The ChAMP program is designed to prepare M.S. and Ph.D. scientists for modern careers in the Physical Sciences and Engineering, where cross-disciplinary education with an emphasis on applications is in increasing demand. Designed to cater to students with backgrounds in Applied Physics, Chemistry, Physics, or Engineering, the program unifies physical and chemical approaches to the study of matter, through the applied science of modern materials.

Students receive M.S. and Ph.D. degrees in:
- Physics, Chemistry, Chemical and Biochemical Engineering, or
- Materials Science and Engineering

**Nano and Quantum**

**Biophysics, Chemical, and Synthetic Biology**

**Pre-first year summer training program for 2021**
- Faculty seminars in Chemistry, Physics, and Chemical and Biomolecular Engineering
- Instrument training workshops - EDS and scanning and transmission electron microscopy
- Nanofabrication workshops at the Integrated Nanosystems Research Facility (INRF)
- Research Lab Rotations
- Industry connections & career preparation @ UCI COVE
- Course in device development, measurements, and simulation using Labview, Matlab, Comsol, CAD, 3D printing, Arduino
- Course in Chemistry for Physicists. Introduction to fundamental