



Professional Science Master's Degree

in Biomanufacturing and Biotechnology at Colorado State University

The worlds of science, engineering, and business are merging, and a new breed of technologist is necessary to maintain a competitive edge in the global marketplace. Graduates of the Professional Science Master's program have the academic and professional skills to effectively combine engineering, life sciences, and business.

Master of Biomanufacturing and Biotechnology

This is a technical career-oriented degree program that addresses gaps in professional- and master's-level training related to chemical engineering but not fully covered by an undergraduate degree.

Students who enroll in the two-year program will specialize in one of three areas:

- Cell and tissue engineering
- Biofuels and industrial biotechnology
- Engineering proteins and protein expression systems

The program offers advanced courses in:

- Bioscience: genetics, molecular biology, and biochemistry
- Engineering: biochemical engineering, bioprocessing, and bioseparations
- Business: from CSU's MBA program

The degree prepares students with:

- Science and engineering skills needed for careers in biomanufacturing and biotechnology
- Business skills
- Internships that provide valuable experience



Apply your
PSM degree
to various
industries:

Food
Pharmaceuticals
Agriculture
Cell engineering
Microbiome engineering

Contact us today

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