



## CHEM4901

### Internship/Research in Applied Chemistry

## Course Information

### Course description

CHEM4901 provides hands-on experience in an applied setting. Students relate their internship experience to the knowledge, skills and values gained through college-level classroom teaching.

**NOTE:** CHEM4901 does not follow a traditional teaching structure. Students work with a mentor/supervisor on a project that is normally set outside of the classroom environment. **Finding an internship requires students to be pro-active!**

### Requirements to register for CHEM4901

- 1) Having completed CHEM2323 or CHEM3412 **AND**
- 2) Departmental Approval. Departmental approval is granted once:
  - o **Students have ALREADY found a mentor/supervisor\*** for the internship, have arranged a project, and have submitted the corresponding Approval form. Check with the Chemistry Department Chair or the department Internship Coordinator\* the appropriateness of the project before submitting the form! And,
  - o **Students provide evidence of having completed Title IX training** (<http://www.citytech.cuny.edu/title-ix/>)

\*The mentor/supervisor is someone different from the Internship Coordinator (Prof. Martinez [amartinez@citytech.cuny.edu](mailto:amartinez@citytech.cuny.edu)).

### Resources where students can find internship opportunities

- 1) The Chemistry Department [OpenLab site](#). The department posts any opportunity that comes to our hands at the Chemistry OpenLab site, together with application instructions and deadlines.
- 2) The [Professional Development Center](#) (PDC) at City Tech. The PDC provides career advising, and they recently launched Handshake, a platform to search for internships and jobs.
- 3) The [Undergraduate Research Committee site](#).

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- 4) Faculty members at [City Tech](#) or other universities.
- 5) [REU Opportunities](#).
- 6) [Pathways to Science](#).
- 7) Local pharmacies or medical/dental offices (this is acceptable as long as it aligns with students' future career goals).
- 8) [American Chemical Society \(ACS\) site. Internships](#) for undergraduate students
- 9) Other venues: [RippleMatch](#), [LinkedIn](#), [Indeed](#), or other web search engines.

### Expectations from students to get a grade for CHEM4901

- 1) Students must complete **135 hours of applied work**, approximately.
- 2) **Submit a three (3)-pages midterm report** (guidelines, templates, and deadlines provided once students register for the class).
- 3) **Submit a ten (10)-pages final report** (guidelines, templates, and deadlines provided once students register for the class).
- 4) **Perform a fifteen (15) minutes oral presentation** at the end of the semester when students register (guidelines, templates, and deadlines provided once students register for the class).
- 5) **Submit a CV and cover letter** that has been revised by the PDC.

### Expectations from supervisors

- 1) Mentor and supervise students.
- 2) Fill out an evaluation form (provided by the Internship Coordinator to the supervisor towards the end of the semester).

**IMPORTANT:** Students might do the internship work prior to the semester when they register for the CHEM4901 Internship class. Example: students taking internships over the summer, and registering for the CHEM4901 class in the fall. Students would have to submit the assignments during the semester when they register. However, students should still check with the Chemistry Department Chair or the departmental Internship Coordinator the appropriateness of the work, and the approval form should be submitted before starting to work on a project.