

Microbial Biotechnology

The Master of Microbial Biotechnology Program (MMB) is recognized by the Council of Graduate Schools as a Professional Science Master's degree (PSM). The MMB degree combines training in Microbiology, Business and Biotechnology. This degree is specifically designed to prepare students for positions in the biotechnology, biopharmaceutical and agrobusiness industries. The program includes courses that involve semester-long interactions with local biotechnology companies as well as foundational courses in microbiology, business management and molecular biology.

Master's Degree Requirements

The Master of Microbial Biotechnology (MMB) degree requires 40 credit hours, including four semesters involvement in an Industry Case Studies course, as well as a summer industry internship. This program also can be combined with a Master of Business Administration (MBA) offered through the College of Management.

Student Financial Support

A limited number of full-time participants in the Master of Microbial Biotechnology program may be eligible for Teaching Assistantships. The number of TA positions available varies every semester and there are no guaranteed positions. Students in the MMB program should assume that they will self-fund their education.

More Information

Microbial Biotechnology Program Website (<https://units.cals.ncsu.edu/master-of-microbial-biotechnology/>)

Admission Requirements

Applications are invited from individuals holding B.S. or M.S. degrees in the physical and life sciences. Applications should be received before May 1 to be considered for Fall semester admission. The Graduate Record Exam (GRE) is not required. Other requirements include all relevant transcripts, three letters of recommendation, and a personal statement. Applicants with fewer than three years of industry experience should submit at least two academic recommendations. The personal statement should describe how the MMB program aligns with and will facilitate the applicant's career goals. They may share any additional relevant information that they would like considered (e.g. educational background, co-curricular experiences, or professional experience).

Applicant Information

- **Delivery Method:** On-Campus
- **Entrance Exam:** None
- **Interview Required:** Yes

Application Deadlines

- **Fall:** February 15 (Priority); May 1 (US); March 1 (Intl)

Degrees

- Microbial Biotechnology (MR) (<http://catalog.ncsu.edu/graduate/agriculture-life-sciences/microbial-biotechnology/microbial-biotechnology-mr/>)

Faculty

Full Professors

Jose Bruno-Barcena

Susan Carson

Amy Michele Grunden

Christine Hawkes

Michael Hyman

Associate Professor

Manuel Kleiner

Adjunct Faculty

Jason Caplan