

GRADUATE STUDENT MANUAL

Agricultural and Biological Engineering Department

Degrees through the College of Agricultural and Life Sciences

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Contact Information

Throughout this manual, references will be made to several people by their position names. The following is current contact information for those positions:

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Introduction

This Graduate Student Manual is for the use of graduate students and faculty in the Agricultural and Biological Engineering Department of the University of Florida. It contains policies, regulations, and suggestions to help make the student's graduate career mutually beneficial to the student and the department. Our department offers graduate degrees in two colleges, the Herbert Wertheim College of Engineering and the College of Agricultural and Life Sciences. This volume of the manual covers degrees offered through the College of Agricultural and Life Sciences.

Agricultural Operations Management (AOM) and Applied Science Master of Science degrees and Ph.D. degrees are offered through the College of Agricultural and Life Sciences. The CALS programs are for students who desire to advance their technical management skills through additional course work and graduate level research.

For students with basic science degrees, the Applied Science Masters and Ph.D. programs aim to produce graduates with strong capabilities in problem-solving, interdisciplinary research, and methods for applying science to real world problems and issues with emphases on (1) the use of engineering methods and approaches, such as mathematical modeling, optimization, and information technologies, in application of science to problems at various spatial and temporal scales, and (2) an interdisciplinary experience in research at the Ph.D. level.

The department offers a combination B.S. and M.S. degree program, which allows qualified students to earn both a Bachelor's degree and a Master's degree with a savings of one semester. Qualified students can begin their Master's program while a senior and count up to 12 hours of graduate courses for both Bachelor's and Master's degree requirements. Please check the undergraduate catalog or contact the graduate coordinator for qualifications and details.

The Graduate Catalog (The University Record, University of Florida, Graduate Catalog, <http://gradcatalog.ufl.edu/> contains additional applicable information. This department manual is intended to supplement rather than duplicate the *Graduate Catalog*. The student should rely on the *Graduate Catalog* as a final authority except where a more stringent requirement may be imposed by the college or department. The student may graduate under the requirements of any one catalog in effect during their enrollment. The requirements stated in the catalog constitute a contract between the university and the student.

An exception or exemption from the policies stated in this manual may, in certain cases, be appropriate. Requests for exception or exemption will be reviewed by the graduate committee when submitted in writing, after approval has been granted by the Supervisory Committee.

Admissions Policy

General

Admission to a Master's degree program requires a 3.00 upper division grade point average (GPA) (based on a 4.00 system) submission of scores from the Graduate Record Examination (GRE). The minimum requirements for admission into the Ph.D. degree program are a 3.00 upper division undergraduate GPA, 3.25 graduate GPA and submission of scores from the GRE. No student who has failed a Qualifying Exam or final graduate exam at another University of Florida department will be admitted for graduate study in the Agricultural and Biological Engineering Department.

International students whose native tongue is not English must submit TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) scores. A minimum score of 80 on the internet-based version, 213 on the computer-based or 550 on the paper-based TOEFL is required. The minimum score for the IELTS is 6.0. Conditional admission may be offered by the departmental graduate committee to students who do not satisfy the admission criteria including the cases of a deficiency in the GRE, TOEFL, IELTS or GPA requirements. A conditionally admitted student must meet the conditions set forth in his/her admission letter in order that subsequent registration may be allowed.

International students who have spent at least 1 academic year in a baccalaureate or post-baccalaureate degree program at a college or university in a country where English is the official language, are exempt from taking the TOEFL exam if their attendance was in the year immediately prior to UF admission. Students from countries where English is widely spoken are exempt from taking the TOEFL exam. A list of exemptions is on the Graduate School's web site: <https://admissions.ufl.edu/apply/international/countries.html>.

The entire application packet of students is considered when admission decisions are made; however, the GRE Score is a factor in most admission decisions. English is not the first language of many of our graduate students, so Verbal GRE scores

of our current CALS graduate students range from 140 to 168. Quantitative GRE scores of students currently enrolled in master's programs in the CALS range from 148 to 161 with an average of 150. Quantitative GRE scores of students currently enrolled in Ph.D. programs in the CALS range from 151 to 168 with an average of 157.

The deadlines for applying for admission to the ABE graduate program are December 5th for applications for the Fall semester and July 15th for applications for the Spring semester. All scores and materials must be received by the stated deadline. Apply as soon as possible to receive full consideration for assistantships and fellowships. Students submitting by December 5th will be considered for funding in the following Fall semester. *Note that departmental funding is generally awarded to highly qualified students beginning their graduate program in the Fall semester.*

Admission to the AOM Master of Science program in the College of Agricultural and Life Sciences requires a B.S. degree in Agricultural Operations Management or an equivalent undergraduate program. Students who do not have an undergraduate Agricultural Operations Management degree or equivalent and desire a Master of Science degree in the College of Agricultural and Life Sciences must complete equivalent requirements through articulation (see [Appendix B](#)).

Admission to the Applied Science M.S. program requires a B.S. degree in a basic science field with courses including analytic geometry, biology, calculus, differential equations, 8 credits of general physics and 8 credits of general chemistry, or equivalent. If these requirements are not already met, the student must articulate to meet them.

Admission to the AOM Ph.D. program requires a B.S. degree in AOM or a related discipline. Students who do not have an undergraduate Agricultural Operations Management degree or equivalent and desire a Ph.D. degree in AOM through the College of Agricultural and Life Sciences must complete equivalent requirements through articulation (see [Appendix B](#)).

Admission to the Applied Science Ph.D. program requires a B.S. degree in a basic science field and a master's degree in a science or engineering field with courses including analytic geometry, calculus, differential equations, 8 credits of general physics and 8 credits of general chemistry, or equivalent. If these requirements are not already met, the student must articulate to meet them.

Exemptions to specific equivalent articulation courses listed in [Appendix B](#) may be petitioned by the student's advisor or chair. The petition must include a detailed justification for requesting the course exemption and must go through the ABE Graduate Committee for review and the department Chair for final approval. For more information [see the exemption form in the ABE Admin Resources web page](#).

Post-baccalaureate study

Post-baccalaureate study is for students who have already received a Bachelor's degree from an accredited institution. Students interested in post-baccalaureate study typically take undergraduate courses to fulfill requirements for professional school, teacher certification, prerequisites for graduate study, or licensure/certification. Because UF has limited space available for post-baccalaureate studies, applicants should communicate intentions with their proposed department before applying. Applicants will be considered on an individual basis.

Post-baccalaureate admission differs from standard graduate admissions. In the post-baccalaureate application process, the Office of Admissions must complete the following review before your application is referred to our department:

- Validation of transcripts and degrees
- Receipt of official test scores from the testing agency
- Determination of satisfactory conduct record
- Application fee payment of \$30

The Office of Admissions cannot forward an application to a post-baccalaureate program to the department until all materials and transcript(s) have been received.

B.S./M.S. Combination Degree Program

ABE offers a combination B.S./M.S. degree through which up to 12 credits of graduate courses may be double-counted toward credit fulfillment of the [B.S. and M.S. degrees](#). To qualify, the following requirements must be met:

1. Senior status (4AG)
2. Minimum upper division GPA of 3.3
3. Completion of 20 credit hours of courses required for the AOM Bachelor's Degrees
4. Acceptable Verbal, Quantitative and Analytical Writing GRE Scores

Replacement of elective credit within the B.S. option should be considered first, although it may be possible to substitute required AOM courses with approved graduate courses. The AOM Undergraduate Coordinator must approve such substitutions. Please check the undergraduate catalog or contact the AOM Undergraduate Coordinator for qualifications and details.

Semester Evaluation Process and Individual Development Plan (IDP)

Each graduate assistant will be evaluated by his/her faculty advisor based upon performance of assigned duties; compliance with department requirements such as maintenance of office hours, regular visits with faculty advisor, academic progress; and meeting the requirements of the Supervisory Committee, department, college, and graduate school relating to the timely execution of required documents such as plan of study, Supervisory Committee appointment form, etc. Evaluation forms can be accessed on the ABE website at <https://abe.ufl.edu/graduate/resources/>. Graduate students are encouraged to discuss this process with their advisor.

All Ph.D. students will be required to create and update an IDP on an annual basis, in consultation with their advisors. M.S. students may be asked to complete an IDP at the discretion of their advisor. The IDP is intended to be a working document, to guide new and continuing Ph.D. students in identifying, pursuing, and meeting their professional and personal goals. The IDP is found on each student's Canvas e-learning page. Assignments should be completed in a timely manner. Students working on their Individual Development Plan are encouraged to access this CALS web site (<https://cals.ufl.edu/current-students/studentresources/idp/>). There they will find specific resources to help them gain skills in the IDP core competencies of Research Skills & Knowledge, Communication, Management and Leadership Skills, Effectiveness/Purpose, Professionalism, and Career Advancement.

More information on UF IDP policies can be accessed at <http://graduateschool.ufl.edu/faculty--staff/resources/individual-development-plan-idp-policy/>.

Academic Advisor and Supervisory Committee

Most students will be admitted only after a faculty advisor has been identified to serve as Major Professor and Chair of the student's Supervisory Committee. Students receiving external funding (example: NSF Fellowship) must select an advisor by the end of the first semester. Prospective students are encouraged to contact ABE faculty in their area of interest. In addition to the advisor, the student is required to have a Supervisory Committee consisting of approved graduate faculty members. The advisor will serve as Supervisory Committee Chair. Purposes of the student's Supervisory Committee are: 1) to guide, inform, and counsel the student; 2) to discuss and approve a plan of study; 3) to discuss and approve a thesis or dissertation topic and research project proposal; 4) to review progress and provide advice during the student's research; and 5) to conduct the qualification (for Ph.D. students) and final examinations.

For a Master's degree program, the Supervisory Committee must consist of:

- no fewer than 3 members
- 2 members who are full-time permanent faculty members of the ABE graduate faculty
- 1 member from outside the ABE department

For a Ph.D. degree program, the Supervisory Committee must consist of:

- no fewer than 5 members.
- at least 2 members who are full-time permanent faculty members of the ABE graduate faculty
- 1 external member (as described below)

All committees are required to have an external member who is a member of the graduate faculty of another University of Florida department. Faculty members of other departments who are affiliate members of the ABE department cannot serve as the external member required by the Graduate School. **Faculty members from other universities cannot serve as the external member required by the Graduate School.**

Students are encouraged to develop a close working relationship with their advisor and Supervisory Committee members and to communicate academic and department interests and concerns to them. Each student should schedule at least a one-hour meeting with his/her advisor each week to insure adequate communication.

An effective graduate degree program requires that course work, research and assistantship duties all reinforce the student's educational objectives. To facilitate this coordination, the Supervisory Committee should be formulated and submitted to the

departmental graduate committee for approval as listed ([see Appendices E and F](#)). **A registration hold will be placed on all students not completing their committee as required.**

Masters students should submit a Supervisory Committee by the end of their 2nd semester of study. Ph.D. students should submit a Supervisory Committee by the end of their 3rd semester of study.

Plan of Study

Each plan of study is unique to the individual student and should meet the student's goals and career objectives as well as to being cohesive and concentrated in an area of study. Graduate students and their Supervisory Committees are expected to complete a plan of study by the designated time ([see Appendices E and F](#)). A plan of study must be submitted to the graduate committee no later than the end of the 2nd semester of study for master's and by the end of the 3rd semester of study for Ph.D. students. Each student's plan of study must satisfy all requirements of the Graduate School and the Department as stated in the *Graduate Catalog* and this manual. **A registration hold will be placed on all students not completing their plan of study as required.**

Graduate credit is awarded for courses numbered 5000 and above. The work in the major field must be in courses numbered 5000 or above. For work outside the major, courses numbered 3000 or above, not to exceed 6 credits, may be taken provided they are part of an approved plan of study. None of the courses below the 5000 level with an ABE, AOM or PKG prefix may be used toward meeting the minimum requirements. Courses in the Agricultural and Biological Engineering Department below the 5000-level and courses required for undergraduate degrees should be included on a plan of study as articulation courses in excess of the minimum requirements.

The required Supervisory Committee and plan of study templates are available on the department's website <https://abe.ufl.edu/graduate/resources/>. After a plan of study has been approved by the student's Supervisory Committee, a copy with the signature of the student's advisor must be provided to the Staff Academic Advisor for submission to the departmental graduate committee representative for final approval.

Since a Supervisory Committee and plan of study are formulated early in the program, it is likely that a student may wish to change a plan of study, committee, or even an advisor. There should be no hesitancy to make changes that are recognized to be educationally sound. If it becomes necessary to amend an approved plan of study, changes must be approved by the Supervisory Committee chair and the departmental graduate committee representative.

Non-Thesis Master's Degree Option

Ph.D. students can obtain a non-thesis Masters if they have completed 30 or more hours of coursework that satisfies the math/quantitative, seminar, supervised teaching, and the 15-hour Major course requirements of their college. The non-thesis Master's program requires a Supervisory Committee and plan of study. The Supervisory Committee and plan of study must be approved by the Graduate Committee no later than the semester prior to the term in which the degree is awarded. Students must be registered in **3 hours of graduate level coursework** related to the M.S. degree during the semester of graduation (2 hours in summer). Students may not be registered only in Ph.D. research.

Transfer of Credit

Courses taken as a Graduate Student at another institution:

Courses open only for graduate credit (5000 and above) earned with a grade of A, A-, B+, or B may be transferred from an institution approved for this purpose by the Graduate School. Acceptance of transfer credit requires approval of the student's Supervisory Committee Chair or the Graduate Coordinator, the college dean, and the Graduate School. Transfer of credit may be considered from course work taken after completion of the undergraduate degree. Transfer coursework must be taken within the 7 years immediately preceding the date that the degree is to be awarded. Courses with "P" or "S" grading cannot be transferred. Transfer hours cannot be split (e.g., 9 hours taken, 8 transferred). A maximum of 9 credit hours may be transferred under the above guidelines as part of a master's program.

For Ph.D. programs, a maximum of 24 course credits and a maximum of 6 research credits can be transferred from a Master's program into the Ph.D. plan of study. The course credits transferred must be appropriate to the Ph.D. and be an integral part of the student's plan of study. Follow the procedure below for transfer of credit. An **official final** transcript from the previous institution(s) must be on file with the UF Admissions Office.

For a Ph.D. program, a maximum of 15 credit hours beyond the Master's degree taken at an institution offering the doctoral degree may be transferred in addition to the 30 credit hours allowed for the Master's degree.

Courses taken as an Undergraduate Student at UF:

University of Florida undergraduates who subsequently enroll in Graduate School may transfer a maximum of 15 credits of 5000 or 6000 level courses, earned with a grade of A, A-, B+, or B, taken as an undergraduate, provided (1) the courses to be transferred are in excess of the undergraduate degree requirements, and (2) the student had a 3.0 GPA at the time the courses were taken.

Courses taken as a Graduate Student at UF:

For Ph.D. programs, a maximum of 24 course credits and a maximum of 6 research credits can be transferred from a master's program into the Ph.D. plan of study. The course credits transferred must be appropriate to the Ph.D. and be an integral part of the student's plan of study.

For a Ph.D. program, a maximum of 15 credit hours beyond the master's degree taken at UF may be transferred in addition to the 30 credit hours allowed for the master's degree.

Transfer of Credit Request:

If a student meets all requirements, the student must submit the [ABE Transfer Credit Request Form](#) to the Staff Academic Advisor to begin the process. *An official, final transcript of the student's Master's program must be on file at the UF admissions office or the transfer of credit will not be processed.*

All courses to be transferred must be graduate-level, letter-graded with a grade of B or better and must be demonstrated to relate directly to the degree being sought. All such transfer requests must be made no later than the third term of Ph.D. study. *Note that transfer of credit (or TOC) requests will take several months to process and may take up to 8 months for credit transfers from accredited international institutions.*

The total number of credits (including 30 for a prior master's degree) that may be transferred cannot exceed 45, and in all cases the student must complete the qualifying examination at the University of Florida. In addition, any prior graduate credits earned at UF (e.g., a master's degree in the same or a different discipline) may be transferred into the doctoral program at the discretion of the Supervisory Committee and by petition to the Graduate School. **The petition must show how the prior course work is relevant to the current degree.**

Concurrent Graduate Programs:

ABE students interested in pursuing a second master's degree from another department or pursuing a second master's degree from the ABE Department (ABE or AOM) concurrently must obtain written approval from each academic unit and the Graduate School Dean. The student must be officially admitted to both programs through regular procedures. No more than 9 credits from the first program may be applied toward the second. Contact the academic unit(s) for details.

Students currently enrolled in a graduate degree in another department at UF can pursue a concurrent master's degree in the ABE Department. Students must apply for admission to the ABE graduate program and be admitted. Students must fill out and obtain appropriate signatures on the Graduate School Concurrent Degree Program Form <http://graduateschool.ufl.edu/media/graduate-school/pdf-files/concurrent-degree-program-form.pdf>

Time Limitation

All work, including transferred credits, counted toward the master's degree must be completed during the 7 years immediately preceding the date on which the degree is awarded. All master's degrees counted in the minimum course requirements for a Ph.D. degree must have been earned in the last 7 years.

Research Project Proposal

Ph.D. and Master's students (thesis option) are expected to develop a research proposal for approval by their Supervisory Committee. The research proposal serves as a guideline for the student's research program. All graduate research projects are expected to include both analytical and experimental components. Electronic copies should be sent to each member of the Supervisory Committee.

Graduate students are expected to submit an initial research proposal to their Supervisory Committee Chair ([see Appendices E and F](#)) no later than the end of the 2nd semester of study for Master's and by the end of the 3rd semester of study for Ph.D.

students This initial proposal should identify the research topic, state the proposed objective of the research project and present a time line for the student's graduate program:

1. Cover page with proposed thesis or dissertation topic or title, student's name, degree objective, and names of Supervisory Committee members. The cover page must be signed by the Supervisory Committee Chair indicating approval of the proposed research by all of the Supervisory Committee members.
2. Objectives - should be concise and logical.
3. Timetable - should indicate anticipated deadlines for completing various aspects of the research project.

Requirement	Semester	Year
Admission to ABE Graduate Program		
Completion of Coursework		
Qualifying Exam (for Ph.D. students)		
Final Exam		
Expected Graduation Date		
End of Assistantship Funding (<i>as stated on original Letter of Offer</i>)		

The initial research proposal should be brief (1-2 pages text, plus 1 page for timetable). The student should continue to develop the initial research proposal into a full research proposal under the guidance of the student's Supervisory Committee.

Requirements for Agricultural Operations Management Master of Science Degree

Admission to the AOM Master of Science program in the College of Agricultural and Life Sciences requires a B.S. degree in Agricultural Operations Management or an equivalent undergraduate program ([see Appendix B](#)). Students who do not have an undergraduate Agricultural Operations Management degree or equivalent and desires a Master of Science degree in the College of Agricultural and Life Sciences must complete equivalent requirements through articulation. Articulation courses do not count toward the 30 credit hours required for the master's program of study.

Each plan of study for an AOM Master of Science degree with thesis in the College of Agricultural and Life Sciences must have a minimum of 24 course credits plus up to 6 hours of thesis research, for a total of 30 hours. The plan of study must include a minimum of 12 combined credits of AOM, ABE or PKG courses at the 5000 level or higher (Non-Thesis programs must include 15 hours of departmental coursework) and a minimum of 3 credits of data analytics at the 5000 level or above. *(Students wishing to use credit from a graduate data analytics course not listed in the ABE Graduate Manual (Appendix C) or from another institution must provide a copy of the detailed syllabus with topics for approval by the ABE Graduate Committee).*

A Master's degree with thesis must include a minimum of 3 credits of thesis research (ABE 6971). Additional thesis research credits may be taken to meet minimum registration requirements; however, the additional credits will not count toward meeting the credit requirements of the degree. **Students are required to take research credits during their semester of graduation (3 in Fall/Spring, 2 in Summer).** Graduate credit is awarded for courses numbered 5000 and above. The work in the major field must be in courses numbered 5000 or above. *Data analytics courses and courses in the minor field cannot be substituted for departmental major courses (ABE/AOM/PKG).* For work outside the major, courses numbered 3000 or above, not to exceed 6 credits, may be taken provided they are part of an approved plan of study.

A maximum of 3 credits of AOM/ABE/PKG 6905 may be applied toward the minimum requirements for any single Master's degree. These credits will be considered for approval only when a description of the course content is filed with the plan of study. The student must obtain advisor approval before taking the course.

Master's students are required to include one hour of ABE6940 in their Plans of Study. Master's students are allowed to take a maximum of 3 credits of supervised teaching (ABE 6940). Typically, 30-40 hours of work is required to support 1 hour of supervised teaching. Students will be placed in assignments that best fulfill the needs of the ABE Department with priority given to undergraduate courses with significant enrollments or graduate courses with a minimum of 10 students. Exceptions must be approved by the ABE Department Chair. *All graduate students are required to take the [on-line FERPA training \(UF_PRV802_OLT\)](#) prior to enrollment in ABE6940.*

Students entering an ABE Graduate program in Fall 2017 and beyond must also complete the core activities portion of <http://teach.ufl.edu/teaching-assistants/> prior to registering for credits in ABE6940.

Nonthesis Option

AOM Master's degree students may choose a nonthesis 30 credit coursework only degree option. Normally, graduate assistantships will not be available to students pursuing nonthesis degrees. The nonthesis plan of study must include a minimum of 15 credits of major courses at the 5000 level or above that defines a meaningful, integrated area of academic concentration. Students may include a design or analysis project in their plan of study by enrolling in a maximum of 3 credits of AOM/PKG/ABE 6905.

All students pursuing nonthesis degrees are required to present a written or oral final exam presentation to their Supervisory Committee in the final semester of their graduate program. The topic should be related to the student's area of interest.

Major Area

The plan of study must include a minimum of 12 credits (15 credits for a nonthesis degree) of departmental ABE, PKG or AOM major courses at the 5000 level or above that defines a meaningful, integrated area of academic concentration (excluding ABE 6910 and ABE 6971). One hour of seminar (ABE 6931) and one hour of Supervised Teaching (ABE6940) is to be included in the major.

Minor Area (optional)

A minor consists of a minimum of 6 hours of course work in a focused area related to the field of major study. Course work in the minor for the master's degree is not limited to the course offerings of one department, provided that the minor has a clearly stated objective. The combination of courses selected for the minor must be planned as part of the plan of study. A graduate faculty member, who clearly represents the interdisciplinary minor, must be included on the Supervisory Committee, and approve the coursework for the minor. If a minor is included as part of the plan of study, then no courses from the department of the minor can be included in the major.

Requirements for Applied Science Master of Science Degree

For students with basic science B.S. Degrees, the Applied Science M.S. Program through the College of Agricultural and Life Sciences aims to produce graduates with strong capabilities in problem-solving, interdisciplinary research, and methods for applying science to real world problems and issues with emphasis on the use of engineering methods and approaches, such as mathematical modeling, optimization, and information technologies in application of science to problems at various spatial and temporal scales.

Admission to the Applied Science M.S. Program requires a B.S. Degree in a basic science field with courses including analytic geometry, calculus, differential equations, 8 credits of general physics and 8 credits of general chemistry, or equivalent. If these requirements are not already met, the student must articulate to meet them. ([See Appendix B](#)). Articulation courses do not count toward the 30 credit hours required for the master's program of study.

Each plan of study for an Applied Science Master of Science degree in the College of Agricultural and Life Sciences must include 30 hours. Thesis degrees must have a minimum of 24 course credits plus up to 6 hours of thesis research, for a total of 30 hours. The plan of study must include a minimum of 12 combined credits of AOM, ABE or PKG courses at the 5000 level or higher.

Requirements for a Master's degree with thesis must include a minimum of 3 credits of thesis research (ABE 6971). **Students are required to take research credits during their semester of graduation (3 in Fall/Spring, 2 in Summer).** Additional thesis research credits may be taken to meet minimum registration requirements; however, the additional credits will not count toward meeting the credit requirement of the degree. Graduate credit is awarded for courses numbered 5000 and above. The work in the major field must be in courses numbered 5000 or above. *Courses in the minor field cannot be substituted for departmental major courses (ABE/AOM/PKG).* For work outside the major, courses numbered 3000 or above, not to exceed 6 credits, may be taken provided they are part of an approved plan of study.

Plans of study for thesis and non-thesis Applied Science Master of Science degrees must include a minimum of 9 credit hours of quantitative courses including mathematics at the 5000 level or above; engineering, modeling, simulation, and

optimization methods; and statistics and/or probability. These quantitative courses must include 3 credits selected from the approved list of math or data analytics courses in [Appendix C](#). *(Students wishing to use credit from a graduate statistics or math course not listed in the ABE Graduate Manual or from another institution must provide a copy of the syllabus for approval by the ABE Graduate Committee).*

The remaining 6 hours of quantitative courses may be selected from other courses in [Appendix C](#) or the example list in [Appendix D](#) or other similar courses. Beyond the 9-credit minimum quantitative course requirement, students should take additional math, information technology, systems analysis, optimization, microbiology, biology, chemistry, ecology, etc. as appropriate.

A maximum of 3 credits of AOM/ABE/PKG 6905 may be applied toward the minimum requirements for any single Master's degree. These credits will be considered for approval only when a description of the course content is filed with the plan of study. The student must obtain advisor approval before taking the course.

Master's students are required to include one hour of ABE6940 in their Plan of study. Master's students are allowed to take a maximum of 3 credits of supervised teaching (ABE 6940). Typically, 30-40 hours of work is required to support 1 hour of supervised teaching. No ABE 6910 (supervised research) credits are allowed on the master's degree with thesis plan of study. Students will be placed in assignments that best suit the needs of the ABE Department. *All graduate students are required to take the [on-line FERPA training \(UF_PRV802_OLT\)](#) prior to enrollment in ABE6940.*

Students entering an ABE Graduate program in Fall 2017 and beyond must also complete the core activities portion of <http://teach.ufl.edu/teaching-assistants/> prior to registering for credits in ABE6940.

Nonthesis Option

Applied Science Master's degree students may choose a nonthesis 30 credit coursework only degree option. Normally, graduate assistantships will not be available to students pursuing nonthesis degrees. The nonthesis plan of study must include a minimum of 15 credits of major courses at the 5000 level or above that defines a meaningful, integrated area of academic concentration. Students may include a design or analysis project in their plan of study by enrolling in a maximum of 3 credits of AOM/PKG/ABE6905.

All students pursuing nonthesis degrees are required to present a written or oral final exam presentation to their Supervisory Committee in the final semester of their graduate program. The topic should be related to the student's area of interest.

Major Area

The plan of study must include a minimum of 12 credits (15 credits for a nonthesis degree) of departmental ABE, PKG or AOM major courses at the 5000 level or above that defines a meaningful, integrated area of academic concentration (excluding ABE 6910 and ABE 6971). One hour of seminar (ABE 6931) and one hour of Supervised Teaching (ABE 6940) is to be included in the major.

Minor Area (optional)

A minor consists of a minimum of 6 hours of course work in a focused area related to the field of major study. Course work in the minor for the Master's degree is not limited to the course offerings of one department, provided that the minor has a clearly stated objective. The combination of courses selected for the minor must be planned as part of the plan of study. A graduate faculty member, who clearly represents the interdisciplinary minor, must be included on the Supervisory Committee, and approve the minor coursework. ABE students cannot obtain minors in Packaging Science or Agricultural Operations Management. If a minor is included as part of the plan of study, then no courses from the department of the minor can be included in the major.

Requirements for the AOM Doctor of Philosophy Degree

Admission to the AOM Ph.D. program requires a B.S. or M.S. degree in AOM or related agricultural management discipline (see [Appendix B](#)). Students who do not have an undergraduate or Master's degree in Agricultural Operations Management or equivalent and desire a Ph.D. degree in AOM through the College of Agricultural and Life Sciences must complete

equivalent requirements through articulation. Articulation courses do not count toward the 54 credit hours of coursework required for the Ph.D. program of study.

The AOM Ph.D. degree in the College of Agricultural and Life Sciences is an advanced degree in technical management. It emphasizes managerial, quantitative techniques, and technologies as applied to agricultural business and operations management. A Ph.D. degree plan of study is based on all work completed beyond the B.S. degree, with a required minimum of 54 course work credits and a total of 90 credits including research credits. **Students are required to take research credits during their semester of graduation (3 in Fall/Spring, 2 in Summer).** Graduate credit is awarded for courses numbered 5000 and above. The work in the major field must be in courses numbered 5000 or above. *Courses in the minor field cannot be substituted for departmental major courses (ABE/AOM/PKG).* For work outside the major, courses numbered 3000 or above, not to exceed 6 credits, may be taken provided they are part of an approved plan of study. The plan of study must include concentrations in the Quantitative Area, and the Operations, Systems and Managerial Area. Each plan of study must include courses from the following groups:

Quantitative Area (9 hours minimum)

All Ph.D. students must achieve a level in mathematics equivalent to survey of calculus (MAC 2233). All students must include in their plan of study at least 9 hours of the following statistics courses or their equivalent:

STA 6166 (3) Statistical Methods in Research I
STA 6167 (3) Statistical Methods in Research II
STA 6207 (3) Applied Statistical Methods
STA 6208 (3) Regression Analysis
STA 6208 (3) Basic Design and Analysis of Experiments
STA 5856 (3) Applied Time Series Methods

Operations, Systems and Management Area (9 hours minimum)

ABE 5643C (3) Biological and Agricultural Systems Analysis
ABE 5646 (3) Biological and Agricultural Systems Simulation
ACG 5005 (2) Financial Accounting
ACG 5065 (3) Financial and Managerial Accounting
AEB 6106 (3) Microeconomic Principles and Analysis
AEB 6183 (3) Agribusiness Risk Management
AEB 7184 (3) Production Economics
AOM 5334C (3) Agricultural Chemical Application Technology
AOM 5435 (3) Advanced Precision Agriculture
AOM 6061 (3) Advanced Agri-food Systems Innovation
CAP 5416 (3) Computer Vision
EIN 6357 (3) Advanced Engineering Economy
ESI 6417 (3) Linear Programming and Network Optimization
ISM 5021 (3) Information Systems in Organizations
PKG 5003 (3) Advanced Distribution & Transport Packaging
PKG 5006 (3) Advanced Packaging Principles
PKG 6100 (3) Advanced Computer Tools for Packaging
MAN 5245 (3) Organizational Behavior
MAN 6724 (3) Strategic Management
MAR 6508 (3) Customer Analysis
MAR 6833 (3) Product Development and Management

A maximum of 3 credits of AOM/ABE/PKG 6905 may be applied toward the minimum requirements for any single Ph.D. degree. These credits will be considered for approval only when a description of the course content is filed with the plan of study. The student must obtain advisor approval before taking the course.

Ph.D. students are required to include a minimum of three hours of Supervised Teaching (ABE 6940) in their Plan of study. A maximum of 5 credits of supervised teaching (ABE 6940) may be included in the student's plan of study. This maximum limit cannot be waived, and it applies to the entire graduate career. Typically, 20 to 30 hours of work is required to support 1 hour of supervised teaching. Students will be placed in assignments that best suit the needs of the ABE Department. *All graduate students are required to take the [on-line FERPA training \(UF_PRV802_OLT\)](#) prior to enrollment in ABE6940.*

Students entering an ABE Graduate program in Fall 2017 and beyond must also complete the core activities portion of <http://teach.ufl.edu/teaching-assistants/> prior to registering for credits in ABE6940.

The plan of study can include 6 hours of research credit transferred from the Master's degree. Additional dissertation research credits may be taken to meet minimum registration requirements. No student can enroll for dissertation research credits (ABE 7980) before passing the qualifying examination. Students may enroll in ABE7979 prior to passing the qualifying exam.

Major Area

The plan of study must include a minimum of 18 credits of ABE, AOM or PKG credits (excluding ABE 6910, ABE 6971, ABE 7979, and ABE 7980) at the 5000 level or above that defines a meaningful, integrated area of academic concentration. Students who fulfilled the ABE6931 Seminar requirement during an ABE Master's program are not required to take it again. A maximum of 3 hours of ABE6940 may be counted toward the 18 hours of ABE required coursework.

Minor Area (optional)

For the Ph.D. degree, a minimum of 12 credits at the 5000 level or higher is required for a minor in a certain department or program area as approved by the minor department or program area representative(s) on the Supervisory Committee. If two minors are selected, then each minor must consist of at least 8 credits. Course work in the minor is not limited to the course offerings of one department, provided that the minor has a clearly stated objective. The combination of courses selected for the minor needs to be as part of the plan of study. A graduate faculty member must be included on the Supervisory Committee who clearly represents the interdisciplinary minor and must approve the minor coursework.

Requirements for the Applied Science Doctor of Philosophy Degree

Admission to the Applied Science Ph.D. program requires a B.S. degree in a basic science field or a Master's degree in a science or engineering field with courses including analytic geometry, calculus, differential equations, 8 credits of general physics and 8 credits of general chemistry, or equivalent. If these requirements are not already met, the student must articulate to meet them ([See Appendix B](#)). Articulation courses do not count toward the 54 credit hours of coursework required for the Ph.D. program of study.

The Applied Science Ph.D. degree in the College of Agricultural and Life Sciences is an advanced degree providing training in problem solving capabilities, interdisciplinary research, and methods for applying science to real world problems and issues with emphases on (1) the use of engineering methods and approaches, such as mathematical modeling, optimization, and information technologies, in application of science to problems at various spatial and temporal scales, and (2) an interdisciplinary experience in research at the Ph.D. level.

A Ph.D. degree plan of study is based on all work completed beyond the baccalaureate, with a required minimum of 54 course work credits and a minimum total of 90 credits including research credits. **Students are required to take research credits during their semester of graduation (3 in Fall/Spring, 2 in Summer).** Graduate credit is awarded for courses numbered 5000 and above. The work in the major field must be in courses numbered 5000 or above. *Courses in the minor field cannot be substituted for departmental major courses (ABE/AOM/PKG).* For work outside the major, courses numbered 3000 or above, not to exceed 6 credits, may be taken provided they are part of an approved plan of study. The plan of study must include a minimum of 12 credit hours of quantitative courses including 3 hours of graduate level mathematics including engineering, modeling, simulation, and optimization methods; and data analytics and/or probability. These quantitative courses must include 3 credits selected from the approved list in [Appendix C](#). The remainder of the 12-credit minimum quantitative courses may be selected from the example list in [Appendix D](#) or other similar courses.

Beyond the 12-credit minimum quantitative course requirement, students should take additional math, information technology, systems analysis, optimization, microbiology, biology, chemistry, ecology, etc. as appropriate. Students are encouraged to include interdisciplinary discussion group courses in their plan of study. This will provide students the opportunity to interact with faculty and students whose research contributes to solutions of complex problems and gain experience in working across disciplinary boundaries. The student is encouraged to have at least two committee members from other disciplines and from other institutions where there is strength in the chosen research area when feasible.

A maximum of 3 credits of AOM/ABE/PKG 6905 may be applied toward the minimum requirements for any single Master's degree. These credits will be considered for approval only when a description of the course content is filed with the plan of study. The student must obtain advisor approval before taking the course.

Ph.D. students are required to include a minimum of three hours of Supervised Teaching (ABE 6940) in their plan of study. A maximum of 5 credits of supervised teaching (ABE 6940) may be included in the student's plan of study. This maximum limit cannot be waived, and it applies to the entire graduate career. Typically, 20 to 30 hours of work is required to support 1 hour of supervised teaching. Students will be placed in assignments that best fulfill the needs of the ABE Department with priority given to undergraduate courses with significant enrollments or graduate courses with a minimum of 10 students. Exceptions must be approved by the ABE Department Chair. *All graduate students are required to take the [on-line FERPA training](#) (UF_PRV802_OLT) prior to enrollment in ABE6940.*

Students entering an ABE Graduate program in Fall 2017 and beyond must also complete the core activities portion of <http://teach.ufl.edu/teaching-assistants/> prior to registering for credits in ABE6940.

The plan of study may include a maximum of 36 credit hours of dissertation research including up to 6 hours of research credit transferred from the Master's degree. Additional dissertation research credits may be taken to meet minimum registration requirements; however, the additional credits will not count toward meeting degree requirements. Prior to passing the qualifying exam students will register for ABE7979. Students will enroll for ABE7980 after passing the Ph.D. qualifying examination.

Major Area

The plan of study must include a minimum of 18 credits of ABE, AOM or PKG credits (excluding ABE 6910, ABE 6971, ABE 7979, and ABE 7980) at the 5000 level or above that defines a meaningful, integrated area of academic concentration. Students who fulfilled the ABE6931 Seminar requirement during an ABE Master's program are not required to take it again. A maximum of 3 hours of ABE6940 may be counted toward the 18 hours of ABE required coursework.

Minor Area (optional)

For the Ph.D. degree, a minimum of 12 credits at the 5000 level or higher is required for a minor in a certain department or program area as approved by the minor department or program area representative(s) on the Supervisory Committee. If two minors are selected, then each minor must consist of at least 8 credits. Course work in the minor is not limited to the course offerings of one department, provided that the minor has a clearly stated objective. The combination of courses selected for the minor needs to be as part of the plan of study. A graduate faculty member must be included on the Supervisory Committee who clearly represents the interdisciplinary minor and must approve the minor coursework.

Grade Point Requirements for Graduation

The appropriate grade point requirements for graduation are:

1. A minimum 3.00 GPA in all graduate level courses at the University of Florida.
2. A minimum 3.00 GPA in all courses that comprise the major (ABE, PKG and AOM courses).

Registration

Registration for course work each term is the responsibility of the student. Course registration should conform to the student's plan of study, and the minimum and maximum hours of registration as stated in the Graduate School Catalog (under General Regulations). Course selection for each term should be made in close consultation with the advisor. A student must be registered for an appropriate load during the term in which he/she graduates ([see Table 1](#)). Students not registered by the end of the Drop/Add period each semester must be dropped from their assistantship or fellowship.

Students who neglect to register on time will be responsible for personally paying the late registration fee. The ABE department WILL NOT pay this fee for students out of departmental funding.

Graduate Assistants: The full-time registration requirement is reduced for students who are graduate assistants, based on the appointment's FTE. The most common assistantships have an FTE of 0.25 to 0.74 and require the following registration: 9 credits for fall and 9 credits for spring. Summer A appointees must be registered for 3 credits, and Summer B appointees

must be registered for 3 credits. For students on appointment for Summer C, registration must equal 6 credits. [Table 1](#) provides additional details regarding appropriate registration for various circumstances.

Students on appointment are financially liable for credits in excess of the required number. If a student on appointment drops below the required registration at any time in the semester, the student becomes financially liable for the entire registration. Students who do not register properly are not permitted to remain on appointment.

Dropping Courses

The Graduate School has no rigid policy concerning graduate students dropping courses other than each graduate student must maintain a minimum registration in order to continue receiving assistantship or fellowship support. After the normal drop/add period, each request to drop a course must be approved by the chair of the student's Supervisory Committee. International students may need clearance from the UF International Center to process a late drop/add. Instructor permission may be required to add a course after the drop/add period.

After Drop/Add, students must petition their graduate department for all schedule changes, which are then reviewed and processed by the College of Agricultural and Life Sciences.

If a student successfully petitions to both drop AND add a course after Drop/Add:

- The change is processed as two actions, a drop and an add.
- **The student will be fee liable for both the course dropped and the course added to his/her schedule.**

If there is no university or departmental error and the student believes the fees for the dropped course should be waived due to an extenuating circumstance, the student must submit a petition to the University Petitions Committee. The petition must be signed by the ABE Graduate Coordinator.

TABLE 1. Minimum Registration Requirements

[Click](#) here select the link to graduate student registration requirements:

Note: For students on appointment for the full summer, registration must total that specified for C term. Registration may be in any combination of A, B, or C terms. However, courses must be distributed so that the student is registered during each term on appointment.

	Fall & Spring	Summer		
		A	B	C
Full-Time Graduate Students not on Appointments	9-12	4	4	8
Assistants on .25 - .74 and/or 1/4, 1/3, & 1/2-Time Assistants	9	3	3	6
Graduate students not on appointment but using University facilities and/or faculty time	3	1	& 1	or 2
Graduate Students not on Appointment during Final Term	3	1	& 1	or 2

Tuition and Financial Aid

Payment of fees by the [dates](#) listed in the *Graduate Catalog* is an integral part of the registration process. For students classified as non-Florida residents, the tuition charges are considerably higher than for Florida residents. See the *Graduate Catalog* for [State residency requirements](#). Normally, students on graduate assistantships of 1/4 time or greater will be issued tuition waivers subject to availability of funds. All students are responsible for paying their required fees and any remaining tuition regardless of the value of fee waivers.

A graduate student with an assistantship, fellowship, or traineeship must not accept other aid without Graduate School permission and must be registered in accordance with the schedule shown in Table 1.

All non-Florida students who are U.S. citizens or permanent residents may be eligible for out-of-state fee waivers the year after they have filed for Florida residency status. It is the student's responsibility to review the criteria and file for Florida residency status when they first enroll at UF, if applicable. The detailed procedures and requirements are outlined in the [Graduate Catalog](#).

Financial aid in the form of scholarships and loans may be available to highly qualified graduate students. In general, such awards are available to students pursuing either master's or Ph.D. degrees. For information concerning availability of scholarships and loans and the necessary qualifications, students should contact the Dean's Office in the College of Agricultural and Life Sciences and the Office for Student Financial Affairs.

Normal Progress

Students in pursuit of the Master of Science and Doctor of Philosophy degrees are expected to complete at least the minimum hourly requirement each term and to maintain an acceptable academic grade point average. An acceptable GPA is understood to mean 3.00. Students who fall below these standards will be considered to be on academic probation. If a student remains below this standard for two consecutive terms, he/she is subject to termination.

A Master's degree is expected to be completed within two years and a Ph.D. degree within four calendar years of study. The student's progress will be formally assessed by the Supervisory Committee Chair at the end of each term to determine whether he/she should be continued in the program and whether he/she should continue receiving financial assistance from the department, pending available funds.

Graduate Seminar Course

All graduate students attending classes on the UF campus are required to register for 1 credit of ABE 6931. Master's students are encouraged to take it no later than their 3rd semester.

Students who will not be on campus for most of their academic program and who are located at Research Units can satisfy seminar requirements by

- Coordinating with the faculty instructor for ABE 6931
- Enrolling in ABE 6931 (distance section)
- Participating in center seminar series under supervision of their major professor

REC students must contact the Staff Academic Advisor to have a special section created for this course.

Students pursuing additional ABE degrees are not required to take a second seminar class.

All graduate students are required to present a seminar to the department at the end of their graduate programs. This can be the presentation given during the defenses of Ph.D.'s and Master's with thesis. Nonthesis Master's students should present a presentation related to their area of study to their Supervisory Committee.

Thesis and Dissertation

Students begin work toward a thesis or dissertation from the time they enter Graduate School. Careful planning and a timetable will help avoid delays as well as give the student valuable training.

Resources for preparation of theses and dissertations are available at the Graduate School Editorial Office and also online <http://graduateschool.ufl.edu/about-us/offices/editorial/thesis-and-dissertation/>. For technical support in creating an electronic thesis or dissertation, see <https://helpdesk.ufl.edu/application-support-center/etd-technical-support/>.

The thesis or dissertation is to be developed by students with the supervision and direction of their advisors. Students and their advisors may agree to prior review of the thesis, either section-by-section or in its entirety or both. When the advisor is satisfied that the document is ready for review by the Supervisory Committee, the advisor will authorize distribution. Students should expect several major changes and corrections in their thesis or dissertation to be required by the Supervisory Committee. Therefore, students must allow enough time to make required changes. Students must submit the final draft of

the thesis or dissertation to members of the Supervisory Committee at least 10 working days prior to the date of the final exam. The final draft should be complete in every respect including figures, tables, and bibliography, but in a form to allow for incorporation of editorial and/or substantive changes with minimal expense or inconvenience to the student. Turn-around time for thesis reviews can often be considerably reduced if the graduate student notifies the committee members in advance of the date when draft copies will be submitted for review.

The thesis or dissertation must be defended in time to meet Graduate School Deadlines. The Graduate School requires that Master's theses be defended before first submission to the Graduate School. The first submission for Ph.D. dissertations can be before the dissertation defense. Guidelines for submission of theses and dissertation to the Graduate School can be found at: <http://graduateschool.ufl.edu/graduation/checklists>.

The student is required to distribute final copies of the thesis or dissertation to appropriate offices and faculty members. In addition, students should send an electronic final copy to their advisor and Supervisory Committee members.

Thesis and Dissertation Deadlines

Deadlines for the submission of original signature pages with theses or dissertations are published by the Graduate School each term <http://graduateschool.ufl.edu/editorial/deadlines>. The deadline for submission of signature pages for theses or dissertations is the same as the deadline for submission of the final exam form. In all cases, the student must schedule the oral examination prior to the deadline to allow time for corrections, since corrections are to be completed before final signatures. The department Staff Academic Advisor must be notified of the examination time, date, location and dissertation or thesis title at least 10 days before the date of the examination.

The final oral presentation is open to all interested graduate faculty. An announcement will be sent via email to departmental faculty and graduate students. The defense of the thesis or dissertation should be well prepared including any supporting visual materials. One of the aims of the preparation should be to synthesize the important conclusions in a time-efficient presentation, on the order of 30 to 40 minutes, leaving ample time for questions and discussion.

Normally 3 hours should be scheduled for the complete final oral examination.

Qualifying Examination for Ph.D. Degree

Qualifying Exams are taken by all Ph.D. students in the department. A Qualifying Exam's topic areas include coursework, knowledge, and synthesis of the student's research topic. The Qualifying Exam should include a written portion and an oral portion. The topic areas of the written portion of the qualifying exam is determined by the student's advisor and committee. The oral portion of the qualifying exam should consist of oral evaluation of coursework, knowledge, and synthesis of the student's research topic.

Graduate students should schedule their qualifying exam at or near the end of their coursework.

The graduate student's research proposal can be presented at any time during their graduate program. It is recommended that the oral qualifying exam and the proposal presentation be conducted separately. However, if the Committee collectively decides to combine them on the same day, the candidate must pass the oral qualifying exam before proceeding to the proposal presentation.

The student must be registered in research in the term the final examination is given. Exams may not be taken in the breaks between semesters with this exception:

On rare occasion by virtue of scheduling conflicts beyond the control of the student, examinations may occur on days between terms (break period) with the approval of the supervisory committee. This approval does not, by any means, replace existing requirements to meet published registration and deadlines for degree certification in a particular term.

Qualifying Examinations and Final Examinations administered during a break period are only valid if the student was enrolled in at least one of the terms on either side of the break. The examination will always be associated with the term immediately preceding the break, provided the student was enrolled for that term. Otherwise, the examination will be associated with the term immediately following the break.

The written Qualifying Exam is to be coordinated and administered by the student's faculty advisor. The written portion of the Ph.D. Qualifying Exam will include individual tests from members of the student's graduate advisory committee. The committee chair (advisor) will develop a schedule for these tests with input from the student and the committee. Typically,

each individual test should be developed such that it can be reasonably completed in one day. For example, for a 5-member committee, with each member providing a test, the written portion would take 5 days. However, with the approval of the main advisor, there are circumstances where a test may take longer given the potential contribution to the student's research program objectives. The entire written portion of the Qualifying Exam must be passed prior to taking the oral portion of the Qualifying Exam. The oral portion of the Qualifying Exam typically occurs 1 to 2 weeks after the written portion is completed.

Except for allowed substitutions, all members of the Supervisory Committee must attend the oral part of the exam. The Qualifying Examination may be conducted using video and/or telecommunications. However, the student and chair or co-chair must be in the same physical location. All other members may participate from remote sites via technological means. There may be one substitute participant who is not the chair or external member in special circumstances with prior approval.

Normally 3 hours should be scheduled for the oral portion of the Qualifying Examination.

At this time, the Supervisory Committee is responsible for deciding whether the student is qualified to continue work toward a Ph.D. degree.

If a student fails the Qualifying Examination, a re-examination may be requested, but it must be recommended by the Supervisory Committee. At least one term of additional preparation is needed before re-examination.

If the student fails the written or oral examination, it is the committee's responsibility to decide when the student can retake another Qualifying Examination. Normally, a student will not be permitted to take either the written or oral qualifying examination more than two times.

Following successful completion of both written and oral Qualifying Examinations, the student is eligible for Ph.D. candidacy. In addition to successfully completing the Qualifying Examinations, the student must have chosen his/her dissertation topic and must have a minimum of 3.0 GPA both in the major and in all work attempted in the graduate program.

Between the oral part of the Qualifying Examination and the date of the degree there must be at least 2 terms. The term the Qualifying Examination is passed is counted if the examination occurs before the midpoint of the term.

Information including the thesis title, exam date, time and location should be provided to the Staff Academic Advisor at least 10 days prior to the exam.

Time Limitation: All work for the doctorate must be completed within 5 calendar years after the Qualifying Examination, or this examination must be repeated.

Final Examinations

The comprehensive oral examinations and the oral defense of a thesis, project or dissertation may be conducted using video and/or telecommunications. However, the student and chair or co-chair must be in the same physical location. All other members may participate from remote sites via technological means. There may be one substitute participant who is not the chair or external member in special circumstances with prior approval.

Master of Science, Thesis Option

The examination covers the thesis research and may also cover academic preparation and basic principles and applications. A final exam can be taken no sooner than two semesters after approval of a student's plan of study and research proposal.

Information including the thesis title, exam date, time and location should be provided to the Staff Academic Advisor at least one week prior to the exam.

The student must be registered in research in the term the final examination is given. Exams may not be taken in the breaks between semesters with this exception:

On rare occasion by virtue of scheduling conflicts beyond the control of the student, examinations may occur on days between terms (break period) with the approval of the supervisory committee. This approval does not, by any means, replace existing requirements to meet published registration and deadlines for degree certification in a particular term.

Qualifying Examinations and Final Examinations administered during a break period are only valid if the student was enrolled in at least one of the terms on either side of the break. The examination will always be associated with the term immediately preceding the break, provided the student was enrolled for that term. Otherwise, the examination will be associated with the term immediately following the break.

Master of Science, Nonthesis Option

All students pursuing nonthesis degrees are required to present a written or oral final exam presentation to their Supervisory Committee in the final semester of their graduate program. The topic should be related to the student's area of interest.

Ph.D. Degrees

After submission of the dissertation and the completion of all other prescribed work for the degree, but in no case earlier than six months before the conferring of the degree, the candidate will be given a final examination, oral or written or both, by the Supervisory Committee. The examination will cover the dissertation research, and it may also cover academic subjects and basic principles and application of the principles to the dissertation subject. A final exam can be taken no sooner than two semesters after passing the qualifying exam.

Exams may not be taken in the breaks between semesters with this exception:

On rare occasion by virtue of scheduling conflicts beyond the control of the student, examinations may occur on days between terms (break period) with the approval of the supervisory committee. This approval does not, by any means, replace existing requirements to meet published registration and deadlines for degree certification in a particular term.

Qualifying Examinations and Final Examinations administered during a break period are only valid if the student was enrolled in at least one of the terms on either side of the break. The examination will always be associated with the term immediately preceding the break, provided the student was enrolled for that term. Otherwise, the examination will be associated with the term immediately following the break.

Information including the thesis title, exam date, time and location should be provided to the Staff Academic Advisor at least 10 days prior to the exam.

Foreign Language Requirements

There is no foreign language requirement for any degree; however due to the international nature of Agricultural and Biological Engineering the students are encouraged to take advantage of the language courses offered at the University of Florida.

Administrative Policies

Policy on Graduate Student Support

Regardless of whether a graduate student is supported with state or grant funds, the purpose of these policies is to encourage timely progress toward completion of degree requirements and to make optimal use of available funding and other resources (e.g., space, faculty time, equipment). It is expected that graduate students' assistantships will be supported with grant and/or state funds.

Length of Support

Graduate students on financial support (grant or state funds) typically receive support for up to two years at the Master's level and up to four years at the Ph.D. level. Information specific to each student is contained in the student's Letter of Offer. Continuation beyond these periods for exceptional cases will be subject to review on a case by case basis.

In all cases, a Funding Extension Form detailing the source of the funding must be completed prior to each additional semester and submitted to ABE Human Resources Support for review by the Department Chair. ***Students who do not receive an approved funding extension are to be considered self-funded for the duration of their program unless additional funding becomes available.***

Assistantship Responsibilities

Assistantship requirements normally include thesis or dissertation activities but can include other tasks assigned by the faculty advisor or listed in the student's Letter of Appointment.

All students must participate in the Department's teaching and/or extension education programs by developing new lecture, online resource, distance education and laboratory material for courses or by conducting lectures or laboratories. Master's students must include a minimum of one hour of ABE 6940 Supervised Teaching in their Plans of Study and Ph.D. students must include at least three hours of ABE 6940 Supervised Teaching in their plan of study. Up to 5 hours of credit for ABE 6940 Supervised Teaching can be included in Ph.D. plan of study. *Students must complete the [on-line FERPA training](#)(UF_PRV802_OLT) prior to enrolling in ABE6940.*

A score of 55 on a UF SPEAK test (<http://ase.ufl.edu/testing.html>) or a score of 28 on the Speaking portion of a TOEFL iBT test is required of all graduate students whose native language is not English before they can lecture in courses. UF permits provisional teaching assignments for students scoring 45 or 50 on a UF SPEAK test or 23 - 27 on the Speaking portion of the TOEFL iBT if they concurrently enroll in EAP 5836 Academic Spoken English 2 <https://ase.ufl.edu/ASEcourses.html>

In order to remain on assistantship a student must be registered for the appropriate number of credit hours each term ([see Table 1](#)).

Semester Evaluation and IDP

Each graduate assistant will be evaluated by his/her faculty advisor based upon performance of assigned duties; compliance with department requirements such as maintenance of office hours, regular visits with faculty advisor, academic progress; and meeting the requirements of the Supervisory Committee, department, college, and graduate school relating to the timely execution of required documents such as plan of study, Supervisory Committee appointment form, etc. Evaluation forms can be accessed on the ABE website at <https://abe.ufl.edu/graduate/resources/>, Graduate students are encouraged to discuss this process with their advisor.

All Ph.D. students will be required to create and update an IDP on an annual basis, in consultation with their advisors. The IDP is intended to be a working document, to guide new and continuing Ph.D. students in identifying, pursuing, and meeting their professional and personal goals. The IDP is found on each student's Canvas e-learning page. Assignments should be completed in a timely manner. Although not required for MS students, an IDP may be required at the discretion of the student's committee chair. Students in MS programs should inquire with their committee chair during the first semester of their program to determine if an IDP should be developed. Students working on their Individual Development Plan are encouraged to access this CALS web site (<https://cals.ufl.edu/current-students/studentresources/idp/>). There they will find specific resources to help them gain skills in the IDP core competencies of Research Skills & Knowledge, Communication, Management and Leadership Skills, Effectiveness/Purpose, Professionalism, and Career Advancement.

More information on UF IDP policies can be accessed at <http://graduateschool.ufl.edu/faculty--staff/resources/individual-development-plan-idp-policy/>.

Vacation and Sick Leave

- A. The current UF Graduate Student Bargaining Agreement provides 5 days of leave per semester for each student. Graduate students should request leave from their faculty advisor prior to taking leave as able.
- B. Vacation leave may be taken by the graduate assistant with the approval of his/her advisor.
- C. Please note that all graduate assistants, regardless of percent employment or actual hours worked, are expected to be on duty at least part of every working day not taken as vacation or sick leave, including the period between academic terms. Official state holidays are not considered to be working days.

Office Assignments

Office space is assigned to graduate students on a space-available, priority basis. Office assignments are made by the department Staff Academic Advisor and other department staff. ***All changes to office assignments must be approved in advance by the Staff Academic Advisor.*** Most office space is in conventional offices shared by multiple graduate students, and some desks are in laboratories. Access to the building and office space (e.g., keys and door codes) is managed by the ABE Facilities Coordinator.

All office space, laboratories, and other university property are a privilege provided to UF employees. With the previous, responsible care is expected. Office and lab spaces should be maintained appropriately, and access keys and codes should not be shared.

Graduate students must turn in any keys assigned to them upon completion of their graduate program. **Keys are not to be loaned to non-departmental personnel. It is unlawful to duplicate these keys.**

Research involving Data Collection using Human or Animal Subjects

If your research involves data collection using animals or humans, you must be familiar with the University of Florida procedures that ensure that the rights and welfare of the animals and people are adequately monitored and protected. All research projects involving human or animal subjects, even if it is purely observational, must be approved before the project begins by one of three boards outside of the department. Federal regulations prohibit retroactive approval and any research results obtained without approval cannot be used.

Before you begin any such research, it is critical that you obtain approval from the appropriate UF committee: The Institutional Review Boards (IRB) or the Institutional Animal Care and Use Committee (IACUC). Information regarding these committees is found in the UF Graduate Student Handbook.

Research Data, Software, Designs and Manuscripts

All research data, patents, designs, computer software, creations, etc. obtained by graduate students on assistantship support are the property of the State of Florida. All research data and other requested materials must be submitted to the advisor before the student leaves the University of Florida. If any patents or copyrights are awarded to the inventions or designs of any graduate student's thesis or dissertation research, then both the student and his/ her advisor are credited. They can receive a percentage of the profits or royalties realized from the patents or copyrights.

Graduate students are strongly encouraged to submit manuscripts for publication of their findings. The advisor and others involved directly with the research project are to be listed as co-authors. Graduate students may leave the University without preparing a manuscript to submit for publication and may or may not do so within a reasonable time. Twelve months after the student leaves the University, the advisor can use the thesis and research data to prepare a manuscript for publication if the student has not already done so. Under this arrangement, the advisor would be the senior author and the former student would be a co-author.

Computer Access

All student offices, classrooms, and laboratories have internet access via Gatorlink credentials.

The departmental computer teaching lab is available to all students at times when classes are not scheduled for the lab. Students working on class assignments in this lab are given priority over students working on research assignments.

All use of departmental computers must comply with University of Florida Information Technology Acceptable Use Policy (<http://it.ufl.edu/policies/aupolicy.html>)

Purchases and Support

Requests for staff support should be channeled through the student's advisor. Services are restricted to work in support of research activities with the approval of the advisor. Under no circumstances will these services be available for activities related to course work or thesis or dissertation preparation. Expenses related to the preparation of required reports or publications based on theses and dissertations are legitimate departmental expenses.

All purchases made for extension, research, and teaching activities, whether related to thesis research or not, must receive prior approval of the student's advisor. Details for making purchases are available from the departmental fiscal office.

Use of State Vehicles

State vehicles are for **OFFICIAL USE ONLY**. Operators of state vehicles must abide by all state laws as specified in “Rules of the Road” available from any Florida Highway Patrol Office. Special courtesy to other drivers should be exercised at all times, since one is representing the department, university, and state when driving a state vehicle.

A valid Florida driver's license is required to operate state vehicles and must be on file with the Facilities Coordinator prior to use of the departmental fleet. As required by the State of Florida, a commercial driver's license may be required for operation of certain vehicles. Caution: Only persons employed by the university are covered by state insurance while operating a university-owned vehicle. A graduate student on an assistantship meets the employment criterion.

Students operating state vehicles should check with their advisors and the ABE Facilities Coordinator concerning current procedures for signing out vehicles, purchase of fuel, maintenance of vehicle logbook, etc.

Use of Shop Facilities and Services

Graduate students are generally expected to fabricate experimental equipment needed for their thesis or dissertation research that is not otherwise available. Students must follow all policies and regulations regarding the use of shop facilities. The policies and rules are:

- A. These shops are intended only for research, teaching and extension activities.
- B. The precision machine shop can only be accessible to persons obtaining permission from the ABE Facilities Coordinator.
- C. During the Monday through Friday work week the general shop is accessible to faculty, graduate students, and staff from 8 A.M. to 5 P.M. During the Monday through Friday work week the teaching shop is available to faculty, graduate students, and staff if their activities do not interfere with classroom instruction.
- E. To ensure safety, all persons using the shop facilities must work only when another person is within the same laboratory area during its use. In cases of extensive or complex fabrication, shop personnel may help with the work. Use of shop personnel must be arranged by the student's advisor in advance. Graduate students should not use general shop supplies (steel, plastic, pipe, etc.) without prior approval of the ABE Facilities Coordinator and faculty advisor.

Laboratory Safety Procedures

Graduate students are generally required to perform chemical or biological experimental research to obtain data for their thesis or dissertation.

Before beginning work in any Agricultural and Biological Engineering (ABE) laboratory students are required to:

1. Read and understand all Safety and/or Biological manuals and attend required Safety, Biological and Hazardous Waste training.
2. Submit a Standard Operating Procedures (SOP) for each procedure to the Lab Manager or PI prior to beginning any experiments.
3. Wear Personal Protective Equipment (PPE) (ANSI approved goggles, long pants, closed toed shoes-required in all laboratories, appropriate gloves, and laboratory coats.)
4. Label all liquids in glassware with proper names. Avoid using chemical abbreviations. Labels should include the name of the user and the date.
5. No eating or drinking is permitted in the laboratory. The break room should be used for eating and drinking.
6. To ensure safety, never begin an experiment alone in the laboratory, and never work without the *Principal Investigator* and Lab Manager's knowledge. In addition, when you are working in the laboratory outside of your regular lab time, you must inform your PI and/or other lab members.

APPENDIX B

Note: Required articulation courses do not count toward the credit hours of coursework required for a graduate program of study. Students may have to pay for articulation courses out-of-pocket as they may not be included in assistantship funding.

Equivalency Requirements for Agricultural Operations Management

	Semester Credits
Biological Sciences	4
CHM2045 and Lab	4
Applied Physics	3
Survey of Calculus	3
Basic Economics Course	4
Management/Production Management Courses	9
Agricultural Operations Management Courses	9
Technical Agriculture Courses	6-9

Equivalency Requirements for Applied Science Degree

	Semester Credits
Biological Sciences	3
Analytical Geometry and Calculus I and II	8
Differential Equations	3
General Physics I and II (including labs)	8
General Chemistry I and II (including labs)	8

In rare cases a student's Faculty Advisor may feel that an articulation course is not required for the student's specific area of study. The faculty member may petition the ABE Graduate Committee to waive that specific requirement using clear justification. The petition form is available for faculty on the ABE website.

APPENDIX C

Lists of Courses for Mathematics Requirement and Data Analytics Requirement

Course	Credits	MATH	DATA
ABE 6933 Fundamental Probability & Mathematical Statistics	3	X	
ABE 6933 Modeling Coupled Natural-Human Systems	3	X	
ABE 6933 Stat/Machine Learning	3		X
ABE 6840 Nonlinear Data Diagnostics	3	X	X
ABE 6933 Stochastic Modeling in Ecology and Hydrology	3	X	
ABE 6986 Applied Mathematics in Agricultural Engineering	3	X	
COT5615 - Mathematics for Intelligent Systems	3	X	
MAP 5304 Intermediate Differential Equations	3	X	
MAP 5489 Mathematical Modeling in Biology	3	X	
STA 5325 Fundamentals of Probability	3	X	
STA 5328 Fundamentals of Statistical Theory	3	X	
STA 6093 Introduction to Applied Statistics*	3		X
STA 6166 Statistical Methods in Research I*	3		X
STA 6167 Statistical Methods in Research II	3		X
STA 6207 Regression Analysis	3	X	X
STA 6208 Design and Analysis of Experiments	3	X	X

*** Note: Only one of STA 6093 or STA 6166 (but not both) may be applied towards any plan of study (since they cover essentially the same material). If one's program requires STA 6167, the student is encouraged to take STA 6166 (which is the official prerequisite) or obtain advance permission from the STA 6167 instructor to enroll in STA 6167 without STA 6166.**

A compilation of UF Statistics courses can be found at https://ufstatscourses.shinyapps.io/shiny_tutorial/

The aim of the "MATH" requirement is to equip students with analytical skills and mathematical methods to solve problems, which could be in courses with generic labels of mathematics, applied mathematics, and theoretical statistics (e.g., theoretical justification of various statistical methods—without handling of data). In order for a course to fall under "MATH", **it must use mathematics beyond the ABE basic undergraduate level.** This refers to both the tools (calculus, linear algebra, basic differential equations) and application (e.g., derivations, proofs).

The Applied Science Ph.D. requires 3 credits minimum of an approved math course. Substitutions may be accepted only with prior approval by the department graduate committee based on the above definition.

The aim of "DATA ANALYSIS" requirement is to equip students with the ability to apply statistical analyses and empirical modeling techniques to infer insights from data. In order for a course to fall under the "DATA ANALYSIS" list, the course **must include a substantial applied statistics component** (data analysis, application of statistical concepts) and handling of data.

The two lists are not mutually exclusive. Some courses may fall under both math and applied statistics, but each course can be used to fulfill EITHER "MATH" OR "DATA ANALYSIS" requirement, but NOT BOTH.

APPENDIX D

Example Quantitative Course List for Applied Science M.S./Ph.D. Degrees

	Semester Credits
ABE5038 Advanced Fundamentals & Applications of Biosensors	3
ABE5152 Electro-Hydraulic Circuits/Controls	3
ABE 5332 Advanced Agricultural Structures	3
ABE 5442 Advanced Bioprocess Engineering	3
ABE 5643C Biological and Agricultural Systems Analysis	3
ABE 5646 Biological and Agricultural Systems Simulation	3
ABE 5653 Rheology and Mechanics of Agricultural and Biological Materials	3
ABE 5663 Environmental Biotechnology	3
ABE 5707C Agricultural Waste Management	3
ABE 5815C Food and Bioprocess Engineering Design	4
ABE 6005 Applied Control Automation	3
ABE 6031 Instrumentation in Agricultural Engineering Research	3
ABE 6035 GIS in Hydrology	3
ABE 6037C Remote Sensing in Hydrology	3
ABE 6252 Advanced Soil and Water Management Engineering	3
ABE 6254 Simulation of Agricultural Watershed Systems	3
ABE 6262C Remote Sensing in Hydrology	3
ABE 6265 Vadose Zone Modeling	3
ABE 6266 Nanotechnology in Water Research	3
ABE 6615 Advanced Heat and Mass Transfer in Biological Systems	3
AOM 5431 GIS and Remote Sensing in Agriculture and Natural Resources	3
CWR 5125 Groundwater Flow I	3
CWR 6115 Surface Hydrology	3
CWR 6525 Groundwater Flow II	3
CWR 6536 Stochastic Subsurface Hydrology	3
CWR 6537 Contaminant Subsurface Hydrology	3
SOS 6622 Vadose Zone Hydrology	3
STA 6166 Statistical Methods in Research I	4
STA 6167 Statistical Methods in Research II	4
STA 6200 Fundamentals of Research Design	2
STA 6201 Analysis of Research Data	3
STA 6207 Applied Statistical Methods	3
STA 6208 Regression Analysis	3
STA 6209 Design and Analysis of Experiments	3

Note: Courses from Appendix C are also accepted but cannot double count for both requirements.

APPENDIX E

Summary of Procedures for Master of Science Degree

It is the student's responsibility to ascertain that all requirements have been met and that every deadline is observed.
<http://graduateschool.ufl.edu/graduate-life/graduation/graduation-checklist/>

<u>Requirement</u>	<u>Person Responsible</u>	<u>Completion Date</u>
Work with Advisor to begin formation of Supervisory Committee	Student	Middle of First Term
Request Transfer of Credit from other Undergraduate, Postbaccalaureate, or Graduate Programs	Faculty Advisor Student	End of first term. Submit request <u>form</u> to Staff Academic Advisor
Submit signed Supervisory Committee form to Staff Academic Advisor.	Faculty Advisor Student	End of second term
Submit approved plan of study to Staff Academic Advisor.	Faculty Advisor Student	End of second term
Submit approved Research Project Proposal to Supervisory Committee Chair.	Faculty Advisor Student	End of second term
Obtain a copy of Deadline Dates from Graduate School website.	Student	Term prior to one in which degree is to be awarded
Notify Staff Academic Advisor of Intended Graduation Date. Check plan of study to ensure that all course requirements will be met. Check deadlines!	Student	Term <u>prior</u> to intended graduation term
Petition to transfer specific non-dept. course credits to major courses (note...this requires substantial justification).	Staff Academic Advisor	4:00 PM of last day of classes in term preceding the term in which the degree is to be awarded
Final Term Registration	Student	3-Credit Minimum (ABE 6971), (2-Credit during Summer). Graduate coursework required for non-thesis students.
Apply for graduation on One.UF	Student	Prior to published deadline in Deadline Dates
Notify Staff Academic Advisor of Final Exam date, time, place & thesis title.	Faculty Advisor Student	Not later than 10 working days before examination
Final Examination – required for ALL M.S. degrees (thesis and non-thesis)	Faculty Advisor	Prior to published deadline. Submitted electronically to the Graduate School
First Submission of Thesis to Graduate School Editorial Office	Student	Prior to published deadline in Deadline Dates
Pay all related submission charges listed on ONE.UF	Student	Prior to final submission to Graduate School
Refer to Grad School ETD checklist for required final paper submission items.	Student	Prior to published deadline in Deadline Dates
Return office key, desk key and all equipment	Student	Prior to departure

APPENDIX F

Summary of Procedures for Ph.D. Degree

It is the student's responsibility to ascertain that all requirements have been met and that every deadline is observed.
<http://graduateschool.ufl.edu/graduate-life/graduation-graduation-checklist/>

<u>Requirement</u>	<u>Person Responsible</u>	<u>Completion Date</u>
Work with Faculty Advisor to begin formation of Supervisory Committee	Student	Middle of First Term
Request Transfer of Credit from other Undergraduate, Postbaccalaureate, or Graduate Programs	Faculty Advisor Student	End of First Term. Submit request form to Staff Academic Advisor
Submit signed Supervisory Committee form to Staff Academic Advisor.	Faculty Advisor Student	End of third term
Submit approved plan of study to Staff Academic Advisor.	Faculty Advisor Student	End of third term
Submit approved Research Project Proposal to Supervisory Committee Chair.	Faculty Advisor Student	End of third term
Written and Oral Qualifying Examinations	Faculty Advisor Send details to Staff Academic Advisor	Normally taken after completion of at least two terms of Ph.D. study. There must be a minimum of two terms between the successful completion of the exam and the graduation date.
Submit Admission to Candidacy Form	Staff Academic Advisor prepares DocuSign	Submitted electronically to the Graduate School upon satisfactory completion of Qualifying Exam
Registration in doctoral research	Student	Register in ABE 7979 before admission to candidacy. Register in ABE 7980 after admission to candidacy.
Review deadline dates and notify Staff Academic Advisor for final review of degree/plan of study requirements.	Student	Term prior to one in which degree is to be awarded
Notify Staff Academic Advisor of intended graduation date	Student	Term <u>prior</u> to intended graduation term
Petition to transfer specific non-dept. course credits to major courses (note...this requires substantial justification).	Staff Academic Advisor	4:00 PM of last day of classes in term preceding the term in which the degree is to be awarded
Final term registration Student	Student	3-Credit minimum (ABE 7980), (2-Credit during Summer)
Apply for graduation on One.UF	Student	Prior to published deadline in Critical Dates
First submission of dissertation and related forms to Graduate School	Student	Prior to published deadline in Critical Dates

Editorial Office

Notify Academic Services Coordinator of Final Exam date, time, place & dissertation title.	Faculty Advisor Student	Not later than 10 working days before examination.
Prepare and send exam forms via Docusign	Staff Academic Advisor	Day of Exam
Final Examination	Faculty Advisor	Prior to published deadline in Critical Dates
Pay all related submission charges listed on ONE.UF	Student	Prior to dissertation submission to Graduate School
Refer to Grad School ETD checklist for required final submission items.	Student	Prior to published deadline in Critical Dates
Return departmental key, desk key and all equipment to Department Facilities Coordinator	Student	Prior to departure

APPENDIX G

Minimum Requirements for AG Graduate Degrees

(Applied Science (AG) and Agricultural Operations Management (AOM))

MST=Thesis, MSN=Non-Thesis

Degree	Total credits	Total Research Credits	Total course credits	Total course credits include these Required Credits						
				*Dept (min)	Math	Data Analy	Quant	ABE6940	ABE6931	Op Mgmt Courses
AG-MST	30	6	24	12	3 or 3		6	1	1	0
AG-MSN	30	0	30	15	3 or 3		6	1	1	0
AG-AOM-MST	30	6	24	12	3 or 3		0	1	1	0
AG-AOM-MSN	30	0	30	15	3 or 3		0	1	1	0
AG- App. Sci PH.D.	90	36 (or # to reach 90 credits)	54	18	3	0	9	3	1	0
AG-AOM Ph.D.	90	36 (or # to reach 90 credits)	54	18	0	0	9	3	1	9

Graduate degrees require 30 total hours for master's Degrees and 90 total hours for Ph.D. degrees.

*Number of total course hours in plan of study that must have ABE, AOM, or PKG prefix.

APPENDIX H

Graduation Checklist

- ___ E-mail the Staff Academic Advisor the semester prior to graduation to do a requirements check.
- ___ Have all grade changes for I, N grades submitted. DO NOT DELAY THIS!
- ___ IMPORTANT...if you made changes to any coursework for a concurrent or non-traditional degree you must resubmit a corrected, signed program of study to the graduate school.
- ___ If you are getting a minor you must send the Staff Academic Advisor the list of courses for the minor to be submitted to the graduate school.
- ___ Confirm on your transcript that courses did transfer from a former master's program if you are including them in your Ph.D. program of study. This will appear as a block of credit, not individual courses.
- ___ The graduate school requires 12 hours of dept. coursework in the major for a master's program (15 for non-thesis). I may have to petition to have non-ABE/AOM/PKG courses counted, so let me know a full semester before you graduate so I can review your transcript/POS and petition if necessary. This is a petition that is rarely used. Students are expected to take the required coursework in the department. Ph.D. students must take a minimum of 18 hours of departmental coursework as part of the 54-hour course requirement.
- ___ Schedule a conference room for your defense. They book up early so do not wait.

Semester of graduation:

___ **Register for required number of research hours (DO NOT FORGET THIS RULE!).**

3 hours in Fall or Spring 2 hours in Summer (Note: Non-Thesis M.S. must be in coursework, not research!)

___ Register for required number of total hours if you are on an assistantship or Fellowship (even in your final semester).

Spring/Fall=9 assistantship/12 Fellowship Summer=6 assistantship/8 Fellowship

- ___ Apply for graduation On ONE.UF
- ___ Reserve regalia for ceremony Registrar's website – graduation checklist
- ___ Guide for Preparing Theses & Dissertation ETD - Grad School Editorial Site

<http://graduateschool.ufl.edu/about-us/offices/editorial/editorial-deadlines/>

___ Deadline dates list Grad school website

<http://graduateschool.ufl.edu/graduate-life/graduation/deadlines/>

- ___ Schedule defense date Provide to Staff Academic Advisor with date, time, place, title and summary of thesis or dissertation research (1-2 paragraphs) at least 10 working days prior to defense.
- ___ Final exam forms (Dissertation, MS Thesis and non-thesis) Forms are prepared and sent via Docusign by Staff Academic Advisor.
- ___ Complete Qualtrics Exit Survey Sent directly to students
- ___ Exit Interview with Department Chair Schedule with Education Coordinator
- ___ Forwarding email & postal address Provide in Exit Survey
- ___ Turn in desk, office key To Department Facilities Coordinator, prior to graduation