

## Student Learning Outcomes

Ph.D. Biochemistry  
CIP Code 260202

Graduates from the Biochemistry program will have demonstrated:

1. understanding of the key principles of biochemistry at an advanced level.
2. awareness of the major issues at the forefront of the discipline.
3. an in-depth understanding of the area of biochemistry chosen for research emphasis.
4. ability to design and carry out experiments (safely) and to interpret experimental data.
5. ability to assess primary papers critically.
6. production of substantial original research of significance and quality sufficient for publication.
7. ability to collaborate with other scientists, including people of diverse backgrounds.
8. ability to present and defend their work through written, oral, and visual presentations, including an original research proposal.
9. awareness of ethical issues in biochemical research and careers.