Career Opportunities
Continued growth in North Carolina's biomanufacturing industry will require new employees with complex training and technical skills tailored to these highly regulated positions. Close to 2,500 new employees will be needed each year in biopharmaceutical and pharmaceutical manufacturing industries. Students will be prepared for jobs ranging from entry-level manufacturing operators to research engineers. Jobs that are essential to biomanufacturing are: Maintenance and/or Instrument Technician, Process Technician, Quality Control Assistant/Associate, Quality Assurance Associate, Process Development Associate/Scientist, and Process Engineer.

Research
The BBS program in coordination with other University efforts, specifically the Biotechnology program (BIT) and the Biomanufacturing Training and Education Center (BTEC), uniquely positions the University to help attract new businesses and business relocations to North Carolina, ultimately enhancing the state's economic welfare.

Course Work/Curriculum
Solving problems in the food and bio-industries has been a long-standing strength of the Food Science Department. In addition to a strong technical background, students earning a B.S. in Bioprocessing Science will understand other subject matter relevant to the bio-industries, including quality control and assurance, validation procedures, as well as ethical and regulatory issues. This unique collection of courses is designed to provide bioprocessing students with a special skill set specific to bioprocessing and pharmaceutical manufacturing needs, skills which to date have not been taught by U.S. universities.

Graduate Study
The Department offers graduate programs leading to nonthesis Master of Food Science, Master of Science, and Doctor of Philosophy degrees. Three university-industry cooperative research centers, the Center for Advanced Processing and Packaging Studies, the Southeast Dairy Foods Research Center and the Center for Marine Science and Technology provide unique opportunities.

Co-Curricular Activities
Student life at North Carolina State University extends far beyond the classroom. Participation in the Food Science Club provides an opportunity to meet other students. Club activities have included tours of food industries, operation of a dairy bar at the State Fair, and various social events. Students are encouraged to get involved with the Biomanufacturing and Pharmaceutical Training Consortium and the North Carolina Biosciences Organization.

Career Services
In addition to faculty advisers, CALS Career Services is available to provide information about career and employment opportunities. The office assists students and alumni with a variety of career needs such as choosing a major, resume tips, and job search strategies.

For more information:
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