul

Addresses Transfer Credit concerns

Explains CSH Exceptions Process

Discusses how to change major/concentration/minor

Adding, Dropping, Swapping, Withdrawing



## What does a Career Center Advisor do in appointments?

Helps students explore their passions, interests, skills, and values

Discusses possible career paths and exploring various career options

Provides resources and insight about how to gain experience and build skills

Provides resources and guidance on finding and applying to jobs, internships, and other opportunities

Reviews and discusses resumes and cover letters

Provides resources about graduate school

Provides resources about connecting and networking with professionals and DePaul alums



## Types of Advising: What's the Difference?



**Biology Staff  
Advisor**

**Career Center  
Advisor**

**Faculty  
Advisor**

**PRE-HEALTH  
ADVISOR**

## What does the Faculty Advisor do in appointments:

Provides mentorship

Discusses different fields within biology and how these relate to the student's interests

Provides upper level course suggestions

Encourages students to think of other possible career opportunities or different routes to get to where they want to go

Provides guidance on finding jobs, internships, and other opportunities in their field

Offers advice on pursuing graduate training—program selection and applications



## WHAT DOES THE PRE-HEALTH ADVISOR DO IN APPOINTMENTS?

Outlines the academic requirements necessary for pre-health and pre-medicine programs

Helps develop a timeline for completing requirements

Explains additional graduate program expectations

Advises on opportunities for internships, volunteering, shadowing and student research

Provides information on application processes and standardized exams

Supports interacting with the Pre-health Advising Committee's (PAC)

