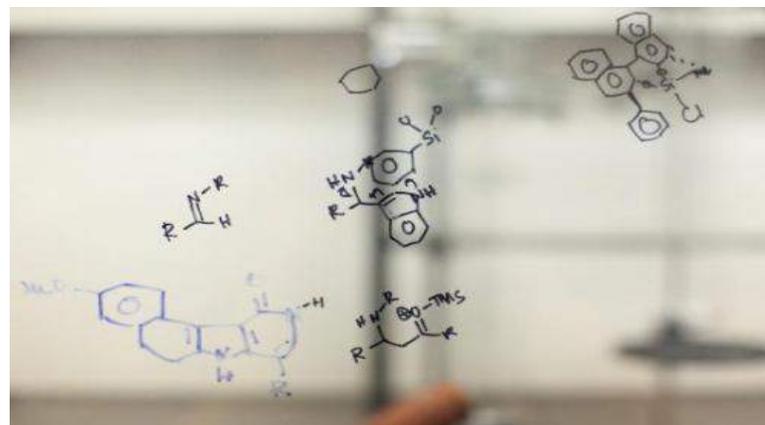
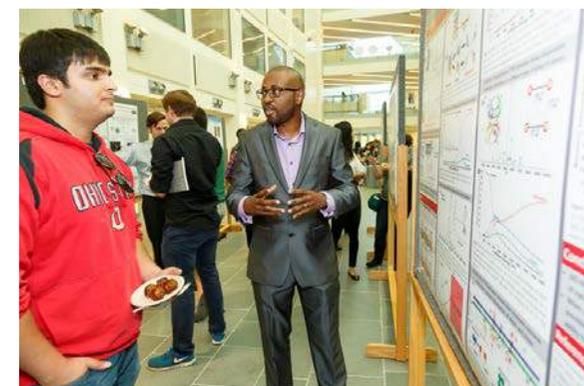


# Chemistry and Biochemistry at



# WELCOME!!!



# Chair and Graduate Studies

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Prof. Susan V. Olesik

*Chair*

*Department of Chemistry and Biochemistry*

## **Graduate Studies – 1110 Newman-Wolfrom**

Prof. Claudia Turro

*Vice Chair for Graduate Studies*

*Department of Chemistry and Biochemistry*

Jennifer Hambach

*Admissions and Orientation*

Kelly Burke

*Program Coordinator*

*Chemistry PhD*

# Graduate Studies



*OSBP PhD*  
Interdisciplinary

*Chemical Physics PhD*  
Interdisciplinary



*Chemistry PhD*  
Department of Chemistry and Biochemistry

# Graduate Studies

- Requirements for PhD degree – **Department**
- Remain in Good Standing – **Graduate School, Department**
- Adhere to the OSU Code of Student Conduct – **University**
- Research ethics and safety – ethics handout / safety course
- Courses – credit hour requirements
- Choosing an advisor – faculty presentations
- Graduate Appointment Dates – expected to be at OSU
- Teaching – responsibility and policies when a GTA

# University Rules

**Code of Student Conduct** – you have received a hard copy and the code is always available online at <http://studentaffairs.osu.edu/csc/>

<http://studentlife.osu.edu/csc/>



## General Information

Mission

▶ Code of Student Conduct/Policies

Records Policies/Disciplinary  
Clearances

Criminal Process vs. Student  
Conduct Process

Sexual Harassment by Students

Interim Suspension

Disruptive Students

Troubled Students

## General Information : Code of Student Conduct/Policies

The Code of Student Conduct is established to foster and protect the core missions of the university, to foster the scholarly and civic development of the university's students in a safe and secure learning environment, and to protect the people, properties and processes that support the university and its missions. Preservation of academic freedom and free and open exchange of ideas and opinions for all members of the university are central to these missions.

The Code can be accessed at: <http://studentlife.osu.edu/csc/>

For information regarding IT/computer policies: <http://cio.osu.edu/policies/index.html>

For Residence Hall policies: [http://housing.osu.edu/current\\_policies\\_handbook.asp](http://housing.osu.edu/current_policies_handbook.asp)

For Parking policies: <http://tp.osu.edu/students/parking/parking.shtml>

## Important points

- Academic misconduct
- Endangering health or safety
- Sexual misconduct
- Destruction of property
- Dangerous weapons or devices
- Dishonest conduct / Theft
- Failure to comply with authority
- Disorderly or disruptive conduct

# Graduate School Rules

- Minimum credit hours to maintain full-time student status and graduation
- Minimum GPA requirements – maintain GPA  $\geq 3.0$
- Rules regarding PhD Candidacy, appointments, and degrees (deadlines)
- Online forms – graduation, candidacy, and course enrollment permission



**Graduate School Handbook**  
<https://gradsch.osu.edu/handbook>



# Department - Degree Procedures

## Department of Chemistry & Biochemistry



### Graduate Studies

Our students are the heart of our graduate programs in chemistry and biochemistry. They are a collection of outstanding young scholars from nearby in Ohio and the Midwest, across the country, and all corners of the globe.

We provide them with excellent training in the classroom and in the research laboratory. Our graduate students go on to hold positions in the finest universities, companies, and government laboratories, and we take pride in their research and professional accomplishments.

Chemistry Ph.D. students receive continuous financial support as graduate fellows, graduate research associates, or graduate teaching associates. You will find research opportunities in analytical, biological, inorganic, organic, and physical chemistry, as well as interfacial areas such as chemical physics, environmental chemistry, materials, and theoretical chemistry.

Graduate studies in biochemistry are available through several programs. Students will find many options in biological chemistry and chemical biology in the Chemistry Ph.D. Program. Biochemistry M.S. studies are available as a focused program in biotechnology. Biochemistry Ph.D. studies are also available through the interdepartmental Ohio State Biochemistry Program (OSBP), which includes many faculty from the Department of Chemistry and Biochemistry. The support and academic structures of these programs vary; see the links at the right for more information.

Several faculty members in the Department of Chemistry and Biochemistry also participate in other interdepartmental Ph.D. programs, including Biophysics, Chemical Physics, Environmental Sciences, and Molecular, Cellular & Developmental Biology.

We are pleased that you are interested in learning more about our programs and hope that the content of this website is both interesting and informative. Please contact the [Graduate Studies office](#) if you can't find the answers to your questions here.

#### [Chemistry Graduate Program](#)

Graduate courses and research programs leading to M.S. and Ph.D. degrees in all areas of chemistry including analytical, biological, inorganic, organic, physical and theoretical chemistry. [Apply to the program.](#)

#### [Biochemistry M.S. Program](#)

M.S. options include an M.S. degree with emphasis in biotechnology.

#### [Training Grants](#)

These training programs sponsored by the National Institutes of Health provide fellowship support to Ph.D. students in several graduate programs, including Chemistry, OSBP and MCDB.

[Cellular, Molecular, and Biochemical Sciences Program \(CMBP\)](#)  
[Chemistry-Biology Interface Training Program \(CBIP\)](#)

#### [Interdepartmental Programs](#)

These campus-wide Ph.D. programs include many of the faculty of the Department of Chemistry & Biochemistry

[Ohio State Biochemistry Program \(OSBP\)](#)  
[Biophysics Graduate Program](#)  
[Chemical Physics Program](#)  
[Environmental Sciences Graduate Program](#)  
[Molecular, Cellular & Developmental Biology \(MCDB\)](#)

## Department of Chemistry & Biochemistry



### Chemistry Graduate Studies

Program Home | [First Year](#) | [Second Year](#) | [Third Year](#) | [Fourth Year](#) | [Fifth Year](#) | [Registration](#) | [Graduation](#) | [Resources](#)

### Programs of Study

## Department of Chemistry & Biochemistry



### Graduate Studies Resources

[Program Home](#) | [First Year](#) | [Second Year](#) | [Third Year](#) | [Fourth Year](#) | [Fifth Year](#) | [Registration](#) | [Graduation](#) | [Resources](#)

#### Department of Chemistry and Biochemistry Summary of Procedures and Requirements for Graduate Degrees

[2014](#) | [2013](#) | [2012](#) | [2011](#) | [2010](#) | [2009](#) | [2008](#) | [2007](#)

#### Funding

Students are usually funded as teaching associates, research associates or as Fellows. For more information please see the [Graduate Appointment page](#).

#### Gradforms Help

Reference materials for [students](#) and [faculty](#).

#### Online Resources

##### Chemistry & Biochemistry

- [2015-2016 CUME Exam Schedule](#)
- [A&S Business Service Center](#)
- [Accounting](#)
- [Computer Support](#)
- [Human Resources](#)
- [HR Exit Form](#)
- [Job Postings](#)
- [NOBCChE](#)
- [Petition for Continued Financial Support](#)
- [Travel Agreement](#)

##### Graduate School

- [Graduate School](#)
- [Graduate School Handbook](#)
- [Forms, Guidelines, and Policy](#)
- [Registration and Fee Deadlines](#)
- [Resources for Graduate Students](#)

##### University

- [18th Avenue Library](#)
- [Academic Calendar](#)
- [Counseling and Consultation Services](#)
- [Office of International Affairs](#)
- [Research Commons](#)
- [Student Health Insurance](#)
- [Student Health Services](#)
- [Student Service Center](#)
- [UCAT](#)



# Department – Degree Procedures

- Good standing in the program – required for appointment
  - Research progress, have an advisor, meet candidacy and graduation deadlines
  - Performance as a GTA, GPA >3.0
- Coursework requirements by division
- First year oral exam by division
- Seminar requirements by division
- Candidacy requirements

# Department – Degree Procedures

## *First year – Coursework and Advisor Selection*

Take courses – *you have already signed up for classes*

Attend faculty research presentations and safety seminar

Advisor selection; engage in research during spring semester

*Early Summer* – oral exam on a literature paper (replaces cumulative exams except in the organic division)

*Second year* – Ph.D. candidacy exam – write research progress report and proposal based on your thesis research; oral defense

*Seminar Presentations* – requirements vary by division

*Fourth, Fifth year* – **Graduate!!!**

# Min and Max Credit Hours

Minimum credit hours required to have full-time student status

*You cannot hold a GTA or GRA appointment if not full-time*

	<u>Autumn/Spring Semesters</u>	<u>Summer Term</u>
Pre-candidacy . . . . .	8	4
Post-Candidates . . . . .	3	3
Fellows/Trainees . . . . .	12	6
Maximum Hours . . . . .	18	8

**Good standing to hold GTA or GRA position:**

- (1) Maintain 3.0 GPA
- (2) Make progress towards degree

# Courses and Research

- First semester (8 units min, 12 if on fellowship)

Courses required by your division (3 – 6 units)

Departmental seminar – Chem 8891-5 (1 unit)

First half: Faculty research presentations - Chem 6780 (1 unit)

**-attend 2 nights for your division and then 3 other nights**

Second half: Safety Seminar – Chem 6781 (1 unit)

English (as needed for International students)

- Second Semester (8 units min, 12 if on fellowship)

Courses required by your division (3 – 6 unit)

Departmental seminar – Chem 8891-5 (1 unit)

Research (variable units)

English (as needed for International students)

- Summer (4 units min, 6 if on fellowship)

Research (variable units)

First-year oral and research

# Advisor selection

## Autumn Semester

*First 7 weeks:* Faculty research presentations –

***Must attend 5 sessions: 2 for your division and 3 others***

*Entire semester:* “Further Exploration”

*Mid-December:* Placement into research group

**Further Exploration** – ongoing throughout Autumn Semester

**Self-directed** - to acquaint yourself with potential advisors and research group

- a short rotation
- attendance at group meetings
- conducting interviews with the advisor and/or group members
- reviewing publications, funding, # of PhD graduates, etc.

# Joining a Group

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**Faculty interviews are two-sided!**

***Faculty will be looking at:***

Student performance in courses

Level of interest of the student in the research

***Student interested in (aside from research subject):***

Interactions with research group

Level of funding – GRA vs GTA positions

Size of group

Number of publications

Job placement of former graduates

# Advisory Committee and Areas of Study



***Advisory Committee:*** two faculty members

Members of your PhD Candidacy Committee  
Annual progress meetings years 3 and 4.

## ***Traditional areas***

Analytical, Biochemistry, Inorganic, Organic, Physical

## ***Multidisciplinary***

*Examples:* Bioinorganic, Materials, Environmental, etc.

- Once you join a group, build your own curriculum with your advisor
- The curriculum must then be approved by the Vice Chair for Grad Studies

# GTA Appointments

- GTA training August 15<sup>th</sup>-19<sup>th</sup> and August 22<sup>nd</sup>
- Evaluation of teaching by students (SEIs)
- Evaluation of teaching by the instructor

**E** = Excellent: performance well exceeded expectations

**S+** = above Satisfactory: performance exceeded expectations

**S** = Satisfactory: performance met expectations

**S-** = below Satisfactory: performance did not meet expectations

**U** = Unsatisfactory: performance well below expectations

Evaluation of **U** results in suspension from teaching program for two terms (no salary); a second **U** results in dismissal from teaching; a further **S-** may result in dismissal, suspension, or probation

Two **S-** evaluations equal a **U**

**Your AU16 GTA/GAA appointment lasts through Dec. 15; you may not leave for the winter break before this date.**