

Chemical Products Intern

Location: Brooklyn, NY.

Employment type: Paid internship, part/full-time during the Fall semester.

Experience: Student seeking BS / MS / PhD in a relevant engineering or science field (for example: organic chemistry, physical chemistry, polymer science, material science, chemical engineering) OR graduated recently with these credentials.

Capro-X background

Capro-X is a sustainable biorefining startup using natural biotechnology to upcycle food and agricultural waste into clean water and carbon-negative replacements for unsustainable chemicals sourced from palm and petroleum. Today, Capro-X is focused on upcycling dairy byproducts into building blocks for beauty, biofuels, and bioplastics. Capro-X recently received investment from SOSV through the IndieBioNYC Program; has been awarded multiple Phase 1 and 2 Small Business Innovation Research awards (NSF, EPA, DOE); selected to impactful accelerators (Carbon to Value Initiative, Heritage Group Accelerator, Swissnex); and won key pitch competition prizes (Rabobank FoodBytes! and Grow-NY).

Job description & requirements

Capro-X is searching for a **Chemical Products Intern** to join our growing team in Brooklyn, NY for the Fall semester of 2026. The intern will be joining at an exciting time for the company, as we are scaling production; generating samples for customers in the animal feed, personal care, bioplastic, and biofuel markets; and beginning direct-to-customer sales through our website.

The intern will work at our Brooklyn lab and support chemical product synthesis, purification, analysis, and process design. The ideal candidate will bring hands-on wet-lab experience in polymer and/or small-molecule synthesis and analysis, along with the experience in the following: multi-step organic synthesis; chromatography such as TLC, HPLC, or GC; recrystallization; and distillation. Clear, effective communication is required, along with the ability to manage and organize multiple project demands.

The intern will gain first-hand experience in a challenging and dynamic environment – we strive to provide broad experiences that come with joining a growing startup; we're looking for a new team member with deep chemistry interest for their career, a multidisciplinary background, a "get it done" attitude, and share our ambition to bring greater sustainability to the world.

Responsibilities

- Maintain high standards of laboratory safety in compliance with NYC, facility, and company laboratory safety policies.
- Closely follow good manufacturing practice standard operating procedures and documentation requirements.
- Support on-going R&D programs by conducting multistep synthesis with the supervisor's assistance.
- Apply appropriate purification techniques (extraction, re-crystallization, distillation, chromatography) to purify target products.
- Apply appropriate analytical techniques (TLC, HPLC-MS, GC-MS, NMR, IR, UV, TGA, DSC) to evaluate target products.
- Keep an accurate and detailed laboratory notebook.
- Maintain workplace, bench, glassware, and equipment clean and organized.
- Perform literature reviews on developing and manufacturing small molecules, biofuels, and bioplastics.
- Continue to learn from literature, meetings, and other team members to solve practical problems.
- Collaborate with other team members to develop experimental approaches through ideation, design, construction, and analysis phases.

Qualifications

- Fundamental knowledge in general chemistry, organic chemistry, and modern analytical chemistry.
- Experience in wet-lab environment, in particular with organic/polymer chemistry research.
- Ability to perform independent research, set and achieve milestones.

- Able to learn on your own, seek out knowledge.
- Strong writing and presenting skills to communicate with team.
- Ability to lift 50 pounds regularly.

Education and experience level

- Student seeking BS/MS in a relevant engineering or science field (for example: chemistry, polymer science, material science, chemical engineering, biochemical engineering) OR graduated recently with similar credentials.
- Industrial and/or academic experience are preferred (previous internship, independent research).

Equal employment opportunity statement

Capro-X, Inc. is an Equal Employment Opportunity (EEO) employer and welcomes all qualified applicants. Applicants will receive fair and impartial consideration without regard to race, sex, color, national origin, age, disability, veteran status, genetic data, gender identity, sexual orientation, religion, or other legally protected status, or any other classification protected by federal, state, or local law.

Applicants must be eligible to work in the US without restrictions for any employer at any time. As a condition of employment, all selected candidates will undergo Capro-X's standard pre-employment checks, which include but are not limited to a background check regarding criminal history, driver's license, education, and employment.

Capro-X will not accept unsolicited candidate referrals or resumes / CVs from third-party vendors, including recruitment agencies; we will not be responsible or liable for any fees or costs associated with such unsolicited submissions.

Next steps

Interested candidates should submit application materials to hiring@capro-x.com with the following tag in the subject line: **[CPRX chem prod intern 2026]**. Improperly addressed applications may be lost in automated filters.