Ike Shibley: BIOGRAPHY

Ike Shibley is associate professor of chemistry at Penn State Berks, a small four-year college within the Penn State system. He received his B.S. in chemical engineering from the University of Pittsburgh and his Ph.D. in biochemistry from East Carolina University. Between undergraduate and graduate school he spent four years in the Navy where he taught nuclear physics and radiation safety. He now teaches introductory chemistry, general chemistry, organic chemistry, biochemistry, philosophy of science courses, first-year bioethics seminar, and senior science seminar. He has won both local and university-wide awards for his teaching.

Ike has been teaching flipped course for almost a decade. He teaches web-enhanced, blended (or hybrid), and fully online courses. His most recent scholarship involves pedagogical approaches to improving science instruction in college courses. As part of a team of six professionals Ike helped redesign a general chemistry course over 18 months. The course has now been delivered in a flipped format for six years with an average GPA almost 25% higher than previous years. Ike also redesigned a nutrition course that was taught in a blended format that met only half the number of hours of a traditional course with comparable grades. Most recently he has designed a fully online one-semester organic chemistry course and a web-enhanced face-to-face organic chemistry course. He is currently leading a team to create a fully online Biology I course for science majors and has created two flipped 400-level biology courses.