

Genetics
Graduate Interdisciplinary Program (GIDP)
Student Handbook
2020

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1. General

Welcome to the Graduate Interdisciplinary Program (GIDP) in Genetics at the University of Arizona. This handbook explains the organization of the program and provides a guide towards obtaining a Ph.D. degree in Genetics. The handbook outlines the rules and regulations of the graduate program.

Most of the basic rules are policies of the Graduate College of the University of Arizona and must be followed by all programs offering graduate degrees. Information about these policies can be found at <https://grad.arizona.edu/gsas/degree-requirements/doctor-philosophy> and policies may be found at <http://catalog.arizona.edu/>. More specialized requirements were established by the Genetics Program to ensure the quality of your training. As questions arise, good sources of information are the Graduate Program Coordinator and the leadership of the Genetics Program.

The most important component of your Ph.D. training is the creation of new knowledge through scientific investigation. Courses will provide a valuable opportunity to discuss the fundamentals of genetics with established investigators and to learn how to approach and evaluate the scientific literature. A critical goal of the faculty will be to teach you how to take responsibility for your own education. As a graduate student, you must determine what you need to know, figure out how to learn it, and analyze the information rigorously - be it in the classroom, library, or laboratory.

2. Overview of Ph.D. Program in Genetics

The purpose of the University of Arizona's GIDP in Genetics is to train the next generation of geneticists. Our discipline integrates basic and applied life sciences, computational sciences, and physical sciences. Our faculty are homed in a wide variety of departments and centers, including Agricultural and Biosystems Engineering, Animal and Comparative Biomedical Sciences, Basic Medical Sciences (Phoenix), Cancer

Biology, Cellular and Molecular Medicine, Chemistry and Biochemistry, Ecology and Evolutionary Biology, Entomology, Epidemiology and Biostatistics, Immunobiology, Mathematics, Medicine, Molecular and Cellular Biology, Natural Sciences and the Environment, Plant Sciences, Pediatrics, Pharmacy Practice, Pharmacology and Toxicology. In addition to training the traditional biology student, the Genetics program seeks to attract students from outside the life sciences and to train these students in genetics.

In keeping with the diverse nature of current approaches included within the realm of genetics, the GIDP in genetics at the University of Arizona transcends traditional departmental boundaries. We seek to prepare students for research, teaching, and other related careers in academia and research institutes, industry, and government, as well as in law, technology development, medicine, and public policy. The GIDP is designed to provide students with broad training in diverse areas of genetics and in-depth training in their chosen area of specialization. Students participate in designing an education program that is tailored to the needs of their dissertation research and to their long-term interests. As outlined below, there are two required courses—one in fundamental genetic mechanisms and one in ethics. Students are also required to participate in the graduate seminar for eight semesters. In consultation with the program and with her major advisor, the student chooses further course work in the development of a Doctoral Plan of Study (PoS), generally to be completed in the first two years of the graduate career.

Students can enter the Genetics Program through direct admission by the Program, through the Arizona Biological and Biomedical Sciences (ABBS) Program, or through transfer to or direct recruitment by a specific faculty member. Students who are admitted to Genetics directly are asked to complete three research rotations as part of the first year of study.

In summary, students in the Genetics Program complete a series of courses, seminars and journal clubs, and research rotations, to ultimately pursue their Ph.D. dissertation research in the laboratory of one of over 70 faculty members. The faculty of the

Genetics Program serve as instructors, mentors, and advisors to its students. For a list of faculty, please see <https://genetics.arizona.edu/faculty-members>.

3. Administration of the Program

The Genetics Program is governed and administered by an Executive Committee. The Executive Committee consists of nine faculty members and a student representative. The faculty are chosen from across the Departments and represent the diverse constituency of the Program. The purpose of the Executive Committee is to run the graduate program and to foster common interests, activities, and communication among researchers interested in genetics at the University of Arizona.

The Executive Committee develops the Genetics curriculum; recruits students; oversees student progress; manages faculty membership; organizes seminars, retreats, and social events; manages the budget and seeks to secure funding outside the University; prepares periodic reports to the Chair of the GIDPs and Dean of the Graduate College, as well as to the Arizona Board of Regents. Among the nine faculty members, the Executive Committee includes a Chair and a Vice Chair. The Chair of the Committee is responsible for recruitment of new students and the overall well-functioning of the Program (see the ByLaws for more information in Appendix I) and the Vice Chair is responsible for student progress.

The Executive Committee includes one student representative who is appointed for a one-year term. The student representative must be a major in Genetics and is elected to the Executive Committee by a simple majority vote of the Genetics students. The student representative is asked to leave Executive Committee meetings when individual students are discussed.

The Executive Committee is assisted by the Graduate Program Coordinator. The Graduate Program Coordinator works closely with the students, faculty, and the Executive Committee to ensure timely fulfillment of the policies of the University of Arizona and the Program. She is there to assist faculty and students as needs arise.

4. Graduate College Support Services

In addition to support from our Graduate Program Coordinator, the Graduate College is dedicated to promoting and strengthening family relationships. Many resources have been designed to help graduate students balance and manage family, work, and school. Please see the following link for an overview:

<https://grad.arizona.edu/new-and-current-students>.

In addition, each of the following bullets are clickable and take you to a page about the services available through the Graduate College.

- **Graduate Assistant/Associate Parental Leave**
- **Temporary Alternative Duty Assignments (TADA) for Teaching Assistants/Associates**
- **Extension of Time to Degree Policy**
- **Life & Work Connections** - Child and Elder Care Resources

Lastly, students should know about the Graduate College's resource center. The resources areas include General Resources, Professional Development, Job Search and Preparation, Writing and Publishing, Research Resources, Teaching Resources, Mentoring, Community Engagement, Funding Sources and Preparation, and Financial Tools. For more information, please go to the link

<https://gradcenter.arizona.edu/resources>.

5. Coursework and Program Requirements

The majority of students who enroll in the Genetics GIDP work towards a doctoral degree with a major in Genetics and a minor either in another graduate program, depending upon the area of research focus, or in Genetics. According to the rules of the University of Arizona Graduate College, all students must complete both a major and a minor. Work leading to the Ph.D. in Genetics requires approximately 4.5 to 5 years. Students must complete a total of 63 semester units of coursework in the major and minor subject areas in order to complete the degree:

Major. 36 units of coursework, combining units from the core curriculum and units from the student's specific area of interest as detailed in the PoS. Other units come from independent study and research credits.

Minor. No less than 9 units of coursework as required by the graduate program in which the student is minoring.

Dissertation units. At least 18 units of GENE 920 dissertation credit are taken after successful completion of the comprehensive examinations.

The Genetics Program has one required genetics course CMM 518 Fundamental Genetic Mechanisms. This three-credit course help in the fall semester covers a broad range of topics in science of heredity and genetics of DNA and chromosome transactions. Students learn to analyze and evaluate the primary literature, to solve complex problems in genetics, and to present oral communications of and to prepare written reports of old and new concepts in genetics.

Genetics Program students must select additional courses to complete their PoS. Courses are generally at the will of the student and the student's advisory committee. However, to assure sufficient breadth for the students of the Genetics Program, students must choose one course from each of two of three lists, determined by the Genetics Curriculum Committee and maintained on the Genetics GIDP web page. The three lists are broadly divided into three categories: Organismal Genetics; Biochemistry; Genomics, Informatics, and Population Genetics. For example, a student must pass CMM518, and one course from Organismal Genetics, and one from Biochemistry, or he

or she may pass CMM518 and one from Organismal Genetics and one from Genomics, Informatics, and Population Genetics.

The inclusion of a new course offered by the University on one of the lists can be done by your advisor by contacting the Genetics Curriculum Committee, the Chair, or the Vice-Chair of the GIDP.

Students are required to take an ethics course in their first year. To satisfy this requirement, students may take MCB 695E Science Society and Ethics; SPH 649 Survival Skills and Ethics; or PHCL595B Scientific Writing Skills and Ethics.

Although there is no specific requirement in the Genetics program for students to perform teaching assistantships; students are required to master the art of science communication. As part of satisfaction of this requirement, students must attend and participate in the graduate seminar course GENE 670 Advances in Genetics for a minimum of eight semesters. In this course, students learn to present their own work and the work of others to a broad audience of faculty and students on a regular basis. Students are also required to present in annual retreats of the Program.

The Genetics Program will assist students in obtaining teaching assistantships to meet their teaching or funding needs and the Program will help students develop additional teaching opportunities. Please consult the Chair of the Program and Program Coordinator for more information.

The Graduate College expects students to maintain an overall grade-point average of at least 3.0 (B). One semester < 3.0 and the student is on probation. Two semesters < 3.0 and the Graduate College will remove the student from the program. The Genetics Program has a more stringent requirement that students must not have more than two (2) grades of C in their coursework. Failure to achieve such a record can result in dismissal from the Program. In this case, the Program asks the Graduate College to remove the student. Students who are removed from the Program or College may apply for non-degree status if they want. Students in non-degree status may be ineligible for continuing financial support, depending on the source of the funding.

Students who have transferred from another graduate-degree awarding program at a different institution may petition to have coursework credits transferred and applied to their degree in Genetics. See <https://grad.arizona.edu/gsas/degree-requirements/doctor-philosophy> for policies and procedures established by the Graduate College.

Other Elements of the Genetics Curriculum

GENE 795A (Laboratory Research Rotations): In the first two semester of the first year, Genetics students take three 8-week lab rotations of 2 units each (6 credit units total). Students are expected to present an oral report of one of their research rotations during either their first or second semester of GENE 670 Recent Advances in Genetics.

GENE 900 (Research): Prior to the taking the comprehensive exam, students take two to nine research credits each semester.

Elective courses. Students chose for a wide range of genetics and other courses to fulfill their curricular needs. Program maintains a rostrum of potential elective courses in genetics, genomics and bioinformatics, and biochemistry on the Genetics website.

6. The Elements of the Dissertation

Major Advisor

The Major Advisor is the single most important contact in the student's thesis work. The selection of the Major Advisor involves matching of student and advisor interests, the availability of funding for the research, and the potential for a certain chemistry of interaction. The Major Advisor's responsibilities include:

- advise and supervise dissertation research;
- advise on Plan of Study;
- advise on the selection of a Student Advisory Committee, which will also act as the student's Comprehensive Examination Committee and Dissertation Examination Committee;

- assist the student on advancement through and overall development of the student's graduate career.

Students should consult with their major advisor and Program leadership for help in their selection of elective courses.

Plan of Study

All students are required to submit a PoS by the end of their first academic year (e.g., June of their first year). The PoS will be developed by the student and her major advisor in consultation with program leadership and ultimately in consultation with the Student Advisory Committee. The PoS will list (1) specific courses that satisfy the unit requirements of the graduate school, and (2) a specific timeline for the completion of the listed coursework. Because the background education of each incoming student and the needs of their specific Ph.D. research varies, the Program allows maximum flexibility in constructing the specific curricula that will supplement each students' knowledge and complement their area of research. At least once per year, the student's major advisor and thesis committee evaluates progress toward completion of the PoS. The thesis committee members and the chair of the program must approve changes to the PoS.

Student Advisory Committee

Students should work with their Major Advisor to form their Student Advisory Committee. This Committee should provide expertise and scientific judgment needed to assist the student in their dissertation research. The Committee should consist of at least 4 members, including at least 3 members of the GIDP Faculty (one of whom can be the Major Advisor) and one faculty member from the student's minor field. Note that since Genetics faculty may also be associated with the minor program, more than 3 members of the committee may belong to the GIDP. The Student Advisory Committee acts as the examining body for the Comprehensive Examination and the final dissertation examination. Although the Student Advisory Committee is generally a stable entity throughout the student's thesis work, faculty members may be added or removed to serve the needs of the student's thesis work.

The Major Advisor serves as chairperson of the Student Advisory Committee and presides over examinations and deliberations of the committee. During the Comprehensive and Dissertation Examinations, the Major Advisor acts as a referee and is not permitted to answer for the student. The Chair is responsible for submitting reports of committee meetings to the Program's coordinator and leadership.

First Meeting of the Student Advisory Committee

After the student has formulated their Student Advisory Committee, toward the end of the fourth semester, the student should schedule their first committee meeting. For this meeting, the student should prepare a one-page Specific Aims document that is a pre-proposal for the Comprehensive Examination (see below). The questions raised in the pre-proposal must allow the student to develop and address a working hypothesis regarding an unresolved issue in genetics. The pre-proposal should reflect an informed analysis of the problem and the relevant literature, and should be supported by key citations.

The standard protocol for running the Student Advisory Committee meeting in the first and all subsequent meetings is as follows. The student and committee meet at the appointed location at the scheduled time and the Chair calls the meeting to order. First, the student leaves the room, and the Major Advisor updates the committee on the progress of the student, discussing the major strengths of the student and areas to be improved. The student is then called back to the meeting and the Major Advisor leaves the room. The student then updates the committee on how things are going with the Major Advisor, discussing any points of conflict or deficiencies that should be addressed. When the Major Advisor returns to the room, the committee can then discuss any issues that need to be resolved with both the student and the Major Advisor, if there are any issues.

After these discussions are completed, the student makes a brief presentation of the thesis pre-proposal, in the general format of title, background and significance, hypothesis, preliminary data, results, discussion/interpretation, and future studies. These future studies provide the jumping off point for discussion by the group of the

specific aims of the student's thesis work. This discussion provides the student feedback on the development of their comprehensive exam proposal.

At the first committee meeting, the committee must evaluate whether the topic and the outlined questions of the proposal are appropriate for the development of a hypothesis-driven research proposal. The committee chair is charged with ensuring that such an evaluation is properly carried out during the first committee meeting. The Student Advisory Committee then determine whether the student is ready to advance to the Comprehensive Examination and the student should plan on scheduling the written and oral parts of the exam at this time. The written part of the exam should be submitted within two to three months after the first committee meeting and the oral exam would follow two to three weeks after submission of the proposal.

It is recognized that sometimes it may be unavoidable that parts of a specific aim of a student's proposal are similar to that of an active or submitted grant application by the advisor. The committee is asked to discuss to what degree such a "thematic" overlap is tolerable. If in question, the advisor may provide copies of the respective grant application to the committee.

Comprehensive Examination and Advancement to Candidacy

To advance to candidacy the student must satisfactory complete the required coursework for the degree and pass the Comprehensive Examination – a two-part exam consisting of written and oral portions. Students take this examination at the end of their second year or at the beginning of the third year. The examination should not take place until the student has completed all, or almost all, of their coursework (see the link <https://grad.arizona.edu/gsas/degree-requirements/doctor-philosophy#comprehensive-exam>). However, the student can have research units, an elective, and graduate seminar left credits to complete.

The Comprehensive Exam consists of written and oral parts that are both designed to meet two main objectives: To evaluate the proficiency of the student's general Genetics knowledge. To evaluate the ability of the student to independently evaluate and critique

a body of specific literature, to integrate the acquired information into broad conceptual schemes, to develop testable hypotheses, to devise experimental approaches and thereby evaluate hypotheses, and to demonstrate the communication skills required to present and defend scientific ideas in oral and written formats.

The Program expects that the Comprehensive Examination will be completed no later than March 15th of the third academic year (see timeline below). The student may be dismissed from the program if this requirement is not met and the Executive Committee determines whether dismissal is warranted. The student will be officially notified of dismissal via mail and e-mail, copied to the Graduate College.

It is the student's responsibility to submit the required on-line forms through GradPath at the link <https://grad.arizona.edu/gsas/gradpath>.

Written Research Proposal

Students will develop a grant proposal closely aligned to their dissertation research, written in the format of a federal or private funding agency (e.g., NASA, NSF, NIH, USFWS, BLM). The proposal format should include a single page consisting of Specific Aims, followed by a 6-page Research Plan and a Biosketch or Curriculum Vitae with a personal statement. The number of pages for references is not restricted. The Research Plan should contain two main sections (i) Significance and Background and (ii) Approach. The Significance and Background section should evaluate the rigor of the prior research, identify gaps and weaknesses, and develop the central hypothesis or goal of the proposal. This section should include a statement concerning the novelty of the proposed work. The Approach section should develop the methodologies or steps to be employed to test the central hypothesis or to achieve the goal of the work. This section should include an evaluation of all the relevant biological variables that need to be addressed to ensure scientific rigor. The personal statement that accompanies the Biosketch should discuss the expertise and resources that are needed to conduct the research and discuss how the student will acquire the expertise and resources needed.

Although other formats are acceptable, the Program recommends that the student use the guidelines for the preparation of the F30 National Research Service Award (NRSA) grant application. The student should follow NIH guidelines regarding margins, fonts, font sizes and distance between lines.

It is assumed that the student and the Major Advisor will work together in discussion of the aims of the thesis work and how these aims will be accomplished; however, the written proposal must be the product of the student not the Major Advisor. The Major Advisor may advise the student on the clarity and meaning of the written product and the student may revise their proposal on the basis of this advice, but neither the Major Advisor nor any other person other than the student may edit the proposal.

Timeline for the written exam: Because completion of all the requirements for a Ph.D. is correlated with the time by which the comprehensive examination is passed, Program recommends that students complete the written portion of the exam by the end of the second year (typically from June to August). However, the Program allows some flexibility and we have set the deadline to submit the written portion of the exam as *March 15th*, approximately midway through the third academic year. This date is a firm deadline; late proposals will NOT be accepted, and students will receive a grade of Fail for the exam. Therefore, students are strongly encouraged to submit as early as possible anytime after the first Advisory Committee meeting.

To submit the written comprehensive exam, the student should provide an electronic PDF file to his or her Advisory Committee members and a copy to the Program Coordinator. If there is some valid exceptional reason why a student cannot make the deadline, he or she must contact the Graduate Program Director and the full Advisory Committee as soon as the problem is known. The Graduate Program Director and Advisory Committee will evaluate the validity/necessity of the situation, and work with the student to find a solution.

Written exam evaluation. The written examination will be reviewed by the

Comprehensive Examination Committee. In most cases this committee is identical to the Student Advisory Committee. The student's research proposal will be evaluated using the following criteria:

- The rigor of the prior scientific work relevant to the specific research question under investigation is discussed.
- Existing knowledge is critically evaluated to identify specific gaps in knowledge for which there is a compelling rationale to fill them.
- The aims of the work are hypothesis-driven.
- Feasible experimental approaches are proposed that take into account relevant biological variables. Outcomes, pitfalls, and alternative approaches are discussed.

Exams will be given a grade of Pass, Fail, or Conditional Pass within 2 weeks of submission.

- **PASS:** Students who pass the written examination may proceed to schedule the oral exam.
- **FAIL:** Students who fail the written exam must submit a substantially revised proposal to the Advisory Committee. The timeframe for resubmission will be established by the Committee, but must be within three months of the date the fail was posted. The written exam can only be retaken once; students failing the second written exam will be dismissed from the program.
- **CONDITIONAL PASS:** Written examinations that contain moderate or major weaknesses that can be remedied in a short period of time may receive a grade of Conditional Pass. The corrected written exam must be resubmitted to the Committee and Graduate Program Coordinator within three weeks for reevaluation. Students who submit an acceptable document may proceed to schedule the oral examination. Failure to submit an acceptable document will have their grade converted to a **FAIL**.

Oral Examination

The oral exam is meant to assess the ability of the student to discuss ideas, think through scientific pitfalls and defend experimental design and rationale. The oral examination is conducted by the Comprehensive Examination Committee and is a two-part process. The first hour is devoted to a brief presentation by the student and to a defense of a Research Proposal. In the usual protocol, the student leaves the room at the end of the first hours and the Committee deliberates on whether the examiners should continue to probe the research proposal or progress to the general exam. The general exam consists of a broad examination covering any aspect of Genetics or other general biology knowledge. The Committee has considerable leeway in the conduct of the examination. The examination should be no shorter than two hours and no longer than three hours. Students are encouraged to seek input from other students, postdocs, and faculty in preparing for the oral exam through practices, lab meetings, journal clubs, etc.

It is the responsibility of each student to schedule the oral exam with their Advisory Committee no later than to April 1 of the third year. The oral exam shall not be scheduled until the student has filed a passing written exam.

Timeline for the oral exam. The due date to submit the written portion of the exam is *April 1st*, approximately midway through the third academic year. If the student received a Conditional Pass on his or her written exam, the deadline is May 1st. If the student received a failing grade on the written exam, and then a pass, the oral exam deadline is 1 month after the second written exam is complete.

Oral exam evaluation. The written examination will be reviewed by the Student Advisory Committee. Exams will be given a grade of Pass, Fail, or Conditional Pass within 2 weeks of submission.

- Students will be given the grade of “PASS” or “FAIL” at the time of the exam. According to Graduate College policy, “More than one negative or abstaining vote will result in failure of the exam.” A minimum of four committee members must be present for the exam. It is expected that the student’s Advisor should

have minimal input during the questioning of the student. Failure of the oral examination may be grounds for dismissal from the graduate program. However, the student's Advisory Committee may allow the student to retake the exam. According to Graduate College policy, a student may take the oral exam only twice. The timing of the retake must be before October 1st of the fourth academic year, and must be within six months following the first oral examination, and must be conducted by the same committee that administered the first oral exam. Failure in both attempts results in automatic dismissal from the Ph.D. program. Upon successful completion of the comprehensive examination, presuming the required coursework has been completed, the student will be notified by the Graduate College of their advancement to doctoral candidacy (and the fees assessed at that point for candidacy). After completion of formal courses and during the pursuit of the dissertation research, the candidate is expected to continue to participate actively in Genetics GIFF programmatic activities.

Supervision and Evaluation after Completion of the Comprehensive Examination

The Major Advisor and the Student Advisory Committee monitor student progress after a student has passed the Comprehensive Examination. This Committee will monitor the progress of the student and provide critical advice at least annually. A brief report of each meeting is submitted to the Program leadership by the Chairperson of the committee. The Student Advisory Committee should notify Program leadership if there are any problems with the student's progress towards completion of the thesis work or with the Major Advisor's direction of the student.

The Program expects that students will publish their thesis work. The process of preparing a manuscript for publication and the process of getting a manuscript accepted by an impactful journal are central learning experiences for students and for Principal Investigators. Whether students plan to continue in academia or travel a different course for their career, learning how peer review works and how to respond to external critique is an important and pervasive part of professional life. This process adds meaning to the words "rigor of the prior research" as the student attempts to enter their creative work

into the research cannon. In addition to an invaluable scientific learning experience, the published manuscripts can comprise some of the essential chapters of the student's dissertation.

Dissertation

Preparation of the written dissertation shall follow the regulations of the Graduate College (as set forth in the Student's Manual for the Preparation and Presentation of Theses for Advanced Degrees). The student should prepare their dissertation in consultation with their Major Advisor, who is expected to provide advise on the content and clarity of the written document. After writing and revising a draft of the complete dissertation, the candidate must submit the draft to each member of the Dissertation Committee. The exact timing of the submission is at the discretion of the Dissertation Committee, but candidates must file the "Announcement of Oral Defense Examination" form with the Graduate College no later than 7 working days before the date of the Oral Defense Examination. This form requires the signatures of all members of the dissertation committee, signifying their assessment that the dissertation is ready to defend - although revisions may still be required. Thus, it is suggested that the final draft of the dissertation be submitted to committee members at least 6 weeks before the exam date. This allows 3 weeks for them to make a general assessment. Committee members will then provide the candidate with detailed suggestions or requirements for revision before, or on the day of, the final exam.

For information regarding the preparation of the dissertation, see the guides at <https://grad.arizona.edu/gsas/dissertations-theses/dissertation-and-thesis-formatting-guides>.

Final Examination

Formal defense of the dissertation constitutes the final examination. The defense comprises two parts:

- a one-hour public colloquium in which the candidate presents her/his research and explains how it contributes to the advancement of understanding of the nervous system, and
- an oral examination by the candidate's Dissertation Committee and other qualified persons acceptable to the committee. There is no minimum time limit for the final examination, but the examination may not exceed three hours.

The Final Examination will be chaired by a member of the Dissertation Committee other than the Major Advisor and must be conducted according to the Graduate College's "Policies and Procedures for Final Oral Examinations for Doctoral Candidates". After successful completion of the final examination, the candidate must submit a final copy of the dissertation to the Graduate Program Coordinator for a format review. The candidate makes any corrections required and provides two signed copies of the final dissertation to the office of the Graduate Student Academic Services. Approval pages, which must accompany these copies, are available on the Graduate College website (www.grad.arizona.edu) and it is recommended that the student take these approval pages to the final examination for signatures. The candidate also provides a final copy of the dissertation to the Graduate Program Coordinator to be bound for the Program's library.

Announcement of Final Examination

The final examination is your dissertation defense. The Announcement of final examination form must be submitted through GradPath at least 10 days prior to the date of your examination.

Final Copies of Dissertation Document

The final dissertation must be submitted via the electronic submission site at

<http://www.etsadmin.com/arizona>

and must meet all specifications of the manual. You can order your bound copies from this site. The dissertation is submitted by about April 20 for May graduation, November 26 for December graduation and August 11 for August graduation. Check with the PS

Program Office for exact dates. The last requirement is to clear all fees with the Bursar's office, failure to clear your account will postpone the posting of your degree.

YOU MUST BE REGISTERED TO DEFEND DURING THE FALL AND SPRING SEMESTERS! YOU MUST ALSO BE REGISTERED DURING THE SEMESTER YOU SUBMIT YOUR DISSERTATION. SUMMER REGISTRATION IS NO LONGER REQUIRED

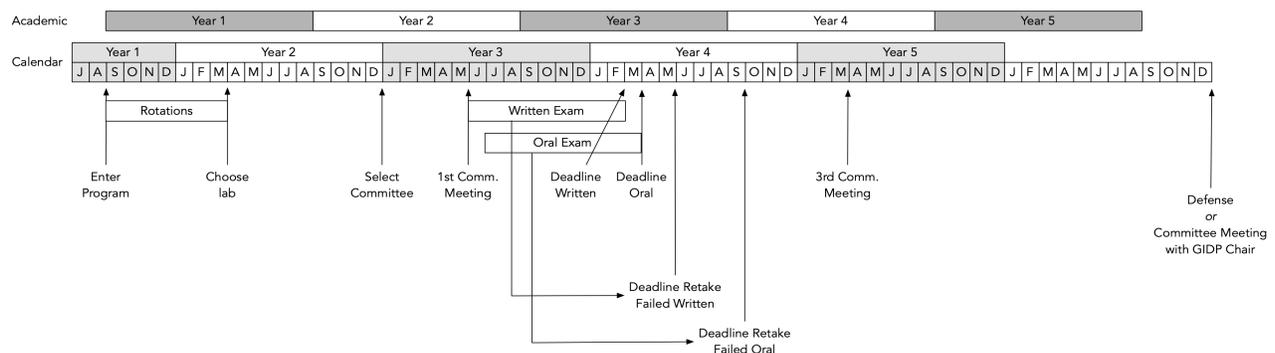
To defend and/or submit the final copies of the dissertation in the Fall or Spring semester you must register for a minimum of three graduate units; during the summer, you must register for one unit either summer session.

All students leaving the Genetics Program, whether by graduation or by withdrawal, will be asked to complete an exit interview with the Vice-Chair of the Program. Participation is voluntary, but strongly encouraged as feedback will be used to evaluate the student's experience and improve the functioning of the Program.

7. Program Time Line for a Typical Student

A Checklist is provided in Appendix II to help you keep track.

Schematic for Typical Timeline



YEAR 1

Take and satisfactorily pass two semesters of GENE 670 Recent Advances in Genetics and one of the three ethics courses offered. A grade of "B" or better is expected.

Take and satisfactorily pass elective coursework.

Complete and pass three rotations in the laboratories of your choice. Submit completed lab rotation forms (Appendix III) at the beginning and end of each rotation.

By mid-March of the second semester, the student is expected to have chosen a Major Advisor from the Genetics faculty. To formalize this selection, the student must submit the "Major Advisor Selection Form" (Appendix IV) with the appropriate signatures.

Prepare and submit to Genetics Program Office a proposed Program of Study. The student and her or his Major Advisor should work on this together. This form should be revised as changes occur throughout the student's graduate studies.

Students should familiarize themselves with the online application GradPath, which they will use to initiate form submissions. Complete the Responsible Conduct of Research form and the Plan of Study form. Detailed instructions are in appendix IV.

YEAR 2

Take and satisfactorily pass two semesters of GENE 670 Recent Advances in Genetics.

Complete and satisfactorily pass the coursework required for a major in Genetics.

Complete and satisfactorily pass the coursework required for their minor.

Form the Student Advisory Committee.

By the end of the second year, in consultation with the Major Advisor, the student prepares a Specific Aims page for their thesis work and submits it to their Student Advisory Committee.

Meet with the Student Advisory Committee for the first time to obtain feedback on the proposed aims. The Committee gives the go ahead for advancement to the Comprehensive Examination.

Students must submit the Comprehensive Examination Committee form via GradPath prior to scheduling your written comprehensive exams.

In most circumstances, the written and oral comprehensive examination will be completed by the end of the second year or beginning of third year.

As noted above, additional information on the comprehensive examination is available at the link <https://grad.arizona.edu/gsas/degree-requirements/doctor-philosophy#comprehensive-exam>.

The various required Graduate College forms are available at the link <https://grad.arizona.edu/gsas/gradpath>.

Once the student has passed the written and oral examinations, the Chair of the Student Advisory Committee will report "Results of Oral Comprehensive Examination" via GradPath, and the student will be advanced to candidacy by the Graduate College.

YEARS 3, 4, and 5

Take and satisfactorily pass four semesters of GENE 670 Recent Advances in Genetics.

During the third year and following years, the student should perform the work that ultimately forms the basis of the dissertation. The student should meet with their Student Advisory Committee at least once each year to update the committee on the progress of the research. The Chair of the committee submits reports to the Program coordinator and leadership.

As the student nears completion of the thesis research, s/he submits the "Doctoral Dissertation Committee Appointment" form in GradPath. This form establishes the examination committee for the dissertation and the final oral defense. The Student Advisory Committee generally assumes the role of the Dissertation Committee.

At the penultimate committee meeting, the Student Advisory Committee determines whether a student is ready to submit their dissertation work. When the student receives approval, s/he may prepare and finalize the dissertation and submit it to the Dissertation Committee. Students may not schedule their final oral defense until their dissertation has been approved by the Dissertation Committee.

Following Committee approval of the proposal, the student submits the “Dissertation Proposal Approval Form” to the Program Office and the “Prospectus/Proposal Confirmation” in GradPath.

FINAL SEMESTER

See the Graduate Colleges guidance for preparation of the thesis dissertation at:

[These guidelines](#) contain the directions for formatting the dissertation; however, the overall organization of the dissertation should be determined by the student and their Major Advisor. It is the responsibility of the Major Advisor to proof the dissertation.

The “Announcement of Final Oral Defense” form must be submitted in GradPath at least 10 days prior to your defense. This form assumes that the dissertation manuscript has been accepted by all the Dissertation Committee members. Therefore, penultimate copies of the completed dissertation manuscript must be distributed to the Committee members with enough time to review before you submit this form.

After passing the final oral defense, the final dissertation must be submitted via the electronic submission site at <http://www.etdadmin.com/arizona> and must meet all specifications of the dissertation manual.

Questions regarding submitting forms and/or deadlines should be directed to the Program Office.

8. Other Administrative Information

Leave of absence. Students should make every effort to complete all requirements for the Ph.D. degree within 4.5 to 5.5 years. Students must take at least 12 units of

graduate course work in each fall and spring semester in order to remain in good standing in the Program, or if they are on a graduate assistantship the Graduate College requires 6 units.

A checklist of requirements is maintained by the Graduate Program Coordinator and reviewed at least annually by Program leadership. If a student falls behind the timeline laid out in the checklist, s/he will meet with the program leadership, which will make recommendations to help resolve any problems. If a student fails to make progress in their dissertation research, at the recommendation of their Student Advisory Committee and with the approval of the Executive Committee, s/he may be referred to the Graduate College for removal in the absence of extenuating circumstances. Students will be notified by the beginning of the semester of each year of their satisfactory or unsatisfactory progress.

In certain circumstances, a student may apply for and be granted up to a one-year leave of absence. For example, in case of a long-term illness, pregnancy, or family emergency, a leave of absence allows the student to remain in good standing. Contact the Graduate Student Academic Services for more information. In addition, if a student has or develops a disability for which accommodation is possible, the student should contact the Disability Resource Center for more information about University policies and resources at <https://drc.arizona.edu>. In the event of unexcused interruption of graduate work for one semester (not including summers), the student must apply to be readmitted to both the Graduate College and the Genetics Program.

Doctoral Continuous Enrollment Policy. Unless excused by an official “*Leave of Absence*” (which may not exceed one year throughout the student’s degree program), all graduate students are subject to the Continuous Enrollment Policy of the Graduate College in order to remain in the program. If the student fails to obtain a “*Leave of Absence*” or maintain continuous enrollment, he or she will be required to apply for re-admission. Tuition or registration waivers cannot be applied retroactively.

Vacation Policy. Graduate students are research trainees but can also be University employees, so interpretation of holidays can be complicated. First-year students should consult with the Program coordinator for guidelines on how much vacation is considered appropriate. Once students are in the laboratory of a Major Advisor, they should negotiate with their Major Advisor when and how long they take vacations during semester breaks.

Students are required to notify the Graduate Program Coordinator or their Major Advisor when they make vacation plans. Attendance at scientific meetings or specialized courses is not considered vacation.

Student supervision and evaluation. It is important for GIDPs to foster student cohesiveness, since the range of courses and laboratories available may mean fewer chances than a traditional department for students to see and interact with each other. The Genetics program typically hosts a gathering for all students, incoming and returning, as well as all faculty members, at the beginning of the academic year in addition to other events during the course of the year.

The Program evaluates student progress annually, or more frequently if necessary, based on letter grades, rotation reports, and reports from the Student Advisory Committee. The Chair of the Program and the student's primary rotation mentors advise first-year students in the preparation of their curriculum and lab rotations. Going forward, at a minimum, students receive annual feedback.

In addition, the Executive Committee monitors student progress to ensure that course work is timely completed, that the Comprehensive Examination is completed on time, and that the student advances steadily towards completion of his/her dissertation work.

Evaluation during years 1 and 2. Each student undergoes an evaluation after each rotation in year 1 and is assigned a letter grade for each rotation. These evaluations involve review of the student's research and course performance and input from the student's rotation advisor(s). Program students are expected to maintain an overall

grade-point average of at least 3.00 (B) and to have no more than a total of two grades of C.

Qualifying for the comprehensive examination. The Graduate College's requirement of a Ph.D. qualifying exam will be satisfied when the student has passed the first-year evaluation, satisfactorily completed all course work, selected a major advisor, finalized a Comprehensive Examination Committee, and has been favorably reviewed by the advisor to move forward to written and oral examinations. Failure to complete the requirements for the qualifying exam by the midpoint of the sixth semester (for most students, this is March 15th of the third year) is cause for dismissal from the Program.

Policy for grievance and conflict resolution

All students have rights of academic freedom (right to pursue knowledge without interference from the government or University) and general human rights guaranteed by law (religion, speech, press, assembly, and appeal). Students have a right of confidentiality of academic records, and they have an expectation of fair evaluation of academic work. They have a right to due process and an expectation that they will not suffer retaliation for seeking redress of complaint.

In the events of disagreement or dispute on an academic issue, students should attempt to resolve the problem with the person with whom they have a dispute. If the dispute is not resolved, the student should provide a written description of the grievance to the Chair, Vice Chair, or a Member of the Executive Committee within thirty (30) working days from the time when the alleged grievable event(s) occurred. The written description should contain all matters of concern to the student. Issues not included in the written description may not be included in a grievance hearing to the event in question. Proposed remedies may be included in the description. If the student fails to submit the written description in a timely manner, the student forfeits any further process under this policy.

If the grievance includes all the persons mentioned above, the student may submit the written description to the faculty director or chair of another program or to the Faculty Dean of the Graduate Interdisciplinary Programs.

Once the written description is submitted, the applicable administrator will investigate and arrange a meeting with the graduate student to discuss and attempt to resolve issues. The administrator may discuss the issues and explore the potential resolution with relevant persons, including but not limited to the person(s) against whom the grievance is made, faculty of the program or University that have specific knowledge of the event, the Faculty Dean of Dean of the Graduate Interdisciplinary Programs, or the Dean of the Graduate College.

Except under extenuating circumstances, the administrator will contact the student within five (5) working days after receiving the written description to schedule a meeting. A good faith effort should be made to fold the meeting in a timely manner. Within fifteen (15) working after the meeting, the administrator will provide the student a written response. The written response should include the original date when the student submitted their grievance, the decision of the administrator, and the steps and rationale used to arrive at a decision. If additional time is needed, this document will include a timeline of when the final decision will be made.

Copies of the written response will be provided to the graduate student, the person(s) against whom the grievance is made, the Chair of the Genetics GIDP, and the academic Dean involved in the process. An official copy will be sent to the Graduate College to be retained in the student's file.

If this conflict resolution process is not successful, the student may appeal to the Graduate College. A description of the policy and procedure is provided at the link <https://grad.arizona.edu/policies/academic-policies/summary-grievance-types-and-responsible-parties>.

Terminal Master's Degree Option for Ph.D. Students.

Students enrolled in the doctoral program who wish to obtain the Terminal MS degree in Genetics are expected to complete the following five requirements:

- 1) Contact Program Committee (copy Program Chair and Program Coordinator) in writing of intention/circumstances to obtain a MS
- 2) Pass Ph.D. coursework with B grade or above
- 3) Pass the Comprehensive Examination (written and oral)

Financial Structure of the Doctoral Program

The funds utilized by the Program to support the doctoral student stipends can be derived from a number of different sources, including NIH Training Grants, Graduate College Fellowships, Teaching Assistantships, external fellowships or grants, philanthropic funds, and faculty contributions. In general, these funds dictate the number of students supported by the Program. It is the intention of the Genetics program to provide at least partial support for full-time predoctoral students who are in good standing in the program for five consecutive years. Because there are uncertainties in funding sources, support cannot be guaranteed to any student; however, the Program will make every effort to help students obtain funding for at least five years. The five-year period begins with the year of admission into the program, and barring exceptional circumstances is limited to five years regardless of the actual source of support for the student during that period. Support ends at the time of graduation (with congratulations!) if the student finishes in less than five years.

Support from the Program includes stipend, health insurance, registration fees and out of state tuition if applicable. Once a mentor is selected at the end of the first year, the student's Major Adviser covers the student's salary, in other cases, the Program covers part of the student's salary with the other part provided by the student's Major Adviser. In some cases, the Program can provide most of support for a period of time. Students will not be allowed to join a laboratory that does not have ongoing support.

Competitive Predoctoral Fellowships

The Program encourages individual students to seek supplementary funding. The advantages of seeking predoctoral fellowships are that it provides you with an opportunity to develop grant-writing skills, it brings prestige to you and the Program, it enables us to recruit more students into the Program, and it enables you to supplement (increase) your stipend. The Program can provide guidance in this endeavor by identifying potential funding agencies. The proposal, however, should be written in consultation with your Major Advisor.

Scientific Conferences.

Depending upon the availability of funds, the Program attempts to defray the costs for students who are attending and presenting a “first author” poster or platform talk at one national meeting per year. Specifically, the Program may pay for costs associated with travel, lodging, meals and registration fees. Students must be a first-author presenter. Travel Request Forms are available in the Program Office. Student can apply for funds that are available from the Program (Zukowski Travel Award, see genetics website) and the College’s Graduate Professional and Student Council (GPSC at <https://gpsc.arizona.edu>) for travel grants.

9. Minor in Genetics

The Genetics Program encourages students from other disciplines to minor in genetics. Nine credits in genetics are required. Students planning to minor in genetics must have at least one member of the Genetics GIDP on their Comprehensive Examination Committee, and must submit the appropriate form to the Executive Committee through the Graduate Program Coordinator for approval and signature. Successful completion of nine units of approved coursework in genetics is required prior to passage of the comprehensive exams. As part of the nine units, Genetics minors must complete two semesters (four credit units) of GENE 670 Recent Advances in Genetics. The remaining five units should be graded genetics or genomics courses as approved by student’s Committee and Genetics Program leadership and listed on the PoS.

One Comprehensive Examination Committee member must be a faculty member of the Genetics GIDP, and oral questions during the Comprehensive Examination must include material from the student's genetics coursework.

APPENDIX I

By-Laws of the Graduate Interdisciplinary Program in Genetics

Preamble

The Genetics Graduate Interdisciplinary Program (GIDP) is comprised of an integrated set of graduate-level educational activities, both classroom- and research-based, in the broad discipline of genetics. The Program awards a Ph.D. degree in Genetics and in special circumstances an M.S. degree. Faculty members in the Program have primary appointments across many Colleges at the University of Arizona. The Executive Committee will be appointed by and responsible to the Faculty Chair of Graduate Interdisciplinary Programs with the consent of the membership. The Executive Committee serves as the executive, administrative, and policy-making board for the Program. The organization and structure of the Genetics GIDP conforms to the Graduate College policies and to Guidelines of the GIDPs established by the Faculty Chair of Graduate Interdisciplinary Programs.

In addition to its other functions, the Executive Committee, with the input of all the faculty of the Program, provides the direction and leadership necessary to maintain and foster excellence in the Genetics GIDP's educational activities. In accordance with this mandate, the Executive Committee will regularly review and evaluate faculty membership, the Genetics GIDP's educational activities, and any other activities that come under the purview of this GIDP. These By-Laws constitute the rules that govern the various functions of the Genetics GIDP.

Article I. Executive Committee of the Genetics GIDP

I.1. The Executive Committee is responsible for administering the graduate program, including (i) recruitment and admission of students into the Program, (ii) establishment of program curricula, (iii) establishment of requirements for advancing to candidacy and degree completion, (iv) periodic reviews, typically annually, of student progress, (v) promotion of an environment that facilitates scholarly activities in Genetics, (vi) organization of seminars, student colloquia, journal clubs, and other forums for communication of genetics research, (vii) strategic planning for the future development of the Program, (viii) raising and allocating funds for program activities, (ix) review of faculty membership and participation in the GIDP, and (x) reporting the Program's activities and functions to the faculty and to the Faculty Chair of Graduate Interdisciplinary Programs.

I.2. The Executive Committee will consist of no less than eight faculty members representing a variety of disciplines across the Genetics GIDP, including departments from multiple colleges currently involved in the Program, and one Genetics GIDP student representative, preferably at the level of Candidacy. Faculty members of the Executive Committee will serve a three-year term. Terms will be staggered so that two members of the Executive Committee rotate off the committee every one or two years. The Faculty Chair of Graduate Interdisciplinary Programs will appoint new faculty members onto the Executive Committee with the consent of the membership. Faculty members of the Executive Committee may serve a maximum of three consecutive terms. At the end of his or her term as Chair of the Program will serve for one year on the Executive Committee as an ex-officio (non-voting) member, in an advisory capacity to aid the smooth transition of the new Chair. Student representatives serve a one-year term and will be elected by the students in the graduate program.

I.3. The Executive Committee will sanction the establishment of Standing and Ad-hoc Subcommittees as needed for the administration of the Program as defined in Article I, subsection 1.

Article II. Chair of Graduate Studies of the Genetics GIDP

II.1. The Chair of the Genetics GIDP, with the advice of the Executive Committee and with the input of the faculty, is granted those powers and responsibilities necessary for a well-functioning program.

II.2. Election of the Chair of the Genetics GIDP . The Dean of the Graduate College, through the Faculty Chair of the Graduate Interdisciplinary Programs, will appoint a member of the Executive Committee, nominated with the input from the Genetics faculty, to serve as Chair of the Genetics GIDP. Appointment of the Chair of the Genetics GIDP requires a two-thirds positive vote by Genetics Faculty. A quorum shall constitute one-third of the Genetics faculty members. The Chair will serve a five-year term with the possibility of one additional term by re-election.

II.3. The duties of the Chair of the Genetics GIDP are as follows.

3a. With the advice of the Executive Committee, the Chair shall appoint Standing Subcommittees to oversee key functions of the GIDP, including student recruitment, student progress, educational curriculum, scholarly engagement (journal clubs, colloquia, etc.), and submission of appropriate competitive and non-competitive grants.

3b. Call and preside over meetings of the GIDP.

i. meetings of the Executive Committee to be held at least once a semester;

ii. meetings of the entire faculty of the Genetics GIDP to be held at least once per year;

iii. meetings of the duly sanctioned Standing Subcommittees as needed.

3c. Administer the Genetics GIDP budget.

3d. Supervise the Program Coordinator.

3e. Advise the Dean of the Graduate College by way of the Faculty Chair of Graduate Interdisciplinary Programs on issues pertinent to the Genetics GIDP.

3f. Report at minimum annually to the faculty members on the state of the Genetics GIDP.

Article III. Vice Chair of Graduate Studies of the Genetics GIDP

III.1. The **Vice Chair of Graduate Studies of the Genetics GIDP** will assist the Chair in the general well-functioning of the program and in those specific duties enumerated below.

III.2. The **Vice Chair of Graduate Studies of the Genetics GIDP** shall be appointed by the Chair with the advice and consent of the Executive Committee and the consent of the faculty of the Genetics GIDP by vote under the same rules as for the Chair. The appointment as Vice Chair shall be made by the Faculty Chair of Graduate Interdisciplinary Programs. The Vice Chair shall serve on the Executive Committee for a term of three years with the possibility of two additional terms.

III.3. The duties of the **Vice Chair of Graduate Studies of the Genetics GIDP** shall be as follows:

3a. Oversee the establishment of qualifying and thesis committees.

3b. Administer curricular activities and execute the educational directives of the Executive Committee.

3c. Administer student academic affairs.

3d. Undertake those additional tasks that can reasonably be assigned by the Chair.

3e. Report at least twice a year to the Chair and Executive Committee on those matters relating to the Chair's duties.

Article IV. Membership

III.1. The Genetics GIDP faculty members consist of tenured, tenure-eligible, Clinical-Series and Research-Series faculty at the University of Arizona who participate in research and education in genetics.

IV.2. Membership criteria.

2a. Faculty members will be nominated by submitting of a request for membership, consisting of a cover letter and a current curriculum vitae, to the Executive Committee. Criteria for membership shall include interest in participation in graduate teaching and research and demonstrated current scholastic activity in the broad field of genetics. Therefore, the cover letter should include a statement of interest addressing the aforementioned points.

2b. Upon evaluation of the request, the Executive Committee will vote on the nominee. If a nominee receives a two-thirds majority vote, the nomination will be forwarded to the Faculty Chair of Graduate Interdisciplinary Programs who shall confer membership. New members are required to present a research seminar in the Genetics Seminar Series within one year of joining the Genetics GIDP Program. Continuation of membership is contingent upon meeting the same criteria at periodic review by the Executive Committee.

2c. A member of the Genetics GIDP will be asked to leave the Program if s/he fails to participate in the activities of the Program. Participation in the Program includes service on a Subcommittee, acting as a dissertation/thesis director for a Genetics GIDP graduate student, teaching a graduate course or seminar in Genetics, or continued scholarly productivity in the general area of genetics.

2d. Members dropped from membership may reapply for membership as outlined in Article III, section 2a.

IV.3. Membership responsibilities.

3a. Tenure track members of the Genetics GIDP may serve as dissertation/thesis advisors for students in the Genetics Graduate Interdisciplinary Program. Research series faculty who wish to supervise a graduate student must request special permission from the Associate Dean in the Graduate College Dean's office through the Genetics GIDP, for permission to mentor a student in the Program.

3b. Members of the Genetics GIDP may be asked to serve on the various Subcommittees of the Program, to participate in teaching, to act as a thesis advisor, to serve on a thesis committee, or to participate in other scholarly activities of the program.

3c. Members serving as major advisors for graduate students in the Program, will be expected to share in the support of graduate students in the Program at a level determined by the Executive Committee.

IV.4. Voting. Each faculty member of the Genetics GIDP shall have one vote on matters brought to the Program by the Executive Committee. A quorum shall constitute one-third of the faculty membership.

IV.5. Annual Genetics GIDP surveys will be sent out to monitor the participation and enthusiasm of the faculty. Questions will include what percentage of faculty time is spent involved at any level with the Genetics GIDP and whether faculty still wish to be involved with the Genetics GIDP program.

Article V Amendments

These By-Laws will be reviewed and amended as needed by majority vote of the Executive Committee and approved by a two-thirds vote of the Genetics faculty. A quorum shall constitute one-third of the Genetics faculty.

Edited September 06, 2019 by the EC
Reviewed August 10, 2019 by the Genetics faculty
Approved with revision October 16, 2019 by the Graduate College GIDP
Revised January 8, 2020 by Program Coordinator and Chair

APPENDIX II —do we need these forms?

Official forms for most steps in the process outlined in this handbook can be found at GradPath at the link <https://grad.arizona.edu/gsas/gradpath>.

Program Forms

GENETICS DOCTORAL STUDENT CHECKLIST

Name: _____ First Enrollment: _____ Mentor:

Faculty Preceptor: _____

Program Forms

Lab Rotation Forms (Faculty/Term) _____

Mentor Selection Form ___/___/___ Minor Approval Form: ___/___/___

Comprehensive Exam Committee Form: ___/___/___ Dissertation Proposal Form:
___/___/___

Teaching Fulfilled _____ Transfer Units Approved (if applicable)? _____

Student Forum (Term): Full Length Seminar: _____ 20 Minute Presentations:

Required Coursework (Term/Grade)

GENE670 _____ GENE795A _____ MCB695E _____ Stats (course
#) _____

Graduate College GRADPATH forms:

Responsible Conduct of Research ___/___/___ Doctoral Plan of Study:

___/___/___

Comp Exam Committee Appointment ____ / ____ / ____ Announcement of Comprehensive Exam ____ / ____ / ____

Dissertation Committee Appointment ____ / ____ / ____

Announcement of Final Oral Defense: ____ / ____ / ____

Comprehensive or Dissertation Committee Meetings: ____ / ____ / ____,
____ / ____ / ____, ____ / ____ / ____, ____ / ____ / ____, ____ / ____ / ____,
____ / ____ / ____

Comprehensive Exam Committee:

Faculty Representing Major (Name & Dept) Faculty Representing Minor (Name & Dept)

Written Completion Date: ____ / ____ / ____ Oral Completion Date: ____ / ____ / ____

Dissertation Committee:

Faculty Representing Major (Name & Dept) Faculty Representing Minor (Name & Dept)

Dissertation Title:

Honors/Awards: _____

GENETICS MASTERS STUDENT CHECKLIST

Name: _____ First Enrollment: _____ Mentor: _____

Faculty Preceptor: _____ Student Preceptor: _____

Program Forms

Lab Rotation Forms (Faculty/Term) _____

Master's Committee Form ____ / ____ / ____

Student Forum (Term): 20 Minute Presentation: _____

Required Coursework (Term/Grade)

GENE 670 _____ MCB 695E _____

Graduate College GRADPATH forms:

Responsible Conduct of Research ____ / ____ / ____ Master's Plan of Study: ____ / ____ / ____

Comp Exam Committee Appointment ____ / ____ / ____ Results of Comprehensive Exam ____ / ____ / ____

Committee Meetings: ____ / ____ / ____, ____ / ____ / ____, ____ / ____ / ____,

Project or Thesis Title

Honors/Awards: _____

APPENDIX IV —having this contract seems worthwhile but it could be simplified

Major Advisor Selection Form

I, _____ hereby agree to accept _____ into my laboratory and serve as mentor effective ___/___/____. By accepting this student I understand that each year I am financially responsible for 50% of the current stipend amount to the program on behalf of this student. I further understand that this student may be supported via a training grant, thus my portion will be paid to the program not necessarily directly to the student. I will make my contribution in one of the following ways:

___ Pay 50% directly towards a graduate assistantship (Student is NOT appointed to a training grant);

___ Transfer state salary dollars to Genetics by transferring my salary to grant dollars;

___ Provide indirect cost dollars for program use;

___ Another method to be agreed upon by me and the Program, outlined below

(e.g., Training support 100% this year, I will pay 100% next year)

___ Should my funding become unavailable, my department head agrees to cover my portion of the above named student salary at the Genetics stipend rate for the duration of training, or until extramural funding is obtained

(Major Advisor Signature) (Date)

(Student Signature) (Date)

(Home Department Head Signature) (Date)

(Home Department Business Manager) (Date)

APPENDIX V

Gradpath Directions

PhD Students

Doctoral gradpath forms instructions. These forms are initiated during the 3rd semester.

- Log in to UAccess Student
- On the main page is a menu box “other academic”
- Click on the drop down menu and select “gradpath forms” near the bottom of the list.
- You must then click the “>>” to “go”
- This will take you to the gradpath forms page
- You must first fill out the “Responsible Conduct of Research Statement” by checking “I accept” and clicking “submit”
- Once this form is complete the “Plan of Study” form becomes available. Fill in this form by selecting your courses to fill the form. You need 36 units total in the major and 9 units in the minor. You may need to select “future” courses. Dissertation units can NOT be included on this form. Once filled in click “submit”. It will be forwarded first to the Program Coordinator, then to your Mentor, then to the Minor, then to our Program Chair, then to the Graduate College. If there are mistakes it will be “denied” by the coordinator for you to correct and resubmit.
- After the Plan of Study is approved (typically by the summer of year 2) you must submit the “Comp Exam Committee Appointment” form which lists your comprehensive exam committee, by selecting the faculty from the UAccess database. You must also assign each committee member a “role”. Remember the Chair of your comp committee can NOT be your mentor. All other faculty should be given the role of “member”. Remember to click “submit” If a member of your committee does not show up on the list contact the program coordinator right away so that member can be added by the Graduate College.
- Once this form is available and prior to your oral exam you must complete the “Announcement of Doctoral Comprehensive Exam” form, including the date of your oral exam. After your exam an email will be sent to your committee chair to record the results of the exam in gradpath which will complete the “Results of Oral Exam” form.
- During year 3 you should establish your dissertation committee and complete the “Doctoral Dissertation Committee Appointment” form; Same as above, you must assign each committee member a “role”; Your mentor is now the chair of your committee and the other faculty “members”. If a member of your committee does not show up on the list contact the program coordinator right away so that member can be added by the graduate college.
- The next step is to have your dissertation proposal approved by your committee. Once this is done, submit the “Dissertation Proposal Form” to the program office and in gradpath submit the “Prospectus/Proposal Confirmation”
- You are all done with forms until it’s time for your defense. 2 weeks prior to your defense you must submit your “Announcement of Final Oral Defense” This form schedules your exam with the graduate college. After your defense your Mentor is sent an email to record the results from your exam. This will complete the final form “Results of Final Oral Defense.”

Gradpath Directions

MS Students

Master's gradpath forms instructions. These forms are initiated during the 3rd semester.

- Log in to UAccess Student
- On the main page is a menu box "other academic"
- Click on the drop down menu and select "gradpath forms" near the bottom of the list.
- You must then click the ">>" to "go"
- This will take you to the gradpath forms page
- You must first fill out the "Responsible Conduct of Research Statement" by checking "I accept" and clicking "submit"
- Once this form is complete the "Plan of Study" form becomes available. Fill in this form by selecting your courses to fill the form. You need a minimum of 30 units total. If you click on the "Yes" I am doing a thesis button then you MUST register for at least 1 unit of 910 thesis units and these MUST be included on the Plan of Study. If you are doing the research summary option in the form of a manuscript you should click "No". You will need to select "future" courses to fulfill the 30 unit requirement. Once filled in, click "submit". It will be forwarded first to the Program Coordinator, then to your Mentor, then to our Program Chair, then to the Graduate College. If there are mistakes it will be "denied" by the coordinator for you to correct and resubmit.
- Once you have established your committee you will complete the "Master's/Specialist Committee Appointment" form which lists your committee, by selecting the faculty from the UAccess database. You must also assign each committee member a "role". Your mentor is the "chair" all other faculty should be given the role of "member". Remember to click "submit" If a member of your committee does not show up on the list contact the program coordinator right away so that member can be added by the Graduate College
- These are the only gradpath forms for you to complete. After your MS Defense, your mentor must contact the program office with the results and we will submit the "completion of requirements request" which will generate the "Master's/Specialist Completion Confirmation" form in gradpath.