

BIOCHEMISTRY

MA, PHD

Graduate Program

Student Handbook
2023-24

THE UNIVERSITY OF TEXAS AT AUSTIN

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Welcome!

Welcome to the graduate program in Biochemistry at The University of Texas at Austin. This handbook will serve as a resource for incoming and current graduate students in the program, acquainting students with the policies and procedures involved in obtaining an advanced degree. We look forward to working with each student and supporting their progress towards a graduate degree in Biochemistry. We encourage students to actively use this handbook throughout their studies. This handbook is a summary of the university and program policies. For more complete information, refer to the Graduate School Catalog or inquire to the Graduate Advisor or Graduate Program Staff. **This handbook contains guidelines applicable to the class entering in Fall 2023 and supersedes all previous versions.**

Responsibilities as a Graduate Student

Each student is responsible for understanding and following the rules and policies that govern their academic degree. Diligent planning is required to ensure all the milestones and deadlines for the degree are met. The [Graduate School website](#) is a centralized resource for information on degree requirements, deadlines, and policies. Two University catalogs are essential references: The General Information Catalog and The Graduate Catalog. These catalogs are available online at catalog.utexas.edu/graduate. The policies and requirements governing graduate education are dynamic. **Each student is well advised to stay in frequent contact with the Graduate Advisor and/or Graduate Program Staff, and default to them whenever they have questions.**

Required Grade Point Average

The Graduate School requires all graduate students to maintain a cumulative graduate GPA of at least 3.0. If a student's cumulative GPA falls below 3.0, the Graduate School will place the student on academic probation. The student will have one semester to raise their cumulative GPA above 3.0 or they will be dismissed from the program.

In addition to the requirements of the Graduate School, the Biochemistry Graduate Studies Committee (BCH GSC) has set additional requirements for the graduate program. These include:

- Performing all required laboratory rotations during the published rotation periods during the first academic semester. See *Laboratory Rotations* for additional details about this requirement.
- Attend and actively participate in all of the courses. Participation in individual classes will be defined by the course instructor. (Students may request and be granted accommodations for a documented disability. Please see the *Disability Services and Accommodations* for more information.)
- Fulfill all degree requirements outlined in this Graduate Program Handbook.

Failure to satisfy the degree requirements will result in a student not making satisfactory progress toward the degree. In this event, the student will be notified in writing by the Graduate Advisor. The letter will include immediate corrective actions that are required to continue making satisfactory progress towards the degree. If the student fails to take the recommended actions, the Biochemistry GSC will be notified and may then recommend termination from the Biochemistry Graduate Program.

The Graduate School

Graduate students are admitted to both the Biochemistry Graduate Program and the Graduate School of The University of Texas at Austin. All graduate degrees are the responsibility of the Graduate School.

The Graduate School includes the Vice President and Dean of the Graduate School and staff, plus about one hundred Graduate Studies Committees. The Graduate School can be reached at (512) 471-4511 or GradStudentSvcs@austin.utexas.edu.

Each department or field of study offering a graduate degree has a Graduate Studies Committee (GSC) composed of active assistant professors, associate professors, and full professors (tenured and tenure-track faculty). Each GSC sets its policies and supervises its graduate program.

Approximately 30 faculty members from various GSCs, plus six graduate students, serve as representatives in the Graduate Assembly, the legislative body of the Graduate School.

There is also a student organization concerned with issues related to graduate study, called the Graduate Student Assembly (GSA) (utgsa.net). Each graduate program may elect one student representative to the Graduate Assembly, although any graduate student is welcome as a member.

The College of Natural Sciences (CNS)

Dr. David A. Vanden Bout is the Dean of the College of Natural Sciences (cns.utexas.edu). The Dean's office is in W.C. Hogg 3.134 and can be reached at (512) 471-3285 or cnsdean@austin.utexas.edu.

CNS is home to a number of organized research units and twelve academic departments, including Astronomy, Chemistry, Computer Sciences, Human Ecology, Integrative Biology, Marine Science, Mathematics, Molecular Biosciences, Neuroscience, Physics, and Statistics and Scientific Computation.

Please visit the CNS website for additional information about college-wide policies: cns.utexas.edu/graduate-education/college-policies.

The Interdisciplinary Life Sciences Graduate Programs (ILSGP)

Founded in 1997 as the Institute for Cellular and Molecular Biology (ICMB), the [Interdisciplinary Life Sciences Graduate Programs](#) (ILSGP) are a university-wide research unit that supports the Cell and Molecular Biology (CMB), Biochemistry (BCH) and Microbiology (MIC) Graduate Programs. ILSGP faculty members are from multiple departments within the College of Natural Sciences, the College of Engineering, College of Pharmacy, and the Dell Medical School.

In Fall 2020, the Department of Molecular Biosciences became the administrative home for the ILSGP. An Executive Committee, comprised of the Associate Chair for Graduate Education, GSC Chairs, Graduate Advisors, Graduate Program Manager, faculty representatives from different disciplines, and a student representative provide oversight and guidance for graduate education within ILSGP.

US Mailing address:

The University of Texas at Austin
The Interdisciplinary Life Sciences Graduate Programs
100 E. 24th St.
Austin, TX 78712

Campus mailing address:

Mail Code A5000

Email: <mailto:ILSgrad@austin.utexas.edu>

ILSGP administrative offices are located in the MBS Administrative Suite, NHB 2.6XX

The Biochemistry Graduate Program (BCH)

The Biochemistry Graduate Program administration is part of the Interdisciplinary Life Sciences Graduate Programs.

US mailing address:

The University of Texas at Austin
Biochemistry Graduate Program 100 E. 24th St.
Austin, TX 78712

Campus mailing address:

BCH Graduate Program, A5000
Email: <mailto:ILSgrad@austin.utexas.edu>

Biochemistry Graduate Studies Committee (BCH GSC)

The BCH Graduate Program is administered through an executive committee that represents the approximately 50 faculty members of the BCH Graduate Studies Committee (GSC). These members are drawn from diverse departments, with faculty primarily from Molecular Biosciences, Chemistry, Neuroscience, Pharmacy, Physics, Biomedical Engineering and Chemical Engineering, and the Dell Medical School.

A list of GSC members is available at utdirect.utexas.edu/apps/ogs/auth/gsc/nlogon/gsc_members.

Biochemistry Graduate Program Administration

Graduate Studies Committee Chair (GSC): David Taylor, Ph.D.

dtaylor@utexas.edu | 512-471-9156 | NHB 4.121

The GSC Chair oversees the Biochemistry Graduate Studies Committee, which is a committee of all Biochemistry faculty members that sets policy concerning academics and degree requirements for the program. The GSC Chair also oversees graduate admissions for the program.

Graduate Advisor: Daniel Dickinson, Ph.D.

daniel.dickinson@austin.utexas.edu | 512-232-2916 | PAT 206

The Graduate Advisor is a faculty member appointed by the Dean of the Graduate School to advise Biochemistry doctoral students (generally in the sense of clarifying policy or granting exceptions to policy), to monitor their academic progress, and to represent the Graduate School in matters relating to graduate students.

Graduate Program Administration Staff:

Graduate Program Manager: Tiffo Carmichael

ilsgrad@austin.utexas.edu | 512-232-3426 | NHB 2.602

Graduate Coordinator: Elizabeth Davis

ilsgrad@austin.utexas.edu | 512-232-9488 | NHB 2.608

Administrative Associate: Susie Meadows

ilsgrad@austin.utexas.edu | 512-471-5105 | NHB 2.600 (MBS Front Desk)

The Graduate Program Administration Staff are responsible for the day-to-day operations of the programs. Some of their duties include responding to inquiries, facilitating degree processes, handling petitions and special requests, monitoring degree progress, student academic employment, fellowships, registration, and tuition processing, as well as maintaining program and student records. The Graduate Program Staff also implement the recruitment and admission processes. They are responsible for event planning, orientation activities, and supporting the administrative needs of new students. In addition, they are available to assist students with other ad-hoc issues or concerns. Most questions concerning the program can be addressed to the Graduate Program Administration Team, who will consult with the Graduate Program Advisor and GSC Chair as necessary.

Degrees Offered

The Biochemistry Graduate Program is designed for students seeking a Ph.D.; however, under certain rare circumstances and with the consent of the supervisor and Graduate Advisor, a Master of Arts with Thesis may be allowed. Dual degrees are generally not allowed and only under certain circumstances that must be approved by the PI, Graduate Advisor and GSC Chair.

Doctor of Philosophy (Ph.D.)

The Ph.D. program prepares students for a career in research by emphasizing scholarship and original research. By the submission of a dissertation, each student demonstrates that they have a mature knowledge of the field and that they can design and execute original research.

Requirements for Admission

To be considered for graduate admission to the University of Texas at Austin, candidates must meet the [minimum requirements](#) set by the Graduate School and the Biochemistry Graduate Program. Students seeking a graduate degree in biochemistry must have a bachelor's degree or the equivalent in a similar area, such as chemistry, biology, physics, or microbiology with the following preparation: mathematics through one year of chemistry, including organic chemistry, biochemistry, and physical chemistry; general physics; and biology, including cell biology. Students with any deficiencies in these areas should remedy them before applying to the program.

The Biochemistry Graduate Program only accepts students seeking a Ph.D. Admission is only offered for the fall semester of each academic year. Please see the program website for additional details about admissions requirements and procedures: ils.utexas.edu/biochemistry/prospective-students.

Commitment to Access to Education

The Biochemistry graduate program is committed to providing educational opportunities to students from diverse backgrounds. We strongly encourage students of all backgrounds, and especially those who are underrepresented in the sciences to apply for admission to the graduate program. In addition to the support from our department, the University of Texas at Austin offers a number of [fellowships](#) to promote graduate study and diversity. Please also see *Resources that Support a Safe and Inclusive Campus*.

Admission to Biochemistry from the CMB or Microbiology (MIC) Graduate Programs

The GSC Chair and the Graduate Advisor must approve transfers to the BCH program from CMB or MIC graduate programs. Approval is granted on a case-by-case basis and dependent on academic and research performance prior to the transfer request. Transfers for first-year students are typically performed at the end of the first summer, upon completion of two long semesters in the original program. Students who are considering changing programs should consult with the Graduate Advisor and the Graduate Program Staff at the beginning of deliberations.

Academic Requirements for a Biochemistry Ph.D.

As noted above, the Biochemistry Graduate Program expects incoming students to have successfully completed at least one year each of biology (genetics and cell biology recommended), organic chemistry, biochemistry and general physics. Students with any deficiencies in these areas should remedy them as soon as possible. Students are urged to speak with the Graduate Advisor if they have any concerns about what remedial courses may be necessary.

The requirements for a Ph.D. from the Biochemistry Graduate Program are:

- Cumulative GPA of 3.0 or higher
- Continuous membership in a permanent lab after completion of first-year lab rotations
- Completion of the BCH core courses with a grade of at least a B
- Completion of BIO 391 Grant Writing course in the fall of second year
- One additional elective (3 credit hours each and related to Biochemistry)
- Completed TA Training Workshop prior to first TA position
- One semester as a teaching assistant (TA)
 - Note: To be a TA, students must have attended a TA workshop. These are offered at the beginning of each fall and spring semester. Students who have not fulfilled this requirement cannot TA.
- International Students: successful completion of ITA English Language Certification exam and workshop (first year)
- Successful completion of Qualifying Exam (spring of second year)
- Admission to candidacy (after completion of qualifying exam; spring of second year)
- Concurrent registration in dissertation hours from admittance to candidacy until graduation
- Annual meetings with dissertation committee
 - Note: Before making a recommendation to extend PhD candidacy or to defend, the dissertation committee will evaluate the student's progress towards degree, including the student's scientific output in the form of peer reviewed publication(s) as first or co-first author, and presentation of poster/oral presentation(s) at scientific meetings.
- Successful completion of dissertation and final defense

Additional information about Biochemistry Ph.D. requirements are referenced in the Graduate Catalog at <https://catalog.utexas.edu/graduate/areas-of-study/natural-sciences/biochemistry/degree-requirements/>.

Degree Milestones

The UT Austin Graduate School has set up a web-based system of Milestones that should be achieved during the Ph.D. program. Students must review these Milestones upon starting the degree program and check them periodically throughout their training. The current Biochemistry Graduate Program Milestones are published at gradschool.utexas.edu/academics/milestones.

Progress Towards Degree

All students are expected to make reasonable progress toward the degree. Among other situations, any of the following could be cause for dismissal from the Biochemistry Program due to failure to progress:

- Core courses not successfully completed by May of second year
- Qualifying Exam not completed by end of spring of second year
- Admission to Candidacy not initiated by start of third year
- Annual committee meetings not conducted annually or on time
- Dissertation not completed within four years of admission to candidacy

Laboratory Rotations

During the first five months in the program, students are required to perform rotations in the laboratories of at least three ILSGP-affiliated faculty. These rotations broaden laboratory experience and will help students find the research area and permanent laboratory that best suits them. Students are required to spend at least 20 hours per week working in their rotation lab. At the end of each rotation, the faculty member completes a rotation evaluation of the student's performance. These evaluations are shared with the Graduate Advisor and determine whether the student will receive credit for research hours.

2023/24 Laboratory Rotation Schedule

July 10 – August 18, 2023	Early Summer Rotation
August 21 – September 29, 2023	First Rotation
October 2 – November 10, 2023	Second Rotation
November 13 – December 22, 2023	Third Rotation

Lab Rotation Agreements Due

Summer Rotation-May 26th
First Rotation-August 14th
Second Rotation- September 25th
Third Rotation-November 6th

Rotations are arranged through mutual agreement between the student and the faculty member (Principal Investigator or 'PI') of the lab in which the rotation is arranged. Students should start contacting PIs to ensure a rotation placement well in advance of the start of each rotation period. Students should discuss potential funding with PIs when a rotation is being negotiated. It is crucial that students understand how they will be funded should they pursue their Ph.D. in that lab.

Faculty members must be part of the Biochemistry (BCH), Cell and Molecular Biology (CMB) or Microbiology (MIC) GSCs to accept a BCH student for a rotation. **Changes to an assigned rotation may be made only with permission of the Graduate Advisor.** It is not an option to remain in a laboratory for longer than the designated rotation period, nor are students permitted to begin a rotation later than the mandated start date, unless approved by the Graduate Advisor. Failure to participate in or to complete the required lab rotations may result in termination from the program. **If issues arise during a rotation period, the student should consult with the Graduate Advisor.** The Graduate Advisor will evaluate the concerns and recommend an appropriate course of action, which may include approval to change labs.

Once a PI agrees to accept a student for a rotation, a *Rotation Agreement* form is required to document this. The student is responsible for obtaining all required signatures on the *Rotation Agreement* form, including those of the PI and the Graduate Advisor before submitting the completed form to the

Graduate Program Administrator. The *Rotation Agreement* form is due to the Graduate Program Administrator by the start date of the rotation period.

Permanent Laboratories

At the end of the final rotation, students will choose which laboratory to work in on a permanent basis. This is done after careful consideration and consultation with the supervising professor (PI) of the lab. Students who begin their studies in Fall 2023 will join a permanent lab by **January 5, 2024**. ILSGP financial support ends on January 15, 2024 for these first-year students. Subsequent support becomes the responsibility of the permanent lab (starting on January 16, 2024).

Students who begin their studies during the early summer rotation period must join a permanent lab by November 20, 2023. ILSGP financial support will end on November 26, 2023, and subsequent support is the responsibility of the permanent lab (starting on **November 27, 2023**).

It is program policy that first-year students may not be appointed as Teaching Assistants (TA); therefore, PIs are expected to support their first-year BCH student as a Graduate Research Assistant (GRA) in the spring and summer of 2024.

If a student has not made arrangements for a permanent supervisor by the end of the first five months in the program, the student will be notified that the next six weeks are their last in the program, unless they find a permanent lab before this six-week period ends. Students must petition the Graduate Advisor to perform a 4th rotation and to receive financial support during the 4th rotation. Students must petition for a 4th rotation by the deadline to submit the *Permanent Lab Agreement* form. Financial support will depend on funding availability.

After a PI agrees to accept the student into a permanent laboratory, a *Permanent Lab Agreement* form is required to document this. Students are responsible for obtaining all required signatures on the *Permanent Lab Agreement* form, including those of the PI and the GSC Chair before submitting the completed form to the Graduate Program Administrator. Students will be notified via email of the deadline to submit the *Permanent Lab Agreement* form.

Once in a permanent laboratory, a student may change their laboratory if necessary. However, any change must be discussed with and approved by the Graduate Advisor. The new supervising professor must be a member in good standing with the BCH GSC. If the student selects a supervising professor that is not a member of the BCH GSC, that faculty member must request to be added to the BCH GSC. If the new supervising professor is a member of the GSC for the CMB or MIC graduate program, the student may transfer to the new graduate program, pending approval of the new graduate program.

Co-PI Rule

It is possible to have two faculty members listed as supervisors (co-PIs). A student may designate one as primary supervisor or he/she may list both faculty equally as co-supervisors, in which case they will have equal responsibility for the student's progress. However, if one of the supervisors is not a member of the Biochemistry GSC, that faculty member cannot be the primary supervisor. He or she can be a co-supervisor or a secondary supervisor. Students must inform the Graduate Advisor and Graduate Program Staff if they plan to have a co-PI.

Leaving a Permanent Lab

If, for any reason, a student desires to end their association with their permanent laboratory, they are strongly encouraged to contact their Graduate Advisor before notifying the PI of their decision to leave their lab to determine the best course of action. Students will be allowed a maximum of two months to

find another laboratory. While a student is without a laboratory, they may not continue to work toward the Ph.D. and may not have financial support unless through a TA position. The new PI must be a member in good standing of the CMB GSC and must petition the Graduate Advisor asking that the student be allowed to continue in the Ph.D. program. Students in such situations are strongly encouraged to contact their Graduate Advisor before notifying the PI of their decision to leave their lab.

If a PI comes to the conclusion that they need to end their association with a student, the PI is encouraged to contact the student's Graduate Advisor to determine the most reasonable course of action, which should involve documented warnings that precede the formal decision to end the student's tenure in the PI's lab. If the student is supported as a GRA by the PI at the time of the formal decision, the PI is strongly encouraged to continue the support until the end of the semester. If this is not possible, the PI must provide support for at least one month. During the period of continued support and at the discretion of the PI, the student may be expected to continue to work on the PI's funded research projects. Students in such situations are strongly encouraged to contact their Graduate Advisor as soon as their PI gives them a first warning.

Core Courses

Effective Fall 2023, the Fall standard core courses are:

- BCH 395J Genes, Genomes, and Gene Expression
- BCH 190c Responsible Conduct of Research
- BCH 290c Introduction to Biostatistics

In Spring 2024, Biochemistry students must take the following course:

- BIO 395G Graduate Biochemistry

In addition, students are required to take one of the following courses in the spring of their first-year:

- BCH 394P Bioinformatics
- BCH 394 Structure and Function of Proteins and Nucleic Acids
- BIO 395H Cell Biology
- BIO 395F Genetics
- BIO 395M Advanced Microbiology

If a student earns less than a B (3.0) in any of the core courses, they need to retake the course. If it is necessary to repeat a core course, it must be taken at the very next opportunity that the course is offered. The core courses may not be taken more than twice. Note that the Graduate School requires a cumulative GPA of 3.00 to remain in good standing. Failure to pass a core course that is being re-taken for the second time and/or failure to maintain a GPA of 3.0 or higher will result in dismissal from the program.

Core Course Descriptions

BCH 395J Genes, Genomes, and Gene Expression

Explore how genomes are maintained, propagated, and converted to functional RNAs and proteins. Understand the primary literature that has led to key advances in these research areas and the experimental approaches that are currently being used to forge new advances. Appreciate the current frontiers in these areas and explore the boundaries; what questions have known or hypothesized answers, and what questions remain to be answered by the next group of researchers and students.

BCH 190C Responsible Conduct of Research

This course will provide formal training in the ethical and responsible conduct of research in the disciplines represented in the ILSGP graduate programs. Such training is required for researchers funded by training grants and federal fellowship awards, but is also vital for trainees embarking on their careers in scientific research. The class will be taught by a team of faculty with experience in research training and mentorship, using a discussion and case-study based approach. The topics covered will include professional development of trainees, research misconduct, conflicts of interest, collaborations, mentor/mentee responsibilities, authorship and publication, peer-review, data management, animal and human subject research, as well as societal issues such as racism and inequity in science.

BCH 290C Introduction to Biostatistics & Computational Analysis

This course will introduce first year Ph.D. students in the ILSGP graduate programs to the basic concepts and practices of statistics, programming, quantitative data analysis and data visualization as they apply to research in biochemistry, cell and molecular biology, and microbiology. Quantitative data analysis skills are increasingly critical in these research fields, so this course is intended to provide the foundation for developing these skills and prepare for more advanced coursework. Students will learn in an interactive, hands-on manner using the widely used languages R and Python, and build up to executing an independent data analysis project working in teams.

BIO 395G Advanced Biochemistry

This graduate-level course is designed for students interested in dissecting biological problems at the molecular level, and in the tools and methods that drive the process of discovery. Detailed consideration of the structure and function of proteins, with discussion of enzyme mechanisms and kinetics, the biochemistry of energy production, and the metabolism of lipids and nucleotides.

BCH 394 Structure and Dynamics of Protein and Nucleic Acids

This course is designed to give students the tools they need to be successful in a career in research in biochemistry and related disciplines by building a strong foundation to understand structure/function relationships in biological macromolecules. Students are expected to have a basic knowledge of protein and nucleic acid structure at the introductory biochemistry level. Learning is facilitated by computer simulation of reaction kinetics, which provides the basis to learn kinetics but also gives the most robust and comprehensive methods of fitting data to test models.

BIO 394P Bioinformatics

An introduction to systems biology and bioinformatics, emphasizing quantitative analysis of high-throughput biological data, and covering typical data, data analysis, and computer algorithms. Topics will include introductory probability and statistics, basics of Python programming, protein and nucleic acid sequence analysis, genome sequencing and assembly, proteomics, synthetic biology, analysis of large-scale gene expression data, data clustering, biological pattern recognition, and gene and protein networks.

BIO 395F Genetics

This course will focus on modern molecular genetic concepts and the scientific process, with analyses involving genetic mechanisms in biological systems and disease. Instruction will take place through lectures and reading/discussing primary literature. Students will develop and write their own independent research proposal involving primarily genetic topics and methodologies. BIO 395F goes beyond just learning modern genetics and techniques, aiming to provide students with additional skills that can be utilized in careers involving scientific research, obtaining funding, writing and communicating.

BIO 395H Cell Biology

This course will involve an in-depth immersion in the current scientific literature exploring how basic cell biological processes (vesicle trafficking, cytoskeletal remodeling, etc.) contribute to the physiology of organisms, how fundamental molecular mechanisms drive cellular and subcellular behaviors, and how these mechanisms go awry in the course of human disease.

BIO 395M Advanced Microbiology

This course will explore technical and conceptual aspects of modern microbiology. Students will read, comprehend, and present findings from primary literature. An emphasis is placed on experimental methods and design. Students will submit written work outlining new hypotheses and methods for investigation based on current literature. Students will lead discussions on career opportunities and development with the class and industry professionals. Three lecture hours a week for one semester. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.

Additional Required Coursework

BIO 391 Grant Writing and Presentation Skills

In preparation for the qualifying exam, second-year students are required to take BIO 391 Grant Writing & Presentation Skills. BIO391 is a writing-intensive course for second-year graduate student in the fall semester that involves writing of an NIH-style grant proposal on their own research, presentation of the proposal to the class, and practice in identifying specific aims in research areas outside their primary area. The class is taken by students in the Microbiology, Biochemistry, and Cell and Molecular Biology Programs.

BCH_97C Advanced Study and Research in Biochemistry

Students must enroll in research credit hours every semester through admission to candidacy. A student may enroll in BCH 397C (3 credits), 697C (6 credits), or 997C (9 credits), dependent upon the number of other credits they are registered for in each term.

Required Elective

The Biochemistry program requires students to complete one additional elective course related to Biochemistry that will be selected in consultation with the student's PI. Elective courses must be three credit hours and related to biochemistry. Please consult the current course schedule for a list of available electives.

Qualifying Examination

The Qualifying Exam, often called the "qual" or "prelim", is a major milestone in the Ph.D. program. The purpose of the Qualifying Examination is to evaluate a graduate student's aptitude to perform original and independent research and to write a doctoral dissertation. The examination provides a means for a faculty committee to assess the student's mastery of concepts and methodological approaches by evaluating the student's general knowledge and fundamental understanding of Biochemistry and the student's ability to design, articulate, explain and defend the proposed aims and research approach of their dissertation research. The ultimate goal of the Qualifying Examination is to ensure that the student has achieved a sufficiently high level of knowledge and skills necessary for successful completion of a Ph.D. dissertation.

To proceed with the Qualifying Exam, a BCH graduate student must:

- Have a cumulative grade point average of at least 3.0
- Have completed all core courses with a grade of B or above

- Be assigned to a permanent laboratory
- If an international student, have completed ITA English-Language Certification and be eligible for employment “with student contact”

I. Purpose

The Qualifying Examination is a critical step within the doctoral degree program and is required for admission to candidacy. The purpose of the Qualifying Examination is to evaluate a graduate student's aptitude to perform original and independent research and to write a doctoral dissertation. The examination provides a means for a faculty committee to assess the student's mastery of concepts and methodological approaches by evaluating the student's general knowledge and fundamental understanding of biochemistry and the student's ability to design, articulate, explain and defend the proposed aims and research approach of their dissertation research. The examination will concentrate on the experiments and background aspects of the proposed research, but may also test general knowledge in all areas of biochemistry. The ultimate goal of the Qualifying Examination is to ensure that the student has achieved a sufficiently high level of knowledge and skills necessary for successful completion of a Ph.D. dissertation.

It is scheduled typically at the beginning of the fourth long semester, so that students will have completed their core courses, and spent considerable time in a research laboratory.

II. Format

There will be a single written proposal and oral exam on the topic of the student's laboratory research. The written component of the exam will consist of a proposal following the NIH guidelines for a pre-doctoral fellowship, but with an added appendix of relevant figures and preliminary data. In writing the proposal, the student is expected to consult with their advisor, but the work must be entirely their own. For example, a student is not allowed to copy sections of their advisor's research grant proposals. In addition, a student must propose at least one set of experiments that have NOT been suggested to them by their advisor.

The student will be expected to have a thorough understanding of the proposed research, both broadly and specifically. The following is a partial list of the things a student is expected to understand in preparation for the oral exam.

- What is the significance of the proposed research? What are the anticipated results and implications to the broader field of biochemistry and biology? What motivates the proposed research?
- Understanding of the basis for the research in terms of prior literature and foundations of biochemistry (e.g., structures of proteins and nucleic acids, basic energy metabolism, etc.) that underlie the research.
- The student should provide quantitative and/or statistical analysis of their data, including an understanding of the equations used in data fitting and the use of numerical integration in data fitting, when appropriate.
- Understand all aspects of any method the research is using or proposing to use. For example, a student should be able to explain how mass spectrometry, qRT PCR, nextgen sequencing, etc. work if they propose to use these methods.
- If using kits in their research, the student must understand the biochemical reactions that are taking place, how each are used to get the desired result, and what variables may be controlled to optimize the efficiency of the reactions.

- Does the student have a working hypothesis that guides the design of their experiments?
- What are the appropriate controls, both positive and negative for the experiments?
- How will the student adjust their methods if the controls are not working or they are not getting the expected results?
- If the student is making mutations, they must know the structures of the amino acids, the rationale in choosing the mutations, and biochemical basis for expected outcomes. The student should have a working knowledge of the structure of any protein they are studying and how any mutation will impact the structure and/or function of said protein.
- The student should know the meaning of steady state kinetic parameters and equilibrium binding constants, and how they are measured.
- The student should know what it would take to probe the mechanisms underlying the phenomena they are observing in their research.
- The student should consider how their research could lead to a new patent. What might be required to translate the results of their research into a useful product?

III. Timing

All graduate students in their second year who have passed the appropriate number of required courses will take the Qualifying Exam to advance to candidacy. If a student has not passed all the core courses with a grade of B or above, or, if they are an international student and are not yet “certified for employment with student contact,” the Qualifying Exam will be delayed to within three months of completing these requirements. The Qualifying Exam is normally taken in the spring semester of a student’s second year. Students who have not taken the Qualifying Exam by the end of their second year must write an explanatory letter of appeal to the GSC Chair and will be assigned a probationary status until further notice.

Each student is required to submit an abstract and title for the proposed research at least *five weeks* before the qualifying exam date. The abstract should concisely state the problem, and briefly describe the approach that will be used in the research plan. The most relevant references should be included (typically one or two references), as well as a general description of the methods to be used. Each abstract typically fits on one page. Exams will typically be scheduled between early February and early March. The Graduate Advisor and/or Graduate Program Staff will provide instructions about how to submit the title and abstract.

IV. Written Proposal Format

After submitting the abstract, the student will have *four weeks* to complete the written research proposal (the written proposal is due one week prior to the exam). This document involves a detailed description of the background and logic behind the proposition, and the experiments proposed to address it. The proposal should address the following questions:

- What does the student intend to do?
- Why is this important?
- What has already been done?
- How are is the student going to approach the problem?

Proposals are usually hypothesis driven, with experiments designed to test the proposed hypothesis.

The format to be used is as follows:

- **Cover Page:** Includes student name, project title and the name of the supervising professor.

- **Abstract:** This should be a self-contained description of the project, that should be understandable on its own. Include a statement of objectives, and methods to be employed. Limited to 30 lines, the abstract should fit on one page.
- **Specific Aims:** State concisely the goals of the proposed research, and its impact on the research fields involved. List succinctly the specific objectives (e.g., to test a stated hypothesis). Limited to one page.
- **Background and Significance:** Present the background to the proposal, critically evaluating existing knowledge, and specifically identify gaps which this project is intended to fill. State the importance of the research described in this proposal by relating the student's specific aims to longer term goals. Suggested length is two to three pages.
- **Experimental Design and Methods:** Describe the experimental design and the procedures to be used to accomplish the specific aims. Discuss how the data will be analyzed and interpreted. Discuss potential difficulties and limitations with the student's approach and suggest alternative approaches. Point out necessary controls. Potential outcomes of the experiment should be presented, and results described using hypothetical data. These figures should be included under "Supplemental Material" and will not be counted against the page limitations. The student's objective in this section is to convince the reviewer that they know what they are talking about, have thought things through, and are prepared for the inevitable surprises. (Suggested length typically three to five pages)
- **Literature Cited:** Use a standard citation format.
- **Appendix:** Figures, tables, etc. relevant to the proposal may be included in an Appendix. This appendix may be used to show preliminary data and illustrate anticipated results.
- **Biographical Sketch:** Include the student's undergraduate degree and any other degrees earned, TA or GRA experience, and other relevant information.

The proposal should be single spaced with at least one-inch margins on each side, using a 12-point font size. Each item should be identified by its title. Be concise and clear. **An electronic copy (PDF format) of the Written Proposal must be submitted to the Graduate Advisor and Graduate Program Staff one week prior to the examination date.**

Whereas students may seek input on their Written Proposal, the STUDENT MUST WRITE THE ENTIRE DOCUMENT. The student is responsible for being knowledgeable about and defending the entire contents of the Written Proposal. Faculty advisors, and other faculty members, may read, discuss, and make comments on the Written Proposal but may not write or in any way directly prepare a student's materials. Faculty and peers may provide edits for grammar, clarity, style, and spelling, but they cannot write de novo any part of the document.

Note: Students are advised to be extremely careful to avoid plagiarism in preparing the text and figures for the written proposal. While reading the sources of information, students should take notes on the content using their own words and then refer to these notes, rather than the original source when preparing the paper. If a student feels the need to use a phrase from a source, they must be sure to put the phrase in quotes, and reference the source.

V. Oral Examination Format

To conduct the exam, the student will make an oral presentation and defense before a committee of faculty on the assigned date.

The oral component of the Qualifying Exam will be scheduled to last two hours. The student should prepare a twenty-minute talk. The brief presentation will introduce the background material, and the proposed research goals and project. The presentation should include an introduction that states the broad research question(s), an overview of the present state of knowledge, and the background work leading to the proposed project, questions and hypotheses. This should be followed by a description of each of the specific aims, the experimental approach and anticipated results.

The examination committee will generally focus on questions pertaining to the proposal, but may also engage in discussion of related topics. **The supervising PI is invited to the oral defense, but is not a member of the examination committee, and is asked to observe only.** Students will receive outcomes for both the written and oral portions of the exam and the examination committee will discuss the student's performance and their decision with the student, as well as any recommendations or conditions made.

During the Exam

At the beginning of the exam meeting, the student will be excused and the exam committee will briefly discuss the written proposal, the specific exam format, and questioning procedures. Additionally, the committee will discuss the student's academic standing and progress, and the student's faculty advisor should be asked for input about these issues. **If the faculty advisor cannot attend the exam, he/she will be asked to submit written comments to the committee chair, which should be shared with the committee at this time.** The student will re-enter to begin the oral presentation of the proposal. The committee will ask questions throughout the presentation. At the completion of the presentation, and after all questions have been addressed, the student will again exit and the committee will discuss the outcome of the exam; the committee should ask the PI again for input. Following this input, the committee may also ask the PI to leave the room for the remainder of the deliberation period.

Upon conclusion of the exam, the committee will record the outcome and their evaluation on the *Qualifying Examination Results* form, provided by the Graduate Program Staff. This form will be included in the student's record.

VI. Outcomes

1. Unconditional pass.
2. Conditional pass. The committee may ask the student to re-write a portion of the proposal, or satisfy another condition to pass the exam. Establishing conditions is up to the discretion of the committee.
3. No pass. This outcome indicates that the proposal and/or defense are inadequate. Any student receiving this outcome will need to substantially re-write the proposal and re-defend it.
4. Fail.

Re-examination Rules and Procedure

In the event of a failing performance, and at the discretion of the Qualifying Exam Committee, the student will be advised of deficiencies and may be allowed to retake the Qualifying Exam. A student given the option to repeat the Qualifying Exam must do so within three to four months of the original exam, except in exceptional circumstances requiring exemption by the BCH Graduate Advisor. At least

one member of the student's original Qualifying Exam Committee must agree to serve on the subsequent exam committee. All three members may re-serve. The PI may request to the BCH Graduate Advisor that one or two members of the committee be replaced. A student who fails to pass the examination a second time must leave the graduate program by the end of the following long semester. A student who is not offered the option of re-examination must terminate work towards a Ph.D. and may not re-register in the BCH Program. A student advised to take a terminal Master's degree may register only for those courses counted toward the Master's degree and must complete the courses within a year.

After (successful) Presentation and Defense

Get in the lab and get going! Students should use the written proposal as a starting point and a guide for their thesis project.

Admission to Candidacy

Once a student successfully passes the Qualifying Exam, they will apply for and be admitted to candidacy. Students are expected to do so by the end of the second year, after completing course requirements. There may be a small number of students who are not able to complete their qualifying exam with the rest of their cohort. In such cases, the student must reach candidacy by the end of the third year (sixth long semester). Failure to meet this benchmark will result in loss of good standing in the program. Any exceptions require approval of the Graduate Advisor, and must be communicated to the Graduate Program Staff. The Graduate School will notify the student via email when their *Candidacy Application* is approved. Additional information about requirements for admission to candidacy may be found on the [Graduate School website](#).

Requirements for Admission to Candidacy

Admission to Ph.D. candidacy has four requirements:

- Complete the 4 core courses with a grade of B or above.
- A cumulative grade point average of at least 3.0
- Successful completion of the Qualifying Exam
- Submission and final approval of an online [Candidacy Application](#)

Dissertation Committee

Before submitting a *Candidacy Application*, each student will need to form an official dissertation committee. The committee will have three primary responsibilities:

- General supervision of the student's research
- To monitor the student's degree progress
- To certify that an acceptable dissertation is submitted when the student completes the degree

Students may retain Qualifying Exam Committee members as members of their Dissertation Committee, but this is not a requirement. Students should consult with their PI and Graduate Advisor to form a suitable permanent Dissertation Committee. Students should explicitly confirm with proposed committee members that they agree to serve on the Dissertation Committee before submitting the *Candidacy Application*. Any changes in committee membership must be made prior to application for candidacy.

Biochemistry Dissertation Committees must be comprised of at least four members; inclusive of the student's PI and three additional faculty. An additional fifth faculty member is allowed but not required. At least one of the additional three members must be outside of the student's primary GSC. If it is not

possible to acquire a committee member outside of the student's GSC, then at least one member must be outside of their primary department. Approval from the Graduate School may be required in this event. In the event a student has more than one supervisor, an additional faculty member is strongly encouraged.

If a student elects to have a scholar from off-campus on their committee, they must be appropriately credentialed to serve on a Dissertation Committee. Students should consult with the Graduate Advisor for approval prior to contacting faculty members outside of UT Austin. This off-campus committee member would satisfy the outside member requirement for Dissertation Committees, would not have to travel to UT, and may participate in the committee meetings and defense remotely via teleconference (e.g. Zoom, Microsoft Teams, etc.)

Acting Committee Chair

Students will designate an “**Acting Committee Chair**” when forming a dissertation committee.

The Acting Committee Chair will be a faculty member of the student's choosing, but is not their PI. The Acting Committee Chair's role is to advocate for the student and to help mediate conflicts between the student and PI, particularly related to research progress and graduation time.

Please see additional details below:

- The student will work in the PI's lab, so the PI and student will decide the student's specific research project.
- The PI will provide the main scientific guidance on the project, being most familiar with the investigation; the PI will continue to be the formal supervisor of the dissertation, and will be listed as such on the candidacy application, dissertation, and defense paperwork.
- The PI will provide funding for support of the student.
- A faculty member of the student's GSC, but one outside the student's lab, will be designated “Acting Committee Chair” and will:
 - Provide scientific input at annual meetings and on a more frequent basis, as warranted,
 - Together with the PI, student, and other members of the committee, set expectations for the project consistent with the general expectations for a PhD in biological sciences,
 - Make sure the expectations of the student are kept consistent,
 - Work with the PI and other members of the committee to monitor the student's progress toward this established set of expectations, and to communicate the committee's evaluation to the student,
 - Submit the written dissertation committee evaluation form each year;
 - Work with the PI to ensure that the student gets the professional development they seek, given their proposed career path (including but not limited to meeting opportunities, appropriate publication authorship, etc.).

Designating an Acting Committee Chair:

Students and must submit the *Dissertation Committee Membership* form to designate an acting chair.

Changing Dissertation Committee Members

It is sometimes necessary to change the membership of the Dissertation Committee prior to completion of the dissertation. Changes for the sole purpose of constituting a more compliant committee will not be approved. Changes in the committee must be completed well in advance of the dissertation defense. Before changes will be approved, the Graduate Advisor and the Graduate Dean must approve the

Request for a Doctoral Committee Change form. Consult the Graduate Program Staff prior filing a request for a change in committee membership.

Registration in Candidacy Status

Beginning the first long semester after admission to candidacy, student no longer register for Advanced Study and Research and instead must be registered for Dissertation hours. Candidacy students must enroll in Dissertation Hours with a course number ending with a “W” (e.g. BCH 399W, BCH 699W, or BCH 999W) in all subsequent long semesters until graduation.

Extensions of Doctoral Candidacy

The Graduate School requires that the candidacy of each doctoral student be reviewed by their GSC after two years, and annually thereafter. Graduate Advisors are notified when students are due for a review via an electronic document in the EASI SIS Routing Inbox. Based upon review by the student’s dissertation committee and the GSC, a decision to either extend or terminate candidacy will be reached. The graduate adviser will either submit the request for extension via the electronic document to the Graduate School, or by means of petition, the GSC Chair will notify the Graduate School of the recommendation to terminate the student.

Annual Meetings and Dissertation Committee

Once a student has been admitted to candidacy, they are required to meet annually with their Dissertation Committee to review their progress. The first annual meeting with the Dissertation Committee should be held within the next long semester (typically by the end of the fall semester) following admission to candidacy. Subsequent annual meetings should be held in the fall semester of each academic year; however, committee meetings may also take place in the spring semesters, at the discretion of the committee.

Students are responsible for coordinating a meeting date and time with faculty. Once a date for the committee meeting has been agreed upon students must email the [Graduate Program Staff](#) the date the meeting has been scheduled for. Students who have not conducted or scheduled their meeting by March 31st each year will have a registration bar placed on their account. They will not be able to register for Summer or Fall classes until they have scheduled their committee meeting and conveyed this to the Graduate Program Staff.

Following the annual meeting, the Acting Committee Chair will complete an evaluation form, with input from all the committee members, including the PI. This form will be endorsed by the committee and must be returned to the Graduate Program Staff. The signed form and written recommendations will be included in the student’s record.

If a student has not completed the dissertation within three years of admission to candidacy, the results of the annual review will be presented with recommendations to the BCH GSC. The GSC will then decide what actions may be required to address degree progress.

Although the supervising professor provides day-to-day guidance, all committee members are expected to be available for consultation so feel free to ask for advice from any faculty member.

Application to Graduate

Prior to graduation, all students are required to notify the Graduate School of their intent to complete the degree by submitting the online *Graduation Application*. This application must be submitted by the published deadline for each semester. Visit the Graduate School website at gradschool.utexas.edu/academics/graduation for information about current deadlines.

Ph.D. Thesis and Final Oral Exam/Dissertation Defense

The written thesis (dissertation) is expected to be a document covering the body of work produced by the student. Students are encouraged include an introductory chapter, which serves as a starting point to consider the research. The introductory chapter should lay out the relevant knowledge in the field, which is typically accumulated from prior work from the student's lab and others. It also may include a brief map of the student's work and main conclusions. The introductory chapter will be followed by one or more chapters describing the Ph.D. research. Students are also encouraged to include a chapter, typically at the end of the dissertation, that provides a new view of the field (conclusions) and a direction for future research (prospectus).

All students completing the Ph.D. in Biochemistry must successfully present and defend their dissertation to their Dissertation Committee to graduate. The defense consists of two parts. The first is a public seminar that is open to all faculty and students. Immediately following the seminar, the student will meet privately with the Dissertation Committee to respond to questions from the committee members.

As a student is preparing to defend his/her dissertation, the student should consult with the Graduate Program Staff about necessary forms and procedures, as well as review the instructions on the Graduate School website: gradschool.utexas.edu/academics/graduation/deadlines-and-submission-instructions.

The final form of the dissertation must be circulated to the Dissertation Committee at least *four weeks* prior to the anticipated date of the final oral exam. When each member of the committee has had an opportunity to read the draft and agrees that it is ready to defend, the student may schedule the final oral exam. **It is the student's responsibility to coordinate an appropriate defense date, time, and location.** A *Request for Final Oral Examination* must then be signed by the participating Dissertation Committee members and submitted to the Graduate School at least two weeks prior to the defense date.

The student, committee chair, and Graduate Program Staff will be notified via email when the Graduate School approves the *Request for Final Oral Examination*. The Graduate School staff will email instructions for the *Report of the Dissertation Committee* form. This form records the outcome of the student's final oral examination and must be signed by all of the committee members following the defense. **It is the student's responsibility to obtain all necessary signatures and to submit the completed report form to the Graduate School by the published deadline.**

Students preparing to defend their dissertation should consult with the Graduate Program Staff about necessary forms and procedures, as well as review the instructions on the Graduate School website: gradschool.utexas.edu/academics/graduation/deadlines-and-submission-instructions.

Submission of Final Dissertation

Graduating students are required to publish their thesis, report, dissertation or treatise digitally by uploading a single PDF to the Texas Digital Library (TDL). The final document must be in a format acceptable to the Graduate School, and detailed information about formatting specifications can be found at gradschool.utexas.edu/academics/theses-and-dissertations/digital-submission-requirement-formatting. In addition to uploading the final dissertation to the Texas Digital Library, students are also required to submit a printed copy of the following documents, known as the *Required Printed Pages*, to the Graduate School:

- The *Report of Dissertation Committee* with signatures of the supervising committee - no proxy signatures allowed. ALL committee members and the GSC Chair (or representative) must sign the report.
- A [Statement on Research with Human Participants form](#); and
- Any requests to [Delay Publication](#).

The *Required Printed Pages* and final dissertation are due to the Graduate School by 3:00 pm CST on the relevant deadline for each semester. These documents are a requirement for graduation. **If a student does not submit all required materials by the published deadline for a given term, they will not graduate during that semester.** Visit gradschool.utexas.edu/academics/graduation for a list of current deadlines.

Timeline of the Ph.D. Program

First Year

Fall semester

Attendance at ILSGP Annual Retreat and Graduate Program Orientation

Complete first-year core courses

Complete laboratory rotations

Choose permanent laboratory (December/January)

Mid-January: financial support from ILSGP ends

Mid-January: newly assigned permanent laboratory assumes financial responsibility of student

Spring Semester

Complete first-year core courses

Complete ITA English-Language Certification (International students only)

End of August: TA workshop (if TA for the first time in the fall of the second year)

Second Year

Fall semester

Complete BIO 391 Grant Writing Course

*Complete required elective

Spring semester

Take and pass Qualifying Exam

* Complete required elective

Apply for Candidacy (end of spring/summer semester, if all requirements are complete)

Third Year

Fall semester

Enroll in Dissertation (W) course after admission to candidacy

*Complete required elective

Spring semester

Enroll in Dissertation Courses

Hold annual meeting with committee

*Complete required elective

*Note: The required elective can be taken in the second or third year of study.

Fourth Year through Graduation

Hold Annual meeting with committee

Completion of one semester TA requirement

Final semester

Apply to graduate – the deadline is early in semester

Schedule final defense with committee

Complete and defend dissertation

Submit final dissertation to Texas Digital Libraries

Meet all deadlines required by Graduate School

Master of Arts with Thesis (M.A.)

The Master of Arts with Thesis involves original research carried out under the supervision of a member of the Biochemistry GSC. This option is allowed only under certain, rare circumstances and requires the permission of the research supervisor and the Graduate Advisor. Students who are approved to complete a Master of Arts in lieu of the Ph.D. must notify the Graduate Program Staff of this decision. The Graduate Program Staff will create a *Program of Work* to certify completion of the M.A. requirements. The *Program of Work* must be approved by the Graduate Advisor and Graduate School.

Academic Requirements of the Master of Arts with Thesis

- Completion of the Core Courses with a grade of at least a B and an overall GPA of 3.0 or higher. The core courses for a Master of Arts are the same as for the Biochemistry Ph.D.
- Two additional elective courses – One is the BIO 391 Grant Writing, and the second elective should be 3 credit hours and related to Biochemistry
- Completion of a total of at least 30 semester hours of course work with the following requirements:
 - 21 hours must be graduate-level course work,
 - 18 hours must be in the major area,
 - 6 must be in supporting work (Supporting work: non-core biology/chemistry graduate or upper division course.)
- Completion of the BCH 698A and 698B thesis courses; Must be enrolled in the 698B course the same semester as graduation

All work counted for a MA must have been initiated no earlier than six years before date of degree. No more than six hours can be course with credit/no credit grades. Approval of the Graduate Advisor is required prior to registration for a credit/no credit course. No course counted toward any other degree may be counted toward the MA degree.

Master of Arts Thesis Committee

The supervising faculty (PI) and one other BCH GSC member will serve as readers of the MA thesis. It is the student's responsibility to arrange for the second reader. Any faculty member asked to be a reader should have an interest in the topic.

The readers must be allowed at least *two weeks* to read the thesis and return it to the student. Revisions are often necessary, so it is pertinent that the student provide the thesis to their readers well in advance of the final deadline to submit the thesis to the Graduate School. Graduating students must submit all required materials and upload a final copy of their thesis to the Texas Digital Libraries by the published deadlines for each term. Current deadlines and graduation requirements can be found at gradschool.utexas.edu/academics/graduation.

Financial Support

Entering graduate students are supported for the first 4.5 months (Sept 1–Jan 15) by the ILSGP as Graduate Research Assistants (GRA). These positions provide a stipend, access to university health insurance, and tuition remission for up to 9 credits during each fall and spring semester and up to 3 credits during the summer semester. Continued financial support becomes the responsibility of the permanent laboratory starting on January 16 of the first academic year.

The primary means of support for continuing BCH students is through appointment as a Teaching Assistant (TA), Graduate Research Assistant (GRA), or receipt of a University Fellowship or external fellowship (NIH, NSF, etc.). Upon joining a permanent lab, it is the student's responsibility to discuss their stipend and source of support with the PI. When selecting laboratories, students should also inquire as to the availability of summer support from grants as TA positions are very limited during the summer.

Policy for Graduate Student Stipends

It is the policy of CNS and the Biochemistry graduate program for continuing students to maintain compensation in line with the stipend rate for first-year students. The Biochemistry Graduate Program annual stipend rate for 2023/24 is \$40,000. Financial support includes funding for in-state tuition for up to 9 credits during fall/spring and for up to 3 credits during the summer term, payment of the \$125 ISSS semesterly fee for international students, plus access to university health insurance. It is the preference of the Biochemistry Graduate Program that PIs increase their student's stipends to remain in line with the stipend rate for incoming students, as the first-year student compensation may increase from year to year. Certain fellowships and grants may provide students with higher stipends and it is customary for PIs to discuss expected stipend rates with students.

CNS policy states that the minimum stipend should be no less than the TA stipend for that fiscal year or the first-year student stipend, whichever is higher, and must include tuition and fees as stipulated by the Graduate School and Vice-President for Research. To remain in line with program policy, if a student serves as a TA or has a fellowship that is providing funding which is less than the GRA rate, the BCH graduate program requires that the PI supplement the student's stipend so that it is in line with current BCH GRA rates. CNS policies on graduate student employment and stipends can be found at cns.utexas.edu/graduate-education/college-policies/academic-employment.

Academic Employment

Below is a description of the most common forms of benefits-eligible academic employment available to Biochemistry graduate students: Graduate Research Assistantships and Teaching Assistantships. Questions about employment may be directed to the MBS Human Resources staff (MBS_HR@austin.utexas.edu) and/or the Graduate Program Staff. Additional information is available at gradschool.utexas.edu/finances/student-employment.

Graduate Research Assistants (GRA)

Most faculty members have research grants that allow them to appoint students as graduate research assistants (GRAs). Students should be in communication with their PI concerning the availability of continued grant support and the availability of GRA appointments. To be eligible for GRA position, students must be in good academic standing, be making satisfactory progress, and enroll in a minimum of 9 credits during each of the long semesters (fall and spring) and a minimum of 3 credits during the summer semester.

Teaching Assistants (TA)

The BCH Graduate Program requires that all students must be appointed as a Teaching Assistant (TA) for at least one semester by no later than their fourth year. Students will be required to complete this before graduation, but not before admission to candidacy. This is to allow increased flexibility in scheduling without compromising the standard timetable for advancement to candidacy.

The BCH Graduate Program does not directly control TA assignments, but coordinates with the Biology Instructional Office to make TA assignments for graduate students. Each semester, the Graduate Program Staff will survey faculty about the need for TA appointments. Requests for TA positions must be made by the supervising faculty (not the student) directly to the Graduate Program Staff. All students must complete a mandatory TA training workshop prior to their first TA appointment. This workshop is offered at the start of each fall and spring semester and is coordinated by the Biology Instructional Office (BIO).

Program policy states that BCH graduate students may only be appointed as a TA for a total of three semesters during their graduate studies. Exceptions to this rule require advance approval by the Biochemistry Graduate Advisor.

ITA English-Language Certification for International Students

UT Austin conducts English-Language Certification for TAs whose first language is not English. The Biochemistry Graduate Program requires this certification of all international students, regardless of whether they serve as teaching assistants. All international students admitted to the Biochemistry graduate program are anticipated to unconditionally pass the Oral English Proficiency Assessment and be “certified with student contact.” Students must be certified to be employed “with student contact” before being admitted to candidacy. Under certain circumstances, international students may be exempt from the requirement to complete the ITA English-Language Certification exam.

Additional information can be found at global.utexas.edu/english-language-center/about/department-resources. ILSGP will sponsor the registration cost for ITA English-Language Certification. Please also consult the Graduate Program Staff prior to registration.

Re-Appointments

Re-appointment as a TA or GRA is contingent on professional performance and satisfactory progress toward the degree. This includes compliance with the schedule set by the graduate program and demonstrated effectiveness as a TA or GRA.

Limit to Appointment Hours for Academic Employment

Appointments for academic employment as a GRA/TA/Al or grader may not exceed a cumulative total of 20 hours per week during the first two long semesters (fall and spring) of graduate study at UT Austin, and no more than 30 hours per week during the subsequent semesters, including summer. International students may only work as many as 20 hours per week during the fall and spring semesters. Additional guidance about requirements for Graduate Research Assistants can be found at gradschool.utexas.edu/finances/student-employment/conditions.

Additional Employment and Outside Employment

BCH graduate students are not allowed to have outside employment such as part-time positions in restaurants, retail, etc. or any type of job that interferes with completion of coursework or research. On occasion, a student may have 5-10 hours of additional or outside employment that is related to their role as graduate students, such as paid grader positions, but only after the completion of the first year.

International students are not eligible for additional employment beyond their current GRA or TA appointment. Failure to comply with employment regulations may result in loss of visa status.

Before accepting any additional on-campus employment a student should first consult their supervising professor and the Graduate Program Staff. Students are required to disclose all outside activity that may result in a conflict of interest with their appointment at UT Austin. Information about this can be found on the UT Human Resources website at hr.utexas.edu/current/compliance/outside-employment.

Internships & Curricular Practical Training (CPT)

The ILS graduate programs allow graduate students in good standing with their respective programs to perform outside internships related to their major field of study with permission of their PI. Students interested in performing an internship should seek the permission of their PI prior to applying for internships. While perusing an internship offer, students are encouraged to talk to their graduate advisor and graduate program staff to ensure compliance with academic and administrative requirements respectively at least 8 weeks prior to the estimated start of the internship.

Participation in an internship creates several administrative issues that need time to be resolved on an individual basis prior to the scheduled start of the internship:

- 1) Visa: international students on an F-1 visa need to obtain temporary employment authorization called Curricular Practical Training (CPT), please visit <https://global.utexas.edu/iss/immigration/f-1/employment/cpt> for more information.
- 2) Financial Support: faculty are **not** required to provide the standard financial student support during the semester of an internship.
- 3) Enrollment & Insurance: during a long semester(Fall/Spring) students must be enrolled to qualify to purchase academic insurance. Domestic Students who do not require insurance through the university may request a [Leave of Absence](#) for the semester of their internship and forgo enrollment for that

semester. Domestic Students who have not yet entered candidacy have the option of enrolling in [EXP 000/080: Internships & Career Experiences](#), a free, zero-credit course which will allow them to maintain enrollment and purchase UT student insurance for the semester.

Per the international office rules, International students will be charged for insurance unless they complete the needed ISSS waiver showing that they have insurance for that time period from another source. ISSS waiver information can be found at <https://global.utexas.edu/iss/advising-services/insurance/waivers>.

4) Conflict of Interest: the student needs to declare any potential conflict of interest created by their participation in the internship, please visit <https://research.utexas.edu/ors/conflict-of-interest/>

University Fellowships

Each year the Graduate School accepts nominations from each graduate program for a variety of competitive University Fellowships. Many awards offer year-long stipends, and some provide generous compensation. Supervising professors will nominate students based on research accomplishments and promise of research excellence. The Graduate Advisors evaluate nominees and determines which may be sent forward to the Graduate School. Nominees for these awards are selected based on the strength of their applications and on their records of performance. Additional information about available awards can be found at <gradschool.utexas.edu/finances/fellowships>. Questions about fellowships may be directed to the Graduate Program Staff.

Competitive National Fellowships

All first-year students are encouraged to apply for federally funded competitive national fellowships, such as the NIH or NSF Pre-doctoral Fellowships or the Howard Hughes Pre-doctoral Fellowship. These fellowships are prestigious and often provide support for several years of graduate education. Students are also encouraged to explore and apply to fellowship programs for which they may be uniquely qualified. NSF Fellowship information can be found at www.nsf.gov/funding/. NIH Fellowship information may be found at www.grants.nih.gov/grants/oer.htm

Other Aid

The Office of Scholarships and Financial Aid (finaid.utexas.edu) administers several long-term loan programs, the College Work-Study Program (for which graduate students are eligible), and a short-term loan program for registration and other emergency needs. Assistance with part-time or full-time job placement is also offered for students or student spouses. [Student Accounts Receivable](#) can provide information about institutional tuition/emergency loans and tuition and fee rates as well as information regarding fee payment and deadlines, loans, tax credits, etc.

Should further funding opportunities become available during the academic year, announcements will be shared by the Graduate Program Staff.

General Information

Contact Information

Mailboxes

All student mailboxes correspond with their lab's mailbox. First-year students will need to routinely update their directory information to reflect what lab they are rotating in so that they receive mail. All MBS-affiliated lab mailboxes are located in the mailroom of NHB 2.606.

Change of Address and Phone Number

It is important that all directory information be kept up to date; and students should update their personal contact information via UT Direct. Each student must list a phone number where voice mail messages may be left. To update personal information, please visit [Texas One Stop](#).

Email Communication

The BCH Graduate Program and the University of Texas use e-mail as the primary method of communication with students, therefore it is imperative that students maintain a current email address. Graduate students are expected to regularly monitor their email accounts and **failure to check email may result in missing time-critical information**. UT Austin does not mandate students create a utexas.edu email account, however, **all students who are employed as GRAs or TAs are required to establish a UT email account**. Information about establishing a UT email address can be found at get.utmail.utexas.edu. **Please notify the Graduate Program Staff of any changes in email address.**

Required Student Training

The University of Texas requires safety training for laboratory employees, which includes all ILSGP graduate students. BCH students are required to be in compliance with these safety trainings prior to beginning their first lab rotation. The required safety courses offered by the Environmental Health and Safety Office (EHS) and are:

- OH 101 Hazard Communication (General)
- OH 102 Hazard Communication (Site-Specific)
- OH 201 Laboratory Safety
- OH 202 Hazardous Waste Management
- OH 207 Biological Safety
- FF 205 Fire Extinguisher Use (online or in-person options available)

Students may register for and complete the above courses online at ehs.utexas.edu/training/lab-training-requirements.php.

The Fire Prevention Services Office sponsors the Fire Extinguisher Use course, with more information at fireprevention.utexas.edu/fire-safety/portable-fire-extinguisher-training.

Animal Use Training and Radiological Health are available as on-campus classes.

In addition, all academic graduate student employees must complete the following University-wide trainings:

- Title IX Basics
- Sexual Misconduct Prevention
- Information Security Awareness
- Compliance & Ethics Program at UT Austin.

New students must satisfy the above requirements must be satisfied within the first 30 days of beginning their studies.

Academic Integrity

Ethical conduct is expected of every student in the CMB Graduate Program. It is important that each student conduct themselves and their studies in a manner that aligns with the university's [Honor Code](#) and its standard of [academic integrity](#). Students will be held accountable for their conduct and decision-making. **The Graduate Program has a zero-tolerance policy regarding academic dishonesty. If a student is found participating in any form of academic dishonesty, they will face immediate dismissal from the program.** Academic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, misrepresenting facts, and falsification of academic work, research, data or records.

Incomplete Grades

If a student does not complete all the assignments in a course before the end of the course, the instructor may report the symbol X (temporary incomplete) to the registrar in place of a grade. The student must then complete the course requirements by the last class day in their next long-session semester of enrollment. The instructor must report a final grade through the [Online Grade Change](#) system by the end of the grade-reporting period in that semester.

If these deadlines are not met, the symbol X is converted to the symbol I (permanent incomplete). If the student is not enrolled during a long-session semester for twenty-four months following the end of the semester in which the X is reported and the instructor does not report a final grade, then the symbol X is converted to the symbol I. The symbol I cannot be converted to a grade. When the symbol I is recorded, the symbol X also remains on the student's record.

The period for completion of course requirements may be extended only under unusual circumstances beyond the student's control and only upon the recommendation of the instructor and the approval of the Graduate Dean. The instructor of record must make requests for an extension of X to the Graduate Dean through the submission of a completed "Update to Student Academic Record" form. This request must provide reasons why the student was unable to complete the course work by the last class day in his or her next long-session semester of enrollment after receiving the X.

Note: TAs and GRAs may acquire no more than one temporary incomplete grade (X) and one permanent incomplete grade (I), or two temporary incompletes (X).

Holiday Schedules

Graduate students do not have the same break schedules as undergraduates. All Biochemistry graduate students are paid continuously through the December, spring and May breaks, and thus, have the same work schedule and holiday schedule as university staff. The holiday schedule for university staff is published at www.utexas.edu/hr/holiday. **Students should communicate with their faculty supervisor(s) about expectations for holiday schedules.** Note: The relative tranquility of campus during breaks is very conducive to research progress in the laboratory.

Second Degrees

Biochemistry students will not be allowed to work toward or obtain a second degree outside of the Biochemistry program (e.g., a Master's degree in a separate graduate program) without the written consent of their supervising professor and the Graduate Advisor.

Registration

In general, students must be enrolled for classes whenever they are receiving services from the University, such as course instruction, faculty interaction, employment, and fellowship or training grant stipends. Students are advised to read the following section carefully and consult the Graduate Program Staff if they have any questions regarding registration and course load requirements.

Additional information about registration policies is published on the Graduate School website at gradschool.utexas.edu/academics/policies. International students should also consult UT International Student and Scholar Services for more information about registration and immigration requirements: global.utexas.edu/iss.

Full-time Student Status

The Graduate School at The University of Texas at Austin recognizes 9 semester credit hours during a long-session semester (fall and spring) and 3 semester credit hours during a summer session as a minimum full-time course load. Graduate students who must register and remain registered for a full-time course load include holders of Graduate School-administered fellowships and scholarships; assistant instructors, teaching assistants, academic assistants, assistants, graduate research assistants, and tutors; students living in university housing; students receiving certain student loans; and international students.

Continuous Registration

The Graduate School requires that all graduate students at the University of Texas at Austin be continuously registered and pay tuition and fees for all long semesters (fall and spring) of each academic year until completion of the degree. Additional information about this policy is published at gradschool.utexas.edu/academics/policies/continuous-registration.

Registration for Dissertation Hours

Once admitted to candidacy, students must register for dissertation hours every long semester until graduation: BCH 399W, BCH 699W, or BCH 999W. Registration for BCH 999W fulfills the nine-credit requirement in fall/spring for Teaching Assistants, Graduate Research Assistants, or fellowship recipients.

Registration Access Periods

Graduate students may register for courses during prescribed registration access periods set by the Registrar published in the university [Course Schedule](#). Prior to registration, students should check their [Registration Information Sheet](#) (RIS) for information about specific dates and times when they access the registration system. The RIS will list any active registration bars that must be cleared prior to enrollment for a given term.

Note for GRAs, TAs, and Fellowship Recipients: Students appointed as a GRA/TA/AI, must be registered for the minimum required number of credit hours before the appointment will be processed and approved by HR. Similarly, fellowship recipients must complete registration before award funds will be distributed. **Failure to register on-time may result in delayed stipend disbursements.**

Confirmation of Attendance

Following registration and payment of all tuition and fees, students must take further action to confirm attendance. Once the tuition billing balance is paid and changed to zero, students must visit [MyTuitionBill](#) in UT Direct and select the "Confirm Attendance" option to secure registration. This step must be completed during registration for every semester. **Failure to confirm attendance will result in enrollment being cancelled by the university. This will cause the student to have to reenroll and pay the associated late fee.**

Late Registration

If a student misses the regular registration periods, they may be able to register late, but will be responsible for paying any late fees assessed by the Registrar. Late registration periods and associated fees are published in the [Course Schedule](#). **Late fees may range between \$25 and \$200. Students are responsible for paying any late fees assessed by the Registrar.** Late registration takes place during the first four class days of each long semester and during the first two class days of each summer session. Registration beyond this requires the approval of the Graduate Advisor and submission of a *Request for Late Registration* form to the Graduate School. Please consult the Graduate Program Staff for assistance with late registrations.

Adding/Dropping Courses

Students may add and drop courses during the add/drop period without penalty. **After the 12th class day, a student cannot add a class without petitioning the Graduate School.** Petitions of this nature are not often approved, so students are advised to enroll before the add/drop period ends. Students who need to drop a course after the 12th class day deadline will not be reimbursed for the cost of the course. Students who must add a course after the 12th class day to keep full-time status due to TA/GRA obligations, may have to pay for the additional course.

Registration Requirement for the Master's Students

During the last two semesters before graduation, master's students must be registered in thesis courses, BCH 698A (3 credits) and BCH 698B (3 credits). BCH 698A may only be taken once and must be taken before BCH 698B. Students must be registered for 698B during the semester in which the thesis is submitted.

Leave of Absence

Students not yet in candidacy must obtain authorization from the Graduate Advisor for a leave of absence. Those admitted to candidacy must receive approval from the Graduate Dean and the Graduate Advisor for a leave of absence. An *Authorization for Leave of Absence* form must be submitted to the Graduate School and it is the student's responsibility to obtain all necessary signatures on the form.

A student on approved leave must apply for readmission to return to the University, but readmission during the approved period is automatic and the application fee is waived. A student on leave may not use any University facilities; nor are they entitled to receive advice from any member of the faculty. A leave of absence does not alter the time limits for degrees or course work. Additional information is published on the Graduate School website at <https://gradschool.utexas.edu/academics/policies/leaves-of-absence>.

Withdrawal

Early Withdrawal from BCH Program During First Year

Early withdrawal from the program may result in a requirement to pay tuition for that semester. Students should consult with the Graduate Advisor and notify the Graduate Program Staff if they are considering leaving the program during first academic year.

Withdrawal from BCH Program and University

Students who drop their entire course load by definition withdraw from The University of Texas at Austin for the semester. To withdraw from the Graduate School, a student must file a *Withdrawal and Refund Request* form with the Dean of the Graduate School, which may be obtained from the Graduate

School in Main 101 or from GradStudentSvcs@austin.utexas.edu. The form must be signed by the Graduate Advisor, and the student is responsible for obtaining all necessary signatures. If withdrawing from the university, the student must also notify the Graduate Program Staff of their decision.

Withdrawal from the university before the last class day of a semester will result in a requirement to personally pay the tuition for that semester. Withdrawals during a semester cancel most UT payments of tuition and tuition waivers. These cancelations result in a large balance due which UT Austin will bill to the student. This information does not apply to medical withdrawals. Additional information about withdrawal, including for medical reasons, is published at gradschool.utexas.edu/academics/policies/withdrawals.

Out-of-State/ Non-Resident Tuition Waivers

Employment as a TA or GRA qualifies non-Texas residents and international students for resident (in-state) tuition rates. To ensure the non-resident portion of the tuition bill is removed and they are charged in-state tuition rates, each non-resident student appointed as a GRA or TA must request an employment waiver. The employment waiver is available online via UT Direct and must be completed every semester during registration and before the tuition bill is paid. Students may access the waiver form at utdirect.utexas.edu/acct/fb/waivers/rte_request.WBX.

Note for Fellowship Recipients

Recipients of University Continuing Graduate Fellowships, PGEF award (or Provost's Graduate Excellence Fellowships) should **not** complete the employment waiver. Recipients of *external* fellowships should notify the Graduate Program Staff of their funding and provide a copy of the award letter, as this information is required to request a tuition waiver from the Graduate School and College of Natural Sciences. The Graduate Program Staff will request a waiver for fellows during these terms.

International Student Health Insurance Waiver

The University of Texas Board of Regents requires all international students in a F-1, F-2, J-1, or J-2 visa status to have health insurance coverage which complies with the provisions of the Patient Protection and Affordable Care Act (PPACA). For this reason, enrollment in the [UT Student Health Insurance Plan](#) (AcademicBlue) is automatic at the time of registration, and the cost of the policy is included in the student's tuition and fee bill. In certain cases, students holding comparable coverage may be eligible to waive enrollment in the UT Student Health Insurance Plan. Additional information is available at global.utexas.edu/iss/advising-services/insurance/waivers.

Student Records

The Graduate Program Staff maintains the official program records of all Biochemistry graduate students. It is the student's responsibility to submit all required documentation or forms necessary to maintain their file. Records are subject to the **Family Educational Rights and Privacy Act of 1974 (FERPA)**. Members of the Biochemistry GSC, any faculty member appointed to the dissertation committee, and the Graduate Program Staff will have access to student file. Other university personnel may be authorized by the Graduate Advisor to access student records if their assistance is required to carry out necessary administrative responsibilities related to graduate studies.

More information about FERPA and student privacy may be found at registrar.utexas.edu/staff/ferpa.

Each student file may contain:

- Admission Documents
- Curriculum Vitae
- Laboratory Rotation Agreement forms
- Permanent Laboratory Agreement form
- Qualifying Exam Results form
- Annual Meeting of Dissertation Committee forms
- Fellowship Offer letters
- Other items that provide a record of the student's activities and progress.

Disability Services and Accommodations

The University of Texas at Austin is committed to providing every necessary resource to students with disabilities. Students with a disability and who have special academic circumstances – whether permanent or temporary – may visit the Services for Students with Disabilities (SSD) web site at diversity.utexas.edu/disability.

The Biochemistry Graduate Program is committed to accommodating students with documented disabilities. However, it is the student's responsibility to make arrangements for any accommodations with a course instructor. The student must secure a letter from SSD, present it to the instructor, and formulate an appropriate accommodation plan with the instructor. Please see the SSD guidelines for additional details.

Parental Accommodation Policy

The College of Natural Sciences (CNS) recognizes that some graduate students start or expand families during their time in our graduate programs. CNS offers four types of accommodations for graduate students with growing families: Academic Accommodations, Teaching Assistant Accommodations, Graduate Research Assistant Accommodations, and Parental Leave. These accommodations are available to full-time students (enrolled for at least nine credit hours each long semester and three hours in summer). If a student is anticipating the birth or adoption of a child, it is their responsibility to inform the Graduate Advisor and/or GSC Chair, and their research supervisor of any anticipated accommodation needs as early as possible. The full policy and faculty contacts in each department can be found at cns.utexas.edu/graduate-education/college-policies/parental-accommodations.

Where to Go When Problems Arise

Graduate students are encouraged to discuss concerns with the Graduate Advisor, Graduate Program Staff, supervising professor (PI), or Graduate Studies Committee Chair. The University also provides several support services for graduate students:

The **Office of the Student Ombudsman** provides a neutral, impartial, and confidential environment for students to express concerns related to life at the University of Texas at Austin. The office can assist graduate students with university-related difficulties, and help identify pathways and options for conflict resolution. More information is available at utexas.edu/student/ombuds.

The **UT Counseling and Mental Health Center (CMHC)** provides a variety of services for graduate students, including individual counseling, psychiatric care, self-care, crisis intervention, and a variety of support groups and workshops. The Counseling and Mental Health Center is a confidential resource for all UT students. More information is available at cmhc.utexas.edu. A confidential 24/7 Crisis Line may

be reached at 512-471-CALL (2255). Additional campus resources for a variety of concerns are published in a [Graduate Student Mental Health Resources Guide](#).

The **Behavior Concerns and COVID Advice Line (BCCAL)** is a service that provides faculty, students and staff an opportunity to discuss their concerns about another individual's behavior. Trained BCCAL staff will provide appropriate guidance and resource referrals to address the particular situation. Referrals to BCCAL are confidential. This service is a partnership among the Office of the Dean of Students, the Counseling and Mental Health Center (CMHC), the Employee Assistance Program (EAP) and The University of Texas Police Department (UTPD). An individual can either call the line at 512-232-5050 or report their concerns using the online submission form at besafe.utexas.edu/behavior-concerns-advice-line.

Texas Global and International Student & Scholar Services (ISSS) provide advice, programs, information, and services to the international community, including incoming graduate students. Questions and concerns about immigration policy, visa requirements, employment restrictions, etc. should be addressed to the Texas Global and ISSS staff. Students may visit global.utexas.edu/issv for more information.

Student Emergency Services (SES) in the Office of the Dean of Students serves as a primary point of contact for students and their families and assists with navigating campus and community resources. SES can help students by offering: information regarding course load reductions or full withdrawals, emergency funds, short-term emergency housing, referrals to appropriate campus offices, discrete notifications to professors regarding absences, and coordination with families. More information can be found at deanofstudents.utexas.edu/emergency.

Grievance Policy

Procedures for handling graduate student grievances are outlined on the [Graduate School's grievances webpage](#). The policies described there are based upon the following principles:

Graduate students have the right to seek redress of any grievance related to academic or nonacademic matters. Every effort should be made to resolve grievances informally between the student and the faculty member involved or with the assistance of the graduate adviser, Graduate Studies Committee chair, or department chair.

The Biochemistry graduate program leadership understands that grievances with faculty, staff, or peers are often difficult, and strives to ensure that students are comfortable reaching out for help. The following hierarchy is recommended when seeking assistance:

1. Graduate Advisor
2. Graduate Program Manager or Coordinator
3. ILSGP Executive Committee
4. Associate Chair for Graduate Education
5. Molecular Biosciences Department Chair

The comfort-level of the student and/or severity or urgency of the situation may merit escalation of the grievance up the hierarchy.

In situations where the grievance cannot be resolved informally at the program/department level, students have recourse through formal procedures that vary, depending on the type of grievance. Four main categories of grievances are:

- Academic Grievances (examples include: adherence to degree requirements, changes in supervising committee membership, situations involving program termination)

- Non-academic grievances (primarily issues involving either discrimination or misconduct)
- Employment Grievances for Teaching Assistants and Assistant Instructors (issues related to the academic freedom of individual TAs, non-renewal of a TA or AI position, withholding of salary or promotion)
- Employment disputes involving Graduate Research Assistants

Campus Safety

The **Office of Campus Safety & Security** oversees the offices of Emergency Preparedness, Environmental Health and Safety, Fire Prevention Services, Parking and Transportation, and the University of Texas at Austin Police Department. Students should explore their website to learn more about safety and security on campus: <https://www.utexas.edu/campus-life/safety-and-security>.

SURE Walk

SURE Walk is dedicated to reducing all forms of interpersonal violence for the campus community. The program is organized by the UT Student Government and provides safe walks and rides home, to decrease the risk of any form of assault occurring. Additionally, they also aim to educate the community on assault, consent, healthy relationships, and resources for survivors of assault. More information can be found at utsg.org/sure-walk-1.

UT Austin Night Rides

UT Night Rides provides a Lyft ride from the main campus to students' homes. Rides are available every day from 11:00pm – 4:00am. Locations for this service mirror current UT Shuttles routes for West Campus, Far West, Lake Austin, North Riverside, Lake Shore, Crossing Place, and Intramural Fields as well as mainline Route 10, serving the Red River area. All UT Night Rides must originate from main campus only. Visit parking.utexas.edu/night for more information.

Emergencies

For emergencies, the University also has a dedicated phone number, 512-232-9999, and website: emergency.utexas.edu. Students may also sign up for text message alerts for emergencies. **If a student has an emergency** anywhere on campus, **they may** call 911. The call will be routed to the correct dispatch office according to location.

The Counseling and Mental Health Center – Crisis Services

During regular business hours (M-F, 8-5), students seeking CMHC services or who are experiencing a mental or behavioral health crisis should call (512) 471-3515 and choose option 3.

For crises after hours or on weekends please call the **CMHC Crisis Line at (512) 471-2255**, which is available 24/7.

Facility Services

All facility related emergencies should be reported to the [Facilities Service Center](http://facilitieservicecenter.utexas.edu) at 512-471-2020. This includes reports about building outages or access issues, water line issues. General inquiries about maintenance, landscape issues, or requests for service may be directed to facilities@austin.utexas.edu.

Other Contacts & Campus Support Resources

The Office of the Dean of Students

The Office of the Dean of Students (deanofstudents.utexas.edu) provides a variety of student support services along with opportunities for leadership experience, diverse student work environments, engaging programming and specialized resources.

College of Natural Sciences (CNS) Office of Graduate Education

The CNS Office of Graduate Education provides a variety of services to current students, including professional development and career support, orientation and trainings, and opportunities to participate in STEM outreach programs at local middle school and high schools. Visit cns.utexas.edu/graduate-education for more information.

Faculty Innovation Center Graduate Student Development Program (GSD)

The GSD Program is an initiative of the Office of the Provost, the Graduate School, and the Faculty Innovation Center (FIC). GSD provides opportunities to advance graduate students' pedagogical, academic, and professional progress, including support for drafting a teaching statement and creating a teaching portfolio. More information is available at facultyinnovate.utexas.edu/gsd.

Center for Biomedical Research Support (CBRS)

The Center for Biomedical Research Support (CBRS) provides access to cutting-edge technology and expert advice to enhance research. CBRS oversees several core research facilities critical for research activities on campus. Graduate students are also eligible to take the short courses and workshops offered by CBRS throughout the year. More information is available at research.utexas.edu/cbrs.

Resources that Support a Safe and Inclusive Campus

The Biochemistry Graduate Program, the University of Texas, and the College of Natural Sciences want all graduate students to benefit from supportive, inclusive, and safe classroom and research experiences. The following resources are available to support this goal:

- [CNS Diversity and Inclusion Resources and Initiatives](#)
- [Campus Climate Response Team \(CCRT\) \(report a bias incident\)](#)
- [Division of Diversity and Community Engagement \(DDCE\)](#)
- [Title IX Office](#)
- [Gender and Sexuality Center](#)

The **Molecular Biosciences Department Diversity and Inclusion Committee** focuses on issues concerning climate, conduct, and diversity within the graduate programs and wider research community. Comprised of faculty, staff, graduate students, and post-docs, the committee aims to promote diversity at all levels within the department. The committee works to provide resources, organize trainings, and to develop initiatives that support a positive and safe environment for all community members. The committee can be reached at mbs_di_committee@utlists.utexas.edu.

Students Against Racism and Discrimination in Natural and Engineering Sciences (SARDINES)

is a grassroots organization of graduate students working to identify and rectify causes of inequity within the Molecular Biosciences (MBS) department and graduate program. We are committed to

advocating for students who face unique and systemic challenges due to a fundamental aspect of their identity. These groups include, though are not limited to, students who identify as members of underrepresented groups (Black, Indigenous, Latinx, Southeast Asian, and Pacific Islander), members of the LGBTQIA+ community, women, students with disabilities, international students, and members of religious minority groups. We work closely with the MBS Graduate Student Association (GSA) and the MBS Diversity and Inclusion committee to accomplish actionable goals that promote an equitable and inclusive environment where all scientists can flourish. Our current goals include increasing representation of diverse speakers in our departmental seminar series, generating a Student Rights document, producing educational resources on antiracism and distributing these to our scientific community, and coordinating outreach to the greater Austin community. Please contact utsardines@utexas.edu for more information and to get involved.

Title IX

The **Title IX Office** is committed to creating and fostering a campus environment free from all forms of sex discrimination. [Title IX](#) is a federal law that prohibits discrimination on the basis of sex in any federally funded education program or activity. Title IX protects all members of our campus community who experience sex discrimination, sexual harassment, sexual assault, interpersonal violence (including dating and domestic violence), stalking, or discrimination on the basis of pregnancy.

Dean Knopf is the Title IX liaison for graduate students and postdoctoral fellows in the college, and can be contacted directly with questions or concerns: danknopf@austin.utexas.edu.

Graduate students appointed in academic positions as Teaching Assistants, Assistant Instructors, or Graduate Research Assistants are deemed "responsible employees" under UT policies. **Every responsible employee is required to promptly report Title-IX incidents that they experience or hear about if these incidents involve UT-Austin students, faculty, or staff.** As responsible employees, graduate students may not offer or maintain confidentiality after learning of such incidents. Responsible employees have the duty to report these privately to the Title IX Coordinator or a Deputy Title IX Coordinator, using the contact information found at <https://titleix.utexas.edu/file-a-report>. Graduate students should familiarize themselves with the [Policy on Sex Discrimination, Sexual Harassment, Sexual Assault, Sexual Misconduct, Interpersonal Violence and Stalking](#).

ILSGP Graduate Student Assembly

The ILS Graduate Student Assembly (GSA) is composed of a group of ILS graduate students who organize events for the ILS community and facilitate communication between graduate students and faculty. GSA oversees student-led events such as Pints with Professors, Chips and Dip, a Fall Tailgate, and a Spring Picnic. Most importantly, the GSA serves as the voice of graduate students within the ILSGP and university at large. GSA is actively involved in the recognition of developing issues pertaining to students and informing the ILS Executive Committee of ideas or concerns emanating from the ILS student body. GSA meetings happen each semester and all ILS graduate students are welcome to attend. Elections for GSA positions happen at the beginning of each Summer semester. To contact the ILSGP GSA Representatives, email ils.gsa@utexas.edu.

Additional Resources

Links to additional resources and programs available to students can be found on the ILSGP website at ils.utexas.edu/graduate-programs-home/resources.

APPENDIX

Graduate Student Quick Reference Chart

<u>Issue/Concerns Related to:</u>	<u>Who to Contact:</u>	<u>Where to Find Information:</u>
ACADEMIC		
Registration: Bars Access Periods Confirmation of Attendance	Graduate Program Staff	Registration Information Sheet Course Schedule MyTuitionBill
Post-Registration: Non-Resident Tuition Waivers (for non-resident GR/TA) Health Insurance Waiver (for international students)	Graduate Program Staff International Student Insurance Office	UT Direct Texas Global
Course Selection	BCH Graduate Advisor	Graduate Program Handbooks
Lab Rotations/ Finding Permanent Lab	BCH Graduate Advisor	Graduate Program Handbooks
Forming a Dissertation Committee	BCH Graduate Advisor	Graduate Program Handbooks
Issues with PI/Supervisor or Dissertation Committee	BCH Graduate Advisor (or other contact recommended by Grievance Policy)	Grievance Policy Conflict Management Resources
Degree Progress	BCH Graduate Advisor	
Graduation / Defense Proceedings & Deadlines	Graduate Program Staff Graduate School Student Services	Graduate School
FUNDING		
Tuition Payments/Bills	Graduate Program Staff Tuition Billing	MyTuitionBill What I Owe
Payroll/Payment	MBS Human Resources (HR) Graduate Program Staff	Where's My Check Payroll Services Human Resource Service Center
Health Insurance: General questions	MBS Human Resources (HR) Graduate Program Staff	AHP Website (AcademicBlue) Human Resource Service Center
Health Insurance: Benefits & Enrollment	Human Resource Service Center (HRSC)	HRSC Website

	AHP Customer Service: 1-855-247-7587	AcademicBlue (AHP)
University Fellowships: Applying for awards	Graduate Fellowship Administrator, Elizabeth Korves Graduate Program Staff	Graduate School BCH Program Website
University Fellowships: Receiving Funds	Graduate Fellowship Administrator, Elizabeth Korves Graduate Program Staff	Graduate School: Information for Current Fellows Instructions for Non-Payroll Direct Deposit
Academic Employment (GRA/TA)	MBS Human Resources (HR) Graduate Program Staff	Graduate Program Handbook Graduate School
Teaching Assistant Positions	Graduate Program Staff	Graduate Program Handbook Handbook of Operation Procedures
STUDENT LIFE		
Buildings: Access/Entry Facility Issues (safety, repairs) Room Reservations	Lab Manager(s) Building Manager + Lab Manager https://reservations.utexas.edu/emswebapp/	Facilities Services Environmental Health & Safety
Interpersonal Violence (physical or sexual assault, stalking, abuse)	<i>Emergencies: Call 911</i> Title IX Office: File a Report UT Victims' Advocates: 512-232-9699 UT Police Dept: 512-471-4441	UT Counseling & Mental Health Center Student Emergency Services Title IX Office
Campus Safety	<i>Emergencies: Call 911</i> UT Police Dept: 512-471-4441 Sure Walk: 512-232-9255 UT Night Rides LiveSafe at UT Austin	Campus Safety Office
Mental Health Support	UT Counseling & Mental Health Center (CMHC) UT CMHC Crisis Line: 512-471-CALL (2255)	UT Counseling & Mental Health Center
Mental Health/ Behavioral Health Concerns	Behavioral Concern Advice Line (BCAL)	Campus Safety Office UT Counseling & Mental Health Center
Personal Emergencies:	Student Emergency Services	Dean of Students Office

Forms

Graduate Program Forms: (CMB, MIC, BCH Students Only)

The following forms are enabled for e-signatures via DocuSign PowerForms. Please contact the Graduate Program Staff with any questions about submitting documents.

- [Lab Rotation Agreement](#)
- [Permanent Lab Agreement](#)
- [Dissertation Committee Membership](#)
- [Annual Committee Meeting Form](#)
- [Request for Final Oral Examination](#)
- [Report of Dissertation Committee](#)

Graduate School Forms:

- [Candidacy Application](#)
- [Request to Change Doctoral Committee](#)
- [Doctoral Graduation Application](#)
- [Master's Graduation Application](#)
- [Authorization for Leave of Absence](#)
- [Petition for Leave of Absence](#)
- [Request for Late Registration of Graduate Students](#)

Additional forms are available on the Graduate School website at gradschool.utexas.edu/academics/forms.

Mentorship and Outreach Opportunities for STEM Graduate Students

In-Person Opportunities:

[Summer Undergraduate Program for Experimental Research \(SUPER\)](#)

SUPER is a NSF-funded REU that provides summer research opportunities at the University of Texas at Austin. The 10-week program is available to rising college Sophomores, Juniors, and Seniors who are considering a career in life-science research. The program is organized by the ILSGP and current graduate students are welcomed to serve as lab mentors for SUPER participants. Interested graduate students may contact the Graduate Program staff for information about participating.

[Texas STEM Connections:](#)

Portal to connect with K-20 educators, classrooms, out of school time programs, and other volunteer opportunities in STEM.

[Science Buddies Program:](#)

Most volunteer opportunities only take a few hours of commitment. Volunteers can work remotely in the Ask an Expert Program, where graduate students and post docs can answer questions from kids and parents on the forum.

[Present your PhD Thesis to a 12 Year-Old](#)

The UT Graduate Science Outreach group facilitates this program that places PhD students and scientists in elementary and secondary classrooms to share their discoveries and provide real-world examples to complement classroom science topics.

[Undergraduate Mentoring:](#)

Graduate students can serve as mentors for undergraduates interested in attending graduate school through the College of Natural Sciences mentor programs.

Remote Opportunities:

[National Summer Undergraduate Research Project:](#)

A community-driven initiative to create rewarding remote summer research opportunities for BIPOC undergraduate students in the microbial sciences.

[Skype a Scientist:](#)

Program that matches scientists with K-12 classrooms. Once matched, volunteers will video chat with the classroom for a 30 to 60-minute session. The format is Q&A style so that the kids feel they've had direct contact with scientists. The program aims to put a friendly face to science and make science less intimidating and more accessible. Volunteers do not need to prepare a lecture, and are encouraged to just have a conversation!

[Science in the Classroom:](#)

Science in the Classroom is looking for graduate students, postdocs, and anyone with an advanced graduate degree to help us annotate scientific research papers. We are also looking for expert high school and undergraduate teachers to help us package and present this content in the best way possible.

Conflict Management

Interpersonal conflicts in the workplace, lab, or classroom are often challenging. Learning to constructively address disagreement is essential to maintaining a positive and professional environment. The following is a list of resources available through UT Austin related to conflict management. Many of these are designed to empower you to resolve conflicts rather than provide a solution for you.

Confidential Resources

- [Office of the University Ombuds](#)
- [Employee Assistance Program](#)
- [Counseling & Mental Health Center](#)

Resources for Mediation and Facilitation

- [Office of the University Ombuds](#)
- [Conflict Management & Dispute Resolution Office](#)
- [University of Texas Project on Conflict Resolution](#)
- [Strategic Workforce Solutions](#)

Resources for Training on Effective Communication

- [Student Employee Excellence Development Program](#)
- [Leadership and Ethics Institute](#)
- [University of Texas Project on Conflict Resolution](#)
- [Preparing for Difficult Conversations](#) (Employee Assistance Program)
- [Dealing with Difficult People](#) (Human Resources)
- [How to Prepare for a Difficult Conversation](#) (Human Resources)

Resources for Legal Issues and Grievance Procedures at UT

- [Legal Services for Students](#)
- [Graduate School Grievance Resources](#)