

Medical Biotechnology

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Contact Information:

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Administration:

Department Head: Ramaswamy Kalyanasundaram
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Program Codes:

20FS5020MS7

The University of Illinois College of Medicine at Rockford offers graduate training leading to the Master of Science in Medical Biotechnology degree. The program is administered by the Department of Biomedical Sciences.

The Master of Science in Medical Biotechnology will train students in the major techniques and disciplines commonly used in biotechnology. Course subjects may include recombinant DNA and molecular biology techniques, immunotechnology, protein chemistry and proteomics, product management, drug design and drug development processes, medical implants, stem cell therapy, and nanotechnology. In addition, students will receive direct experience with many of the analytical and testing techniques used in the biotechnology and healthcare industries. Workplace-related training will include an introduction to pertinent regulatory issues and practices, basic training in proposal preparation and public presentation of technical topics, and training in program management systems and product development processes.

A unique aspect of this program is the focus on biotechnology in medicine. Students are trained in the sciences and business practices important to biotechnology using medical applications. Scientists with industrial biotechnology experience, legal and regulatory professionals that serve the industry and practicing physicians will participate as instructors in the experience-directed coursework and research activities.

Classes will also be offered in the evenings or weekends, thereby allowing students to earn their MS degree while still working full- or part-time.

Admission and Degree Requirements

- [MS in Medical Biotechnology](#)