

## ABOUT US

Chemistry Department  
Louisiana State University  
Baton Rouge, LA 70803

60+ years of excellence  
in chemistry education  
and research.

For more information,  
contact us at:  
[chemgrad@lsu.edu](mailto:chemgrad@lsu.edu)

### What We Look For

Applicants should have a B.S. in Chemistry or a related field with a minimum GPA of 3.0. For students with a B.S. in Chemistry, a minimum of 12 credit hours in upper-level chemistry courses is required. For students with a B.S. in a related field, a minimum of 18 credit hours in upper-level chemistry courses is required. All applicants must submit a resume, a letter of intent, and three letters of recommendation.

Applicants should also have a minimum GRE score of 300 in the quantitative section. For international students, a minimum TOEFL score of 100 is required.

Applicants should also have a minimum GPA of 3.0 in their undergraduate chemistry courses. For students with a B.S. in Chemistry, a minimum of 12 credit hours in upper-level chemistry courses is required. For students with a B.S. in a related field, a minimum of 18 credit hours in upper-level chemistry courses is required. All applicants must submit a resume, a letter of intent, and three letters of recommendation.

### Coursework

#### Master of Science

The Master of Science program requires 24 credit hours of coursework, including 6 credit hours of research. The program can be completed in 1.5 years.

#### Doctor of Philosophy

The Doctor of Philosophy program requires 36 credit hours of coursework, including 12 credit hours of research. The program can be completed in 3 years.

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## RESEARCH HIGHLIGHTS

### Smart colloids and nanomaterials for environmental applications

A. J. Hill, A. J. Hill, [AC E . A . 2022](#), [. . . . . 2022](#),  
D., [AC A . . . . . 2020](#)

### New electrochemical strategies for clean energy and catalysis

D. J. Hill, [. . . . . 2018](#) F. J. Hill, [. C . . . . . 2019](#)

### Commodity & functional polymers: precision synthesis & depolymerization

B. J. Hill, [AC A 2022](#) D. J. Hill, [. . . . . C . m. 2022](#) j. Hill,  
B. J. Hill, [. . . . . E . C . m. . 2021](#), A. J. Hill, [AC B E 2022](#)

### Machine learning-based process control and multi-scale modeling

B. J. Hill, A. J. Hill, [. . . . . E . C . m. . 2021](#), [. . . . . E . c . c . m. .  
. . . . . c., 2020](#), [. . . . . B . m . c . 2021](#)