

TOXICOLOGY GRADUATE PROGRAM STUDENT HANDBOOK

This handbook is a supplement to the ISU Graduate Student Handbook
<http://www.grad-college.iastate.edu/common/handbook/>

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Prerequisites to major in Graduate Toxicology

<https://www.toxicology.iastate.edu>

Prerequisites for entrance into the graduate toxicology major include an undergraduate degree in a relevant area of study; for example, chemical engineering, biology, biochemistry, chemistry, ecology, entomology, food science and technology, microbiology, nutritional science, zoology or veterinary medicine. Minimum undergraduate coursework should include the following or equivalent: one year of college mathematics, including calculus; one year of inorganic chemistry; two years of biological sciences including one course in physiology. Other courses that are considered desirable include: biochemistry, physical chemistry, qualitative analysis.

Ph.D. and M.S. Course Requirements

Ph.D. students take the following courses:

72 credits are required for a Ph.D. degree

TOX 689 Seminar every fall and spring (does not need to be on your POS)

TOX 501 (offered in the fall)

TOX 502 (offered every other spring 2018, 2020)

TOX 504 (Toxicology Seminar) - needs to be taken twice

7 additional credits in toxicology (see list at bottom of this page)

BBMB 404 Biochemistry I (offered in-class fall; on-line fall, spring and summer)

BBMB 405 Biochemistry II (offered in-class spring; on-line fall, spring and summer)

2 additional credits in BBMB (biochemistry) from 500 or 600 level BBMB courses

3 graduate credits in a physiology, histology, or pathology course

STAT 587

STAT 402

Either GRST 565 or Vet Path 554.

At least 10 research credits (TOX 699 or TOX 697)

Courses as directed by your POS committee

M.S. students take the following courses:

30 credits are required for an M.S. degree

TOX 689 Seminar every fall and spring (does not need to be on your POS)

TOX 501

TOX 502

TOX 504, taken one time

3 additional credits in TOX courses. (see list at bottom of this page)

BBMB 404

BBMB 405

STAT 587

Either GRST 565 or Vet Path 554

At least 3 research credits (TOX 699 or TOX 697)
Courses as directed by your POS committee

Note: There are three 300-400 level credits allowed towards your course number requirements. Place any additional 400 level courses in the notes section of your POSC along with the semester taken and grade. It will not count towards your required 72 credits but it is required by the Toxicology program to complete your degree.

An overall GPA of 3.0 is required to graduate from the program

Research credits do not count towards grade GPA. Minimum research credits for MS is 3; for Ph.D. is 10. There is no maximum.

Catalog Descriptions will include whether the course is offered Fall, Spring, Summer. Some courses are offered every other year: <http://catalog.iastate.edu/azcourses/>

Minor in Toxicology

To complete a Minor in Toxicology along with another Ph.D. program, the following are required:

TOX 501

TOX 504

Six credits of other Toxicology courses

One semester of TOX 689

One member of the student's POS committee must be a faculty member in the Toxicology program

To complete a Minor in Toxicology along with another M.S. program, the following are required:

TOX 501

TOX 504

Three credits of other Toxicology courses

One semester of TOX 689

One member of the student's POS committee must be a faculty member in the Toxicology program

Typical First Year coursework:

Fall: BBMB 404, STAT 587, TOX 689, Research

Spring: BBMB 405, STAT 402, GR S 565, TOX 689, Research

Summer: Research

Courses that are available to meet the "additional credits in Toxicology" for Ph.D. or M.S. degree.

TOX 420 Food Microbiology, 3 credits
Vet Path 503, Principles of Pathology, 3 credits
STAT 505 Environmental Statistics, 3 credits
TOX 515 Regulatory Toxicology, 2 credits
TOX 526 Veterinary Toxicology, 3 credits
BMS 538 Principles of Physiology, 4 credits
BMS 539 Principles of Pharmacology, 4 credits
BCB 544 Bioinformatics and Computational Biology, 4 credits
TOX 546 Clinical and Diagnostic Toxicology, 1-3 credits
TOX 550 Pesticides in the environment, 2 credits
TOX 554 General Pharmacology, 3 credits
TOX 569 Reproductive and Developmental Toxicology, 2 credits
TOX 575 Cell Biology, 3 credits
ENT 590I Toxicology, 1 credit
BCB 590 Applying Computational Methods to Biological Research, 1 to 3 credits.
TOX 626 Advanced Food Microbiology, 3 credits
TOX 627 Rapids Methods in Food Microbiology, 3 credits
TOX 675 Insecticide Toxicology, 3 credits.
TOX 544X Aquatic Toxicology, 2 credits.

Toxicology Program Deadlines and Requirements:

- Ph.D. POSC formed and POS filed with the graduate college by the end of the first year in the program (if direct admit/non-rotation student).
- M.S. POSC formed at the beginning of the 2nd semester in the program
- Doctoral Candidacy exam completed by the end of the third year
- Meet with POSC at least once per calendar year
- Complete GRST 565 or VET PATH 544 by the end of your first year
- Turn-in program checklist filled out between September 1 and November 1 each year

Candidacy exam is recommended by the end of the third year in the program

Form available in departmental offices (it is NOT on-line)

Submit form at least two weeks prior; written component required Make sure you list any co-majors, minors, or specializations on form Other related forms: Prelim with committee member at a distance

Request for Committee Substitution at the Prelim or Final Oral Exam <http://www.grad->

college.iastate.edu/common/forms/files/POSC.pdf

You cannot go back and add other majors or minors of specializations after Prelim
Meet annually with your POS committee after passing your prelim. Record on your annual TOX checklist

Discuss progress or lack of progress, goals, plans for completion of thesis research Discuss professional development, job opportunities

Three members of POS committee should be present; others met independently

Application for Graduation (on-line through ACCESS PLUS) - Check your POSC in ACCESS PLUS - is everything “green”. If not, make corrections to your POSC now. Do not wait until your final defense.

Time limit for courses to be considered valid is 7 years; requires written request of acceptance to Graduate College for extension to this deadline. Put overage courses in comments showing when taken and grade. This will require that the DOGE and the POSC approve that your knowledge is still relevant.

Request for Final Oral Examination <https://www.grad-college.iastate.edu/student/forms/>

Attendance at Toxicology program seminars (TOX 689).

Toxicology majors are required to sign up for and attend TOX 689 in semesters offered. Students must attend 80% of the seminars listed for the semester. If a student attends a national conference or meeting during the semester, they may request that attendance at the conference be used to meet one (1) missed seminar during the same semester.

Information for students participating in research rotations.

Students who are not direct admits into a specific lab group will participate in three rotations, typically 8-10 weeks in duration. The intent is to find a mentor who will guide you through your research degree program. In planning rotations, speak to faculty whose research interests you and who have the funding potential to support your stipend once you join their research group. The TOX program typically supports 2-4 rotation students per academic year. Once a rotation student joins a lab, they should file a form to establish their home department. Home Department for Students Admitted to Interdepartmental Majors Form: http://www.grad-college.iastate.edu/common/forms/student_forms.php

Plan of Study Committee (POSC):

For Ph.D. students, the POSC requires five faculty members. Three of those faculty must be Toxicology faculty.

One faculty member must be listed as “outside.” “The outside graduate faculty member(s) of the POS committee provide relevant specialized knowledge or a different perspective helpful to the planning, execution, and reporting of research, or some aspect of intellectual diversity deemed important by the committee and/or major.” This/these faculty may be in the same major and department.

For M.S. students, the POSC needs three faculty members. Two of these faculty must be Toxicology faculty.

One faculty member must be listed as “outside.” “The outside graduate faculty member(s) of the POS committee provide relevant specialized knowledge or a different perspective helpful to the planning, execution, and reporting of research, or some aspect of intellectual diversity deemed important by the committee and/or major.” This/These faculty may be in the same major and department.

The Plan of Study (POS) form should list courses required as partial completion of your degree: Core curriculum, TOX 504, scientific ethics, research and courses required by the members of your POS committee.

POS meetings: By the end of the first year in the major professor’s laboratory, a Ph.D. student must formally set up a POSC meeting and their POS. To accomplish this, the student is advised to arrange a meeting of the POSC. At least three committee members must attend for a Ph.D. student and two committee members for M.S. student. A good initial approach is to provide the POSC information about your educational and research background, outline basic questions to be pursued in the Ph.D. research, and indicate some of the basic research strategies to be employed and possible future directions (impact of the research). The student should carefully consider feedback from the committee members, as they often have good insights and advice for research and career enhancement. The student should coordinate with committee members unable to attend this first POS meeting, individually providing the same oral presentation that was given to the group.

In setting up POSC meetings, students should consider that many professors have very full schedules.

Talk with major professor about possible dates and the amount of time required for the meeting; typically one hour should be sufficient time for a POSC meeting.

Ask POSC members what the preferable way for meeting organization is – some people appreciate a doodle poll, others prefer that you check their outlook calendar.

Find a time that works for the POSC and book a meeting room. Send a reminder of the meeting time and location 24h in advance.

Toxicology graduate students should meet with their POSC annually.

Doctoral Student Candidacy Exam (also referred to as the Prelim.)

Tests knowledge of major, minor, and supporting subject areas as well as the student's ability to analyze, organize, and present subject matter relevant to the field.

Tests breadth of knowledge in the area of toxicology

Tests depth of knowledge in a student's particular research area

Tests critical thinking skills especially as they pertain to the scientific method and hypothesis-based research

There is a form to set the date of the candidacy exam and to notify the Graduate College. The form should be submitted at least 2 weeks in advance to the Graduate College

- Needs signatures of all committee members
- Prelim form will then be sent to departmental secretary

The entire POS committee must be convened for the preliminary oral examination.

One of my committee members is out of town but is willing to participate in the meeting electronically (using Skype, Zoom etc.). Use the "Preliminary or Final Oral Examination with Committee Member at a Distance" form found here: http://www.grad-college.iastate.edu/common/forms/student_forms.php

- A committee member must agree to sign for the distance member.
- The distance member must participate for the full examination.

TOX requires a written component as well as the oral examination

TOX students must complete their prelim no later than the end of their third year in the program.

What should I expect regarding the preliminary examination? Talk with your committee members and major professor as to what to expect.

Each member votes their recommendation.

Doctoral Candidacy Exam Outcomes

Pass: committee recommends admitted to Ph.D. candidacy

Conditionally pass: must meet other conditions specified before recommendation

Fail with opportunity to repeat examination after six months

Fail and is not permitted to work towards a Ph.D.

We asked students who have successfully completed their Preliminary Examinations to

offer some suggestions regarding preparing for your prelims. Here is what they said:

“More than anything else I think it is helpful to cultivate a relationship with each member on your committee. This way you can understand where they're coming from and they can do likewise of you. In the end, prelims are not solely about facts, questions or science but are instead about interactions between people. My adviser did an excellent job of helping me understand that. The most important thing I could tell new students is to get to know their committee members and ask them their expectations. This alleviates much of the stress of trying to study everything, and makes the whole experience more personal.”

“Review basic toxicology textbook. This helps remind you of the "bigger picture" rather than your own detailed experiment. Practice the oral presentation in front of your lab members. Senior students in the lab will be able to ask prelim-like questions based on their own experiences.”

Assistantships and Tuition

You must be registered as a graduate student to be paid on an assistantship.

Registration is via ACCESS PLUS. Go to the Student Tab. Select Student Registration

You can register on-line till the first day of classes

You can make changes to your schedule on-line through the first week of classes

After the first week or if you have not registered prior to classes beginning you will need to use an ADD/DROP slip. This form is available in most departmental offices or on the bulletin board outside of the Toxicology office (yellow ½ sheet).

Students who are not registered will have a HOLD placed on their payroll at the beginning of the semester

Full time is considered nine credits for Fall and Spring semesters.

The minimum number of credits for summer is two credits and is recommended since tuition in the summer is charged by credit hour from two to five for students on assistantships; there is no additional charge for more than five credits.

To receive a tuition scholarship your GPA must be 3.0 or above

Students on ½ time assistantships receive 100% tuition scholarships (Ph.D.) and 50% tuition scholarships charged at in-state rates (M.S.) provided your overall GPA is 3.0 or above.

You will receive a letter of intent (LOI) that describes the stipend amount per month and the dates your assistantship begins and ends.

If you do not have an LOI or the present LOI is ending soon talk to your major professor.

All students on assistantships receive paid single health insurance.

Completion of Degree

Graduation Requirements: <http://www.grad-college.iastate.edu/graduation/>

Graduation Deadlines: <http://www.grad-college.iastate.edu/calendar/>

The Final Examination is a formal seminar presentation of your completed research. Please notify the program coordinator with your name, department, degree to be awarded, major professor, the seminar title, date, time and location of the seminar and an abstract. This information will be provided to the Toxicology faculty and graduate students.

Let your major professor and your home department know your last day on payroll

Leaving your lab or the program without completing a degree

Things to think about if you decide to leave your lab before graduation

If you leave in the middle of a semester

- a. How does this affect payroll
 - i. Benefits are tied to your being a graduate student on assistantship
- b. How does this affect your courses for the semester
 - i. Research credits with your major professor
- c. How does this affect your tuition scholarship
 - i. Three month rule vs being charged full out-of-state tuition
- d. How does this affect your health insurance payments
 - i. Comes with your assistantship; stops with your assistantship
- e. Finding a new lab

Things to think about if you decide to leave Iowa State before completion of your degree

Let the program, your major professor, your home department know:

Last day on payroll.

Last day on health insurance.

Course enrollment for the present and future semesters.

If you are pre-enrolled for the next semester you need to drop those courses.

If you are not planning to return to Iowa State University consider officially withdrawing (form).

If you might return to Iowa State, no additional action needs to be taken at this time.

Additional Academic Considerations

The Toxicology Graduate degree is a research-based discipline.

Theses should be written in Journal Paper format.

Electronic Thesis/Dissertations preparation: <http://www.grad-college.iastate.edu/current/thesis/>

Non-thesis Master of Science degrees are NOT offered by this program.

To meet the scientific ethics (GRST 565 or VET PATH 544) requirements students must receive a grade of B or better.

Professional Ethics: Responsible Conduct in Research can be downloaded for free at the National Academies Press website: http://www.nap.edu/catalog.php?record_id=12192

University deadlines can be found in the Iowa State University Graduate Student Handbook. Be familiar with the Policy Summary: <https://www.grad-college.iastate.edu/handbook/>

Professional Development Calendar: http://www.grad-college.iastate.edu/calendar/cal_prof_dev_table.php

Graduate and Professional Student Senate: <https://www.gpss.iastate.edu>

Dismissal from the Toxicology Graduate Program

Dismissal Criteria:

Continuing registration as a graduate student at Iowa State University is contingent on maintaining good standing in a graduate major. Interdepartmental Toxicology expects that its students will complete their degrees in a satisfactory and timely manner. However, there are several situations that may require severing the relationship between Toxicology and a student.

A student may be dismissed, that is, removed from their degree program and not permitted to register as a Toxicology student, for the following reasons:

a) Failure to progress satisfactorily in his/her degree program

This may be evidenced by a lack of research progress, failure to complete required components of the toxicology degree program by deadlines specified in this handbook, or a failure to maintain a satisfactory academic standing, as defined by the Iowa State University Graduate College Handbook.

b) Lack of a major professor

Because graduate degrees in Toxicology at Iowa State are centered about a mentored research project, it is impossible to complete a degree without a research mentor [major professor]. To maintain good standing and earn a degree in Toxicology, a student must have a Toxicology faculty member serving as his or her major professor.

A student admitted to Toxicology on rotation has up to 12 months from the date of entry into the program to find a faculty member willing to serve as his or her major professor (unless otherwise designated at the time of admission). If the student desires, the Toxicology Chair will help the student search for a major professor; however, final responsibility for finding a major professor rests with the student.

Occasionally, faculty who have previously agreed to serve as a major professor become unable or unwilling to serve. Faculty desiring to terminate their service as major professor may do so by notifying the student and the Toxicology Chair in writing. A student who has lost his or her major professor has up to three months after the date the Toxicology Chair is notified to identify another faculty member willing to serve. The Toxicology Chair will help the student search for a new major professor, if the student desires.

c). Academic dishonesty

The proper conduct of science requires the highest standards of personal integrity. Because of this, dishonesty in the classroom or in the conduct of research is considered a serious offense by Toxicology and by Iowa State University. Students accused of academic dishonesty will be dealt with according to the procedures outlined in the Iowa State University Catalog and the Faculty Handbook. Possible

punishments can include dismissal from the program and expulsion from the University, depending on the severity of the offense.

Dismissal Procedures:

A student's POS committee, or if the student has no POS committee, the student's major professor, temporary advisor, or a member of the Toxicology Supervisory Committee can recommend the dismissal of a student for any of the reasons listed above. Decisions for dismissal are made by the Toxicology supervisory Committee and acted upon by the Toxicology Chair.

Procedures for dismissal are as described in the Iowa State University Graduate College Handbook. Before a dismissal is decided, the Toxicology Chair must give the student a written justification for why dismissal is being considered. The Toxicology Chair must also discuss the situation with the student, as well as his or her POS committee, major professor, temporary advisor, and/or Supervisory Committee, in an attempt to find a satisfactory resolution. This discussion constitutes the "informal conference" as described in the Graduate College Handbook. If a satisfactory resolution cannot be reached and the Supervisory Committee votes to dismiss the student, either party may bring the issue to the attention of the Associate Dean of the Graduate College for a decision. The student may appeal the decision of the Associate Dean, as described in the Graduate College Handbook.

Responsibilities of Toxicology and the major professor: It is the responsibility of Toxicology to counsel students who are having academic difficulties, to help students search for an acceptable major professor, or if students are unable to overcome these difficulties, to help the students identify and apply to other appropriate degree programs. It is the responsibility of the major professor and his/her department to help the student seek funds for a student's assistantship and for the conduct of research.

Relationship between Status in Toxicology and Termination of Financial Support: Although students in Toxicology are normally supported on graduate assistantships, this is not a requirement for continued participation in Toxicology. Students not on assistantship will continue to have regular status in the major so long as they remain in good standing and are registered. However, because assistantship support at Iowa State University requires that a student be a member of a graduate program, dismissal from Toxicology requires that assistantship support be terminated, unless the student is able to transfer to another graduate program at ISU.

Students with any doubt about their assistantship status should discuss their situation with their major professor, the Toxicology Chair, and/or the department or program providing their assistantship support. For further information on termination of assistantship appointments, see the Graduate College Handbook.

Appeal Process:

Iowa State University has established appeal processes for student grievances. These vary depending on the nature of the grievance and are described in the Graduate Handbook. Generally, these procedures begin with the program chair or the appropriate department DEO. It is usually best for all parties if a satisfactory resolution can be reached without initiating a formal appeal process. The Associate Dean of the Graduate College is available to informally consult with students and faculty.

Student Services

Selected Student Services can be located here:

Crisis Services through Student Counseling Services: If you have an urgent matter and feel it would be important to speak to a counselor as soon as possible, please call the SCS desk at 294-5056 and let the receptionist know that you are requesting a same-day crisis appointment or simply come to the office in the Student Services Building on the 3rd floor. SCS counselors save some appointments each day for such matters. If this is after hours or on a weekend/holiday when SCS is not open, and you feel it is important to speak to someone, you may call the Richmond Center at 515-232-5811. **IF THIS IS A LIFE-THREATENING SITUATION OR ONE THAT COULD RESULT IN HARM TO YOURSELF OR SOMEONE ELSE, CALL 911.**

Student Counseling: <https://www.counseling.iastate.edu> The mission of the Student Counseling Service (SCS) is to help students enhance their academic and personal well-being. The Student Counseling Service provides prevention, intervention, information, and referral services to Iowa State students. SCS also provides consultation and training to faculty and staff to assist them in addressing the psychological needs of students. Student Counseling Service (SCS) provides a wide range of services to help students gain the most from their college experience. SCS offers career counseling, personal counseling, group counseling, and workshops. Most services provided by SCS are short-term in nature, and SCS can assist students needing long-term assistance with referrals to community services. <https://www.counseling.iastate.edu> Some of the typical issues SCS assists students with include career decision-making, coping with relationship problems, low self-esteem, stress, loneliness, depression, cultural differences, sexual assault recovery, trauma, childhood abuse, conflicts over sexuality, substance abuse, eating disorders, academic motivation, and other concerns. Other services include the Substance Abuse Prevention Program, Career Resource Center, Learning Disabilities Screening, Biofeedback Center, Placement Testing, and consultation and outreach services. SCS also provides consultation and training to faculty and staff to assist them in addressing the psychological needs of students.

Dean of Students Office (DSO) and Student Assistance Services (SAS) Members of the Dean of Students Office (DSO) and Student Assistance Services (SAS) assist students as they manage issues surrounding academic concerns, personal matters/ emergencies, and navigation of university policies and procedures. DSO/SAS staff members counsel students on effective ways of filing academic grievances, refer students to university & community resources,

provide notification of faculty in emergency absence situations, intervene and follow up with students experiencing mental and physical crises, and provide assistance in understanding the University judicial system. In general, the DSO and SAS are places where students can find answers or start on the path to their own solutions. This website <http://www.dso.iastate.edu/> offers some information, but it may also be very helpful to talk one-on-one with a staff member. Student Assistance and Outreach staff are available to meet from 8am-5pm Monday through Friday. To schedule an appointment, stop in to the Dean of Students Office (1010 Student Services Building); or call the office at 515/294-1020 (TTY 515/294-6635).

Discrimination and Harassment Policy: <http://www.policy.iastate.edu/policy/discrimination/> Iowa State University prohibits discrimination, which can include disparate treatment directed toward an individual or group of individuals based on race, ethnicity, sex, pregnancy, color, religion, national origin, physical or mental disability, age (40 and over), marital status, sexual orientation, gender identity, genetic information, status as a U.S. Veteran (disabled, Vietnam, or other), or other protected class, that adversely affects their employment or education. For religion or disability, the law allows employees and students to request reasonable accommodations to continue their work or studies.

Iowa State University also prohibits harassment, which can be a form of discrimination if it is unwelcome and is sufficiently severe or pervasive and objectively offensive so as to substantially interfere with a person's work or education. Harassment may include, but is not limited to, threats, physical contact or violence, pranks, jokes, bullying, epithets, derogatory comments, vandalism, or verbal, graphic, or written conduct directed at an individual or individuals because of their race, ethnicity, sex, pregnancy, color, religion, national origin, physical or mental disability, age, marital status, sexual orientation, gender identity, genetic information, or U.S. veteran status. Even if actions are not directed at specific persons, a hostile environment may be created when the conduct is sufficiently severe or pervasive and objectively offensive so as to substantially interfere with or limit the ability of an individual to work, study, or otherwise to participate in activities of the university.

The Office of Equal Opportunity and Compliance (EOC) is located at 3280 Beardshear Hall. <https://www.eoc.iastate.edu> ISU defines diversity as that quality of its physical, social, cultural and intellectual environment which embraces the rich differences within the multiplicity of human expression and characteristics including age, culture, ethnicity, gender identification and presentation, language and linguistic ability, physical ability and quality, race, religion, sexual orientation, and socioeconomic status. "In order for affirmative action or diversity to work, there has to be an environment that welcomes it, not just tolerates it", **Carla R. Espinoza**, Associate Vice President, Human Resources Services, Director, Equal Opportunity & Diversity, January, 2006.

Other Steps to Consider for Completion of your degree

International rotation students complete OECT at end of 1st semester at Iowa State
Oral English Certification Test for purposes of being a Teaching Assistant
<https://cce.grad-college.iastate.edu/speaking/oect-for-itas/overview>
Take courses if appropriate to be certified as level 1 Teaching Assistant

Community and Life Resources; more to life than just academics

http://www.grad-college.iastate.edu/common/student_life/

Familiarize yourself with the Graduate College Handbook

<http://www.grad-college.iastate.edu/handbook/>

Graduate and Professional Student Senate

<http://www.grad-college.iastate.edu/handbook/chapter.php?id=8#8.3>

The Graduate and Professional Student Senate (GPSS) is a representative body that provides a formal channel for the expression of graduate student concerns and disperses significant funds derived from the graduate student activity fee. GPSS convenes at 7 p.m. in the Memorial Union on the last Monday of each month. Meetings are open to observers.

Add/Drop Slips

To add a course after the first week of classes you will need a ½ sheet yellow add/drop slip signed by all required individuals. This has to be walked around campus. Forms available in most departmental offices and outside of 2102 Molecular Biology

Checklists showing progress are turned in every year between Sept 1 and November 1.

Program Coordinator will send this form in late August - Not required of first year students

If the student changes labs/major/program/degree (i.e. Ph.D. to M.S. or M.S. to Ph.D.)
Transfer From One Major/Program/Department/Degree to Another

<http://www.gradcollege.iastate.edu/common/forms/files/Request To Transfer From One Major Program Department Certificate To Another.pdf>

Preparing Future Faculty for those interested in pursuing a teaching career In second year of MS or Ph.D. program

<http://www.celt.iastate.edu/graduate-students-postdocs/preparing-future-faculty/information-for-new-and-continuing-pff-participants>

Professional Ethics: Responsible Conduct in Research can be downloaded for free at the National Academies Press website:

http://www.nap.edu/catalog.php?record_id=12192

Seminars and Workshops on research, grant writing, special topics, English pronunciation and grammar, disciplinary writing, motivation, assessment

<Http://cce.grad-college.iastate.edu/>

Deadlines that affect when you can take your prelim or graduate

<http://www.grad-college.iastate.edu/calendar/>