POLICIES AND PROCEDURES

Chemistry and Biochemistry Ph.D. Program

Charles E. Schmidt College of Science, Florida Atlantic University

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1. PROGRAM DESCRIPTION

The Doctoral Program in Chemistry is administered by the Department of Chemistry and Biochemistry, a member of the Charles E. Schmidt College of Science (CESCoS) at Florida Atlantic University. The Program admitted its first doctoral students in the Fall Semester of 2000. The Program incorporates cross-disciplinary approaches to research and education in chemistry and biochemistry with a focus in chemical biology. The Program takes advantage of current faculty strengths in chemistry, biochemistry, drug discovery, and molecular biology to provide academic leadership and to mentor graduate students. The research conducted by faculty in the Program contributes to fields such as synthetic organic chemistry, protein biochemistry, biophysical chemistry, natural products chemistry, biomedical science, materials science, and environmental science. The Program is also aligned with the University’s strategic foci in neuroscience, healthy aging, ocean science and engineering/environmental sciences, and sensing and smart systems. While the student’s Dissertation research may be highly focused in one of the sub-disciplines, the program curriculum will provide a context for viewing this research in light of its relationship to other disciplines.

A. Program Administration

i. The Chemistry and Biochemistry Ph.D. Program (“Program” herein) is administratively housed in the Department of Chemistry & Biochemistry in the Charles E. Schmidt College of Science at the Boca Raton Campus.

ii. The Program shall remain consistent with all aspects of the educational policies of FAU. In particular, all policies and procedures outlined in the Graduate College Governance Document and the Graduate Policies for the CESCoS Document shall apply to the Program.

iii. A Graduate Program Committee (“Graduate Committee”) consisting of no fewer than three Graduate Faculty members is the governing body of the Program.

iv. The Chair of the Graduate Committee (“Graduate Chair”) is appointed by the Dean of the CESCoS. The Graduate Chair is a tenured professor whose term of appointment is for five years. The term for the rest of the Graduate Committee members is five years.

v. The Graduate Committee is responsible for establishing academic policy pertaining to the Program, curriculum development and oversight, overall program evaluation, due process and administration, approval of Research Advisors and Supervisory Committee members, and program admissions.

vi. The Graduate Chair and two members of the Graduate Committee shall constitute a quorum. In the event of a tie vote, a motion is deemed defeated unless the Graduate Chair elects to place the matter before the Graduate Faculty of the Department, whose majority decision is binding on the Graduate Committee.

vii. The Program shall be reviewed once every seven years by an External Advisory Board appointed by the Department Chair.

B. Program Faculty

i. As defined in the FAU Graduate College Governance Document, the four levels of graduate faculty are:
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- **Graduate Faculty** may teach graduate courses, serve on and chair Master's and Ph.D. Supervisory Committees, and serve on committees that oversee graduate programs.

- **Associate Graduate Faculty** may teach graduate courses and serve on and chair Master's Supervisory Committees, but not Ph.D. Supervisory Committees.

- **Graduate Lecturers** may teach graduate courses but cannot serve on Master's or Ph.D. Supervisory Committees.

- **Graduate Faculty Emeriti** may teach graduate courses, serve on and co-chair Master's and Ph.D. Supervisory Committees, and serve on committees that oversee graduate programs.

ii. Only Graduate Faculty and Graduate Faculty Emeriti may serve on and/or chair Ph.D. Supervisory Committees.

iii. A Graduate Faculty member in Chemistry is appointed by a vote of the Department Graduate Faculty, and a review by the Department Chair, CESCoS Dean or Designee, and the Graduate College Dean.

iv. A person nominated for appointment as Graduate Faculty must meet the following minimum criteria:

- Hold the rank of Assistant Professor or above (clinical, research scientist/faculty, and affiliate research faculty inclusive). Under exceptional circumstances, faculty members with a comparable level of expertise may apply for status as Graduate Faculty;

- Hold the terminal degree suitable for contributing to the program or show a comparable level of attainment through experience as determined by the Graduate Committee of the program;

- Be actively involved in scholarly or creative activity, graduate teaching or graduate mentoring.

v. Eligibility for appointment to the Chemistry Graduate Faculty is based on demonstrated productivity in the areas of graduate education and research through advising Doctoral students and conducting research and related scholarly activities with a record of recent publications in peer-reviewed scientific journals. Graduate Faculty shall ordinarily be expected to have active, extramurally-funded research programs in order to Chair a Ph.D. Supervisory Committee.

vi. For faculty members newly appointed to FAU, appointment to the Graduate Faculty of the program is through application to the Department Chair and can coincide with the time of the member's first faculty appointment at FAU. To be appointed, the prospective faculty member shall submit a written request for such appointment to the Department Chair, together with current curriculum vitae that includes appointment and rank at FAU and credentials as an independent scholar in the conduct of scientific research.

vii. Affiliate Faculty are non-FAU employees who can be appointed as Graduate Faculty, Associate Graduate Faculty, or Graduate Lecturers, and at most can only co-chair Master’s and Ph.D. Supervisory Committees. The appointment requires a vote by the Department Graduate Faculty and a review by the Department Chair, the CESCoS Dean or designee, and the Graduate College Dean.

viii. Affiliate Faculty applicants are nominated by a Department of Chemistry and Biochemistry Graduate Faculty member. The nomination is accompanied by a current curriculum vitae that establishes the applicant’s credentials as an independent scholar in
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the conduct of scientific research in areas complementing those in the Department. The Department may also require the prospective Affiliate Faculty member to give a seminar.

ix. The term of all appointments to the Graduate Faculty in Chemistry is five academic years.

x. All Graduate Faculty appointments may be renewed by the Graduate Committee, subject to demonstration by the faculty member of research productivity and other criteria as outlined in item 1.B.v. above.

2. ADMISSION REQUIREMENTS

A. Application Deadlines

i. Student applications are accepted for the Fall and Spring admission cycles. The completed applications must be received by April 15th (domestic) & February 15th (international) for Fall and November 1st (domestic) & April 15th (international) for Spring.

ii. The Graduate Committee shall meet within two weeks of the deadline and select candidates for recommendation to the Graduate College. The Graduate Committee makes the final decision in accepting all applicants to the Program. A majority vote is required for an applicant to be admitted.

B. Admission Criteria

i. Bachelor of Science degree in a field of chemistry or biochemistry, or other chemistry-intensive degree (e.g., Chemical Engineering or Pharmacy) that includes General Chemistry, Organic Chemistry, Instrumental Analysis, Quantitative Analysis, and Physical Chemistry, all with associated laboratory courses.

ii. Minimum 3.0 GPA in the last 60 credits of undergraduate work, a "B" average in chemistry courses taken at the junior and senior undergraduate levels, and scores of at least 150 (verbal) and 152 (quantitative) on the Graduate Record Exam. We note that these are minimum requirements and that admissions decisions are made on a competitive basis. Exceptions to these minimum requirements may be made at the discretion of the Graduate Committee.

iii. Academic transcripts are strictly required, as are letters of recommendation. The Graduate Committee strongly advises applicants to solicit meaningful and detailed letters of recommendation from the appropriate teachers and mentors.

iv. Prior research experience, such as a Master's degree or a publication record may be an advantage for admission to the Program.


vi. International students must demonstrate competency in spoken English. International students whose native language is not English must score at least 79-80 on the internet-based Test of English as a Foreign Language (TOEFL). Satisfactory TOEFL scores can offset verbal GRE scores below 150 at the discretion of the Graduate Committee.

vii. International students whose transcripts are from non-U.S. institutions must have their credentials evaluated course by course by a NACES certified service. Additionally, all
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international graduate students who wish to become graduate teaching assistants at FAU must successfully complete the Seminar for International Teaching Assistants (SITA). See the Graduate College website for details (http://www.fau.edu/graduate/).

viii. Acceptance into the Program is based on stringent criteria and generally only the most highly qualified candidates among the pool of applicants shall be selected. The Graduate Committee’s admissions decisions are final.

C. Orientation for Incoming Chemistry Graduate Students

i. In the week prior to the beginning of the fall and spring semesters all new chemistry graduate students are required to participate in the following as part of the orientation schedule:
   
   • Chemistry Competency Exams (Analytical, Organic, and Physical)
   • Chemistry graduate student advising session and class registration
   • Chemistry Safety Orientation
   • General Chemistry labs orientation (if assigned as a General Chemistry TA)
   • Chemistry Department welcome reception
   • Graduate College student orientation
   • Graduate College teaching assistant orientation (SITA)

ii. A detailed orientation schedule shall be sent to all incoming graduate students 2-3 weeks prior to the beginning of the new semester.

3. FINANCIAL ASSISTANCE

i. Each Ph.D. student must be a registered full-time student.

ii. Students are discouraged from outside employment that may conflict with the Program expectations.

iii. Ph.D. students are supported by either a Teaching Assistantship (TA) or a Research Assistantship (RA) whose base stipends are currently $20,050 per year. Outstanding students may receive a one-time signing bonus of up to $5,000 subject to availability of funds. Graduate students may also be eligible for financial aid. All students accepted into the program and supported by TA or RA stipends will receive a tuition waiver.

iv. Students must have full time status to be eligible for the tuition waiver.

v. TA support (including tuition waiver) generally can be expected for five years. However, support beyond five years is subject to approval by the student’s Supervisory Committee and the Graduate Committee.

vi. Enhanced Teaching Assistantships (ETAs) are available for qualified graduate students in good standing. ETAs provide annual stipends up to $26,000 depending on the extended teaching assignment.

vii. ETA applicants should send a brief statement of interest in the ETA program to the Graduate Chair as well as a signed letter (as an attached PDF) from the applicant’s Research Advisor expressing strong support for the student undertaking an ETA. The

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Research Advisor should affirm that the extended teaching duties are not likely to unduly affect the student's research productivity.

viii. ETAs will only be renewed each semester with continued support from the Research Advisor. Furthermore, the number and level of ETAs provided each semester to each recipient will be assigned at the discretion of the Graduate Committee upon consultation with the appropriate TA supervisors and based on teaching needs.

4. DEGREE REQUIREMENTS

A. Course Requirements

i. The following table lists the minimum course requirements for the Ph.D. degree. In addition to the courses listed in the table, Ph.D. students are required to earn Advanced Research in Chemistry (CHM 7978) credits prior to being admitted to candidacy.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Chemical Research (CHM 5944)</td>
<td>1</td>
</tr>
<tr>
<td>Instrumentation (CHM 6157)</td>
<td>3</td>
</tr>
<tr>
<td>Kinetics and Energetics (CHM 6720)</td>
<td>3</td>
</tr>
<tr>
<td>Synthesis and Characterization (CHM 6730)</td>
<td>3</td>
</tr>
<tr>
<td>Graduate Seminar (non-thesis) (CHM 6935)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Elective Courses (minimum)</td>
<td>9</td>
</tr>
<tr>
<td>Dissertation (CHM 7980) (minimum)</td>
<td>25</td>
</tr>
<tr>
<td>Minimum Degree Total</td>
<td>80</td>
</tr>
</tbody>
</table>

ii. Depending on their performance on the Competency Exams (see 2.C.i. above), students may be required by the Graduate Committee to enroll in remedial coursework. Students must earn a grade of B or better in each required remedial course to successfully fulfill the requirement.

iii. Students must complete Introduction to Chemical Research (CHM 5944) within the first two semesters.

iv. Students must present a non-thesis seminar by the end of the second year of their program. Details of the seminar will be established by the faculty in charge of this course (CHM 6935).

v. Students must register for CHM 7980 (Dissertation) to receive credit for research conducted after attaining candidacy. A minimum of 25 Dissertation credits are required for the Ph.D. degree.

vi. A limited number of Advanced Research in Chemistry (CHM 7978) credits may be counted in lieu of Dissertation credits, subject to approval by the Graduate Chair, the College of Science Dean (or designee), and the Graduate College Dean. In such cases a
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Form 10 (request to waive a university requirement) must be completed and submitted by the student along with an accompanying letter detailing the request.

vii. Elective courses may be from other Colleges within FAU, if appropriate. The selection of the electives must be approved by the student’s Supervisory Committee.

viii. All elective courses must be 6000-level. One 5000-level course may be counted as an elective with permission from the Graduate Committee.

ix. The Supervisory Committee may require that a student complete more than three electives. The grades from these additional electives will count towards the student’s GPA. The determination that all course work is completed is made solely by the student’s Supervisory Committee.

x. If students have previously completed graduate-level courses (e.g., for a Master’s degree) these may be considered as a substitute for one or more core or elective courses with permission from the Graduate Committee.

xi. Students must maintain a GPA of at least 3.00 in their course work, in keeping with University-wide requirements. Failing this, the student must complete and submit an Academic Progression Plan (Form 11) with the assistance of the Research Advisor and the Graduate Chair.

xii. Students must receive satisfactory grades in the Advanced Research and Dissertation credits to continue in the Program. Failing this, the student must complete and submit an Academic Progression Plan (Form 11) with the assistance of the Research Advisor and the Graduate Chair.

B. Plan of Study

i. An electronic Plan of Study shall be completed by the student and filed with the Graduate College by no later than the end of the first year of study. Students should seek assistance from the Graduate Chair when completing their POS for the first time.

ii. The student must register for courses each semester in compliance with the approved Plan of Study. If a change of course selection is required the Plan of Study must be updated online and submitted for approval prior to course registration.

iii. The typical full-time load is 9 credits in fall and spring semesters and 6 credits in the summer. Less than these numbers of credits may constitute full-time status with the approval of the Graduate Chair, the College of Science Dean (or designee), and the Graduate College Dean. In such cases a Form 14 (Graduate Equivalent Full Time Status Waiver) must be completed and submitted by the student along with an accompanying letter detailing the request.

C. Research Supervisory Committee

i. The Graduate Chair shall assist the student in finding a home lab. The final decision about the student’s choice of Research Advisor must be approved by the Graduate Committee. The student must complete the Research Supervisory Committee Approval Form.

ii. Students may choose to do lab rotations in the first year in consultation with the Graduate Chair.
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iii. Students must have chosen a Research Advisor by the end of the first year.

iv. The Supervisory Committee must have at least four members, three of whom are members of the Chemistry and Biochemistry Ph.D. program's Graduate Faculty. One committee member must be from outside the Department of Chemistry and Biochemistry and have Graduate Faculty status.

v. The Supervisory Committee shall be formed before the end of the student's second year.

vi. The Supervisory Committee is chosen by the student's major Research Advisor in consultation with the student.

vii. All Supervisory Committee members, including the student’s major Research Advisor, must be approved by the Graduate Committee and the Department Chair. The Department of Chemistry and Biochemistry Research Supervisory Committee Approval Form must be completed, signed and submitted to the Graduate Chair as soon as the Supervisory Committee is formed and prior to the first Supervisory Committee meeting.

viii. If the major Research Advisor is a non-tenured faculty member, at least one member of the Supervisory Committee must be at the rank of a tenured Associate or Full Professor.

ix. The first Supervisory Committee meeting must be held no later than the first semester of the third year. The student must meet with his/her Supervisory Committee at least once per year thereafter. The Department of Chemistry and Biochemistry Graduate Student Milestone Chart must be completed, signed and submitted to the Graduate Chair after each Supervisory Committee meeting.

x. Following all Supervisory Committee meetings, the student's Research Advisor will indicate whether progress is satisfactory or unsatisfactory on the Milestone Chart and in the grades given for Advanced Research or Dissertation.

xi. The Graduate Chair shall send out a reminder once a year (in the fall semester) regarding the Milestone Chart; it is the student's responsibility to ensure that the Program Office receives the current Milestone Chart. Failure to do so may lead to a “U” grade for research and possible probation.

xii. If a Supervisory Committee member resigns from the institution, the Chair of the Supervisory Committee shall appoint a new member, subject to approval by the Graduate Committee.

xiii. If the Chair of the Supervisory Committee resigns from the institution, he/she shall ensure that the dissertation research is completed. An FAU Graduate Faculty member shall be appointed as a co-advisor for the student by the Graduate Chair.

xiv. While no limit is established for the number of graduate students each Research Advisor may have, the record of the Advisor (publications, Ph.D. students successfully trained, grant funding) shall be used as an indicator by the Graduate Committee.

D. Candidacy Exam

i. The Candidacy Exam must be attempted within three months of finishing all coursework and successfully completed within five months. This exam will be specifically designed for each student by the student’s Supervisory Committee according to the Department guidelines and will focus on the student's selected area of research. Students will be admitted to candidacy upon successful completion of the Candidacy Exam and thereafter must enroll in CHM 7980, Dissertation.
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ii. The Research Supervisory Committee shall be formed at least one year before the Candidacy Exam.

iii. The Candidacy Exam must be done at least one year in advance of the final Dissertation Defense.

iv. The Candidacy Exam consists of a written and an oral component, as detailed below.

Written exam (4 hours). The student’s Supervisory Committee will select three key publications in the student’s area of research. The Supervisory Committee chair will solicit questions regarding these publications from Supervisory Committee members, assemble the exam, ensure that the Supervisory Committee reviews the exam and solicit appropriate assistance with the evaluation. The Supervisory Committee will decide if the exam is to be open- or closed-book format. The student will be given the selected three publications four weeks prior to the written exam. The student must receive a Pass for the written exam in order to proceed to the oral exam.

Oral exam. Must be conducted no later than four weeks after the written exam component, the student will meet with the Supervisory Committee and will field questions related to the subject matter of the written exam as well as other questions in the student’s broader area of research. This is expected to be a thorough examination of the student’s knowledge in the selected area of research. The Graduate Chair may appoint an observer to the examination.

v. A copy of the graded written exam and summary comments on the student’s performance in the oral exam (composed by the Supervisory Committee Chair) will be filed in the Program Office.

vi. Students will be given a Pass or Fail for each exam, or alternatively may be asked to complete additional writing and/or oral assignments in order to achieve a Pass. This decision will be made by the Supervisory Committee.

vii. Students will have a maximum of two opportunities to receive a Pass for the written and oral exams. If the student does not receive a Pass after the second opportunity for the written or the oral exam, he/she will be dismissed from the Ph.D. Program.

viii. Students will be admitted to candidacy upon successful completion of the Candidacy Exam. The Form 8 (Admission to Candidacy for the Doctoral Degree) must be completed and submitted by the student to the Graduate College.

E. Research Proposal

i. In addition to presenting a proposed plan for thesis research activities to the Supervisory Committee, students must also complete an independent research proposal that addresses a topic distinct from their dissertation research. This proposal is to be completed at least one year prior to the final dissertation defense. The Graduate Chair may grant an extension of this deadline upon strong justification. The goal of this exercise is for the student to prepare an original written research proposal and successfully defend this orally to his/her Supervisory Committee. This is designed to test the student's ability to identify and design a research project, which will test problem-solving skills and ability to distill relevant literature and design appropriate experiments to address specific research questions. The proposal is to be composed by the student in either the standard NIH or NSF research proposal formats, or another format as agreed by the Supervisory Committee.

ii. The chosen topic for the proposal must be approved by the Supervisory Committee. The topic must be distinct, though can be related, to the student’s own dissertation research.
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iii. The student shall prepare and send to the Supervisory Committee an abstract, summary page, or synopsis of the proposal for approval prior to writing the full proposal.

iv. Following approval, the student shall have eight weeks to complete the written proposal.

v. The oral examination of the proposal shall occur within two weeks of the submission of the written proposal to the Supervisory Committee.

vi. A Pass or Fail for the proposal is decided by the Supervisory Committee at the end of the oral examination.

vii. Students will have two opportunities to receive a Pass for the Research Proposal. If the student does not receive a Pass after the second opportunity, he/she will be dismissed from the Ph.D. Program.

viii. A copy of the proposal, along with a summary of the student’s performance prepared by the Supervisory Committee Chair, shall be deposited in the student’s file in the Program Office.

F. Dissertation

i. Students must write a dissertation describing their research, which must be approved by the Supervisory Committee. The dissertation must be successfully defended by the student in an oral exam administered by the Supervisory Committee.

ii. Defense of the Dissertation must be done at least twelve months after attaining Candidacy.

iii. The Dissertation research shall be conducted under the guidance of the student’s Research Supervisory Committee. Students are expected to meet with the Advisor and other Committee Members on a regular basis as the Dissertation research proceeds.

iv. The Plan of Study must be updated and submitted to the Graduate College one semester in advance of the Dissertation defense.

v. At the beginning of the semester that the student is planning to defend the Dissertation, the student and the Research Advisor must inform the Graduate Chair.

vi. In the semester that the student plans to defend the Dissertation the student must be enrolled in at least one credit of dissertation (CHM 7980) and submit the Application for Degree form in accordance with the FAU deadlines.

vii. Students not meeting the College and University deadlines shall not graduate in the same semester of defense.

viii. A written draft Dissertation that follows FAU guidelines for formatting shall be submitted by the student for review by the Supervisory Committee at least three weeks prior to the defense.

ix. It is permissible for Ph.D. candidates to adapt their published works for inclusion in their dissertation provided that such insertion follows the norms for thesis writing and FAU formatting guidelines.

x. Research from the Dissertation is anticipated to have resulted in at least one peer-reviewed publication (in press) with the student as first author (or at least a major contributing author) in a journal (ISI impact factor > 0.5). Upon strong justification, the
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Graduate Committee may exempt a student from this requirement at the time of the defense.

xi. The candidate must announce his/her Dissertation defense at least two weeks in advance to the Graduate Chair by email.

xii. The results of the Dissertation research shall be presented in a public forum to which faculty and students of the Program, as well as other interested parties, are invited.

xiii. Following the public presentation, the student shall defend the Dissertation in a public forum. Subsequently, the candidate shall defend the Dissertation in a closed meeting with the Supervisory Committee.

xiv. The Graduate Chair may assign an external faculty member to serve as an observer and the Program’s representative at the defense.

xv. At this meeting, the Supervisory Committee shall vote on approval or disapproval of the Dissertation.

xvi. The student shall have an opportunity to address any stated deficiency in a reasonable period of time and any revisions must be again unanimously approved by the Supervisory Committee.

5. MASTER’S EN PASSANT

i. Ph.D. students wishing to earn the non-thesis Master’s degree along the way (Master’s En Passant) are required to have passed the Ph.D. candidacy exam and have completed the following courses:

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>Introduction to Chemical Research (CHM 5944)</td>
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</tr>
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<td>3</td>
</tr>
<tr>
<td>Graduate Elective Courses</td>
<td>9</td>
</tr>
<tr>
<td>Graduate Seminar (non-thesis) (CHM 6935)</td>
<td>1</td>
</tr>
<tr>
<td>Advanced Research in Chemistry (CHM 7978)</td>
<td>10</td>
</tr>
<tr>
<td>Minimum Degree Total</td>
<td>30</td>
</tr>
</tbody>
</table>

ii. Those students that satisfy the above requirements and wish to apply for the M.S. (non-thesis) should contact the Graduate Chair for further details.

6. DUE PROCESS

i. Students may be dismissed from the Program for a variety of reasons that include failure to meet the stipulations of an approved Academic Progression Plan (APP), failure of the Candidacy Exam twice, failure of the Research Proposal twice, failure to make sufficient progress towards the degree, failure to successfully defend the Dissertation, or failure to adhere to FAU’s Student Code of Conduct Regulations.

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ii. Dismissal from the Program shall follow the procedure for academic dismissal as outlined in the Provost's Office Memorandum entitled "Academic Dismissal of Students from a Graduate Degree Program".

iii. If the student wishes to make a change of Research Advisor, he/she shall first obtain approval from the Department Chair and the Graduate Chair. Approval shall be granted subject to availability of funds in the prospective Research Advisor's laboratory and the suitability of the Research Advisor's area of research. If approved, the student shall complete the Candidacy Exam requirements according to the newly constituted Research Supervisory Committee. Students must successfully complete the Candidacy Exam and Research Proposal in the new laboratory.

iv. Upon strong justification to the Graduate Committee, a Research Advisor may elect to resign from the Chair position of a Supervisory Committee. In such cases, the Graduate Chair shall reassign the student to a new laboratory.

v. The student may request a change of a Supervisory Committee member to the Graduate Chair; a written justification is required.

vi. If the Candidacy Exam is not deemed satisfactory by the Supervisory Committee, the student shall have an additional semester to address the deficiency. The Supervisory Committee Chair shall notify the Graduate Chair of the proposed measure recommended to address the deficiency. The Graduate Chair may elect to have an observer if a subsequent Supervisory Committee meeting is scheduled to address the deficiency.

vii. The student shall have the right to petition to the Graduate Committee to review any grievance. The student shall provide justification in writing to the Graduate Chair.

viii. Students requesting a voluntary transfer from the Ph.D. Program to the Master's Program must submit the request along with a justification to the Graduate Chair. The Graduate Committee shall vote on the request. Its decision is final.

ix. The student shall have the right to petition the Graduate Chair for a leave of absence due to illness or other unforeseen circumstances; The Graduate Chair may grant a leave of absence for a limited period of time.

7. SAMPLE SCHEDULE OF PROGRESS TO DEGREE

The following is a recommended timeline to assist students in making satisfactory progress toward completion of the degree. Students should aim to complete all degree requirements, apart from Dissertation credits, within the first three years and to finish the degree in five years.

Year 1

1) First semester: take two courses and gain admission to a research laboratory; discuss a program of courses with your Research Advisor. Your elective courses should be chosen to strengthen your background in your selected field of research.

2) Second semester: take two additional courses and start research (develop research objectives); Complete your Plan of Study; Choose your Research Supervisory Committee in consultation with your Research Advisor.

3) Third semester: continue courses and research; plan for the first meeting with your Supervisory Committee.
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Year 2

1) Continue Research
2) Complete all core and elective coursework.
3) First Supervisory Committee meeting at the end of the second year.

Year 3

1) Candidacy Exam early in year 3 (first or second semester).
2) Complete the Research Proposal (second or third semester).
3) Continue research and present progress to the Supervisory Committee.

Beyond Year 3

1) Complete Dissertation research (at least 25 credits).
2) Plan to meet at least once per year with the Supervisory Committee.
3) Have at least one peer-reviewed, first authored (or a major contributing author) publication (minimum one) published or in press before the Dissertation defense.
4) Submit Dissertation to the Research Supervisory Committee.
5) Present your Dissertation research in a public forum.
6) Successfully defend your Dissertation and receive approval of the Dissertation.
7) Submit final copies of the Dissertation to the Graduate College.

Students are expected to submit research findings for publication in scientific journals throughout their Ph.D. program. It is generally expected that students graduate within five years. Students may be eligible to graduate earlier subject to the approval of their Research Supervisory Committee. Students not finished within seven years will have their matriculation in the program re-evaluated by the Graduate Committee and must petition for continuance.

8. KEY FORMS AND DOCUMENTS

The following is a list of forms and other documents that are relevant to graduate students. All are available online through the Graduate College website www.fau.edu/graduate.

- Admission to Candidacy for the Doctoral Degree (Form 8), http://www.fau.edu/graduate/forms-and-procedures/index.php
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- **Request to Waive a University Requirement (Form 10),** [http://www.fau.edu/graduate/forms-and-procedures/index.php](http://www.fau.edu/graduate/forms-and-procedures/index.php)
- **Academic Progression Plan (Form 11),** [http://www.fau.edu/graduate/forms-and-procedures/index.php](http://www.fau.edu/graduate/forms-and-procedures/index.php)
- **Graduate Equivalent Full Time Status Waiver (Form 14),** [http://www.fau.edu/graduate/forms-and-procedures/index.php](http://www.fau.edu/graduate/forms-and-procedures/index.php)
- **Graduate Withdrawal Form (Form 15),** [http://www.fau.edu/graduate/forms-and-procedures/index.php](http://www.fau.edu/graduate/forms-and-procedures/index.php)
- **Application for Degree,** [http://www.fau.edu/graduate/forms-and-procedures/index.php](http://www.fau.edu/graduate/forms-and-procedures/index.php)
- **Academic Dismissal of Students from a Graduate Degree Program (Provost’s Memorandum),** [https://www.fau.edu/provost/resources/policy-memoranda.php](https://www.fau.edu/provost/resources/policy-memoranda.php)

The following forms may be obtained from the Chemistry and Biochemistry Ph.D. Program Office:

- **Graduate Student Milestone Chart**
- **Research Supervisory Committee Approval Form**

9. TERMS AND DEFINITIONS

The following is a list of terms used in this document and their meanings.

- **Department** – the Department of Chemistry and Biochemistry.
- **Program** – the Ph.D. program in the Department of Chemistry and Biochemistry.
- **Program Office** – the main administrative office of the Department of Chemistry and Biochemistry, located in PS-110 on the Boca Raton campus.
- **Department Chair** – the Chair of the Department of Chemistry and Biochemistry.
- **Graduate Committee** – the Graduate Programs Committee for the Department of Chemistry and Biochemistry, responsible for overseeing the policies and procedures of the Ph.D. program.
- **Graduate Chair** – the Chair of the Graduate Programs Committee in the Department of Chemistry and Biochemistry.
- **Graduate Faculty** – any faculty member with permission to serve on a Ph.D. Supervisory Committee.
- **Supervisory Committee** – the group of Graduate Faculty (typically four members) responsible for supervising the Ph.D. student’s research and other degree requirements.
- **Research Advisor** – the Principal Graduate Faculty member responsible for overseeing the student’s research and other degree requirements. The Research Advisor is typically also the Chair of the Student’s Supervisory Committee, or a co-Chair if the Research Advisor is an Emeritus or Affiliate with Graduate Faculty status.
10. ADDENDUM

Any addendum to these guidelines shall be approved by the Graduate Committee.