

| REQUIRED CORE COURSES – 7.5 credit hours | | | Check if completed |
|---|---|---|-------------------------------------|
| CHEM 5420 | Spectroscopy of Organic Compounds | 1.5 ch | |
| CHEM 6410 | Basic Organic Reaction Mechanisms | 1.5 ch | |
| CHEM 6420 | Stereochemistry and Conformational Analysis | 1.5 ch | |
| CHEM 6430 | Introduction to Organic Synthesis | 1.5 ch | |
| CHEM 6440 | Introduction to Physical Organic Chemistry | 1.5 ch | |
| | | | Total = 7.5 credit hours |
| EITHER CHEM 7450 OR CHEM 7460 | | | Check if completed |
| CHEM 7450 | Metals in Organic Synthesis | 1.5 ch | |
| CHEM 7460 | Advanced Organic Reaction Mechanisms | 1.5 ch | |
| | | | Total >= 1.5 credit hours |
| 6 ADDITIONAL GRADUATE CREDIT HOURS | | | |
| -3 of these credit hours must be for courses outside of the Organic Division | | | |
| Course Number | Course Name | # Credit Hours | Check if completed |
| 1. | | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| | | | Total >= 6 credit hours |
| Total credit hours of graded graduate lecture classes >= 15 credit hours | | | |
| OTHER REQUIRED COURSES | | | |
| CHEM 6780 | Faculty Research Presentations | 1 credit hour | |
| CHEM 6781 | Laboratory Safety | 1 credit hour | |
| CHEM 6782 | Ethics in Scientific Research | 1 credit hour | |
| CHEM 8894 | Organic Divisional Seminar | 1 credit hour; repeatable each Autumn and Spring semester | |
| CHEM 8998 | Non-Dissertation Research | 1-15 credit hours; First Autumn semester only | |
| CHEM 8999 | Dissertation Research | 1-15 credit hours; repeatable each semester | |