The Program

Biomanufacturing is the common operation that links together all the different market sectors of the world’s biotechnology industry. It is a diverse field encompassing the massive production scales of the liquid biofuels industry at one end, to the high-quality and highly regulated biopharmaceutical industry at the other.

The Master's degree in Biomanufacturing and Bioprocessing (MBB) at the University of Georgia trains science and technology graduates for leadership roles in this rapidly expanding and vitally important field.

While many biotechnology programs touch on biomanufacturing and bioprocessing, the UGA MBB program is unique in its focus on the full biomanufacturing experience with hands-on training and exposure to industrial grade equipment. Its curriculum includes academic courses in science and business, along with professional training with cutting-edge companies through case study projects and internships.

Business and Science

The worlds of science and business are becoming increasingly interconnected — creating strong demand for professionals who can combine scientific and technical knowledge with business and communication skills.

In the UGA MBB program, students are not only trained in aspects of microbiology, biochemistry, biochemical engineering, genetics and process development, but will be given a solid base in the business aspects of the biomanufacturing industry, including finance, supply chain issues and manufacturing practices.
Curriculum

The UGA MBB program is a two-year, 38-credit hour interdisciplinary degree program incorporating rigorous scientific training, an understanding of business principles, case studies involving teamwork and real-world problem solving, and professional communications opportunities.

Students accepted into the program choose one of three focus areas — biofuels/biochemicals, industrial/environmental or pharmaceutical — and one of two business tracks — large company or small firm.

Instead of a thesis, students complete a research project during the summer Year One and a 400-hour industry internship during the summer of Year Two. These experiences allow students to find a practical application for what they are learning while building contacts with potential employers.

For further information contact:
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