

## UCLA Analytical/Instrumentation Chemistry Specialization 2024-2025

**Student Information:** DSP students are expected to earn their M.S. degree in one year (Fall, Winter, and Spring) and have the option to extend their graduation to the Summer.

### Course Requirements:

- One of these two sets of courses:
  - a. Chem C215A, Chem C223A
  - b. Chem C243A, Chem 244A
  - c. Chem C279 and CM205A
- One of these courses: Chem 257, Chem C285
- At least 8 units from: Chem 236, Chem 266, Chem 269, Mat Sci 211, Mat Sci 225, Bioengr C204, Bioengr M225, Bioengr M248, or other courses approved by area specialization advisor
- Two elective courses approved by area specialization advisor
- Chem 400 (S/U grade)
- Chem 598 (research units with your advisor) every quarter
- Group meeting with your advisor every quarter (attendance required, enrollment optional)

***\*All courses must be taken for a letter grade unless it is only offered as S/U\****

| SAMPLE COURSE PLAN   |                                 |  |                |
|----------------------|---------------------------------|--|----------------|
| Quarter              | Course #                        | Course Title                                       | Units          |
| Fall                 | Chem 236                        | Spectroscopic Methods of Organic Chemistry         | 4              |
|                      | Chem 244A                       | Organic Synthesis: Methodology and Stereochemistry | 4              |
|                      | Elective                        | <b>See Advisor</b>                                 | 4              |
|                      | Chem 598                        | Research for and Preparation of MS Thesis          | 2              |
| Winter               | Chem C243A                      | Structure and Mechanism in Organic Chemistry       | 4              |
|                      | Elective                        | <b>See Advisor</b>                                 | 4              |
|                      | Chem 400                        | Safety in Chemical and Biochemical Research        | 2              |
|                      | Chem 598                        | Research for and Preparation of MS Thesis          | 4              |
| Spring               | Chem 266                        | Proteomics and Protein Mass Spectrometry           | 4              |
|                      | Chem 285                        | Materials Chemistry Laboratory                     | 5              |
|                      | Chem 598                        | Research for and Preparation of MS Thesis          | 4              |
| Summer<br>(optional) | Must register for a UCLA course |  | 1 unit minimum |