Educational Program

Educational Activities for High School Students:

- Lectures on food systems, computing challenges, and software platforms
- Software simulation testbeds

Honors Undergraduate Curriculum: New courses at the intersection of computer science, food science, and Agriculture Economics

- Modeling and Optimization of food systems
- Incentives and Mechanism Design for food systems
- Blockchains for Supply Chains
- Genomic Barcoding and Watermarking

Educational Program

Graduate Program in Computational Food Science
- Patterned after the CSE and CLS programs at Purdue
- Create new bridge courses for the program
- Identify relevant courses on campus and work to customize them
- Create a colloquium series for the specialization

Postdoctoral Fellows Program
- Postdoctoral scholars affiliated with more than one theme.
- Mentoring and sustained engagement
- Leadership opportunities

Broadening Participation in Computing

Cohorts

- Students from Rural Backgrounds
- First Time College Attendees
- Women
- Traditionally Underrepresented Groups

Broadening Participation in Computing

Activities

- Presentations to local (rural) area schools
- Tracking application and admission
- Creation of learning communities
- Mentoring (Horizons program) and placement
- Outreach through Grade Hopper, Tapia, SACNAS
- Retention programs
- Long-term engagement programs
- Scaling to a nationwide program through CropHub