GRADUATE LEARNING GOALS & OUTCOMES

KNOWLEDGE:

- There is currently no Knowledge section contained in the Bulletin.
- Potential Knowledge goals might include:
  - The PhD program is designed to provide students with a deep understanding of the mechanisms governing the workings of biological macromolecules in terms of the principles of chemistry and physics.
  - The curriculum provides advanced education in the principles and practice of macromolecular chemistry, mechanism, and structure.
  - In-class courses emphasize the arts of navigating the relationships between macromolecular structure and function.
  - Advanced seminar-type classes emphasize analyzing primary literature in specialized topics.
CORE SKILLS:

- Emphasis in the graduate program is placed upon experimental research work to train students to carry out independent original research.
- Students are also trained to use tools of mathematics and physics to engage with problems arising in the behavior of proteins, nucleic acids, and membrane assemblies.
- All PhD students are required to assist with the teaching of two one-semester courses.
- Students are given numerous venues to practice conveying scientific information via expository writing and public speaking.
- Students are encouraged to attend and present research results at professional scientific meetings.
- Trainees are required to propose and defend – orally in writing – two research projects of their own choice, as models for writing grant proposals.

SOCIAL JUSTICE: N/A

GRADUATE OUTCOME LANGUAGE: N/A

UNDERGRADUATE LEARNING GOALS & OUTCOMES

KNOWLEDGE: N/A

CORE SKILLS: N/A

SOCIAL JUSTICE: N/A

UNDERGRADUATE OUTCOMES: N/A