

MASTER OF SCIENCE IN BIOMEDICAL SCIENCES, PLAN B, REPRODUCTIVE TECHNOLOGY SPECIALIZATION

The Master of Science in Biomedical Sciences, Plan B, Reproductive Technology Specialization is a one-year, non-thesis study of Assisted Reproductive Technologies (ART), culminating in writing a scholarly paper based on a research project or reproductive topic and the completion of an internship. It provides students with in-depth laboratory training in *in vitro* embryo production based on a bovine model, including techniques such as *in vitro* fertilization, embryo and semen cryopreservation and vitrification, embryo biopsy and micromanipulation, and basic maintenance of an assisted reproduction laboratory and all associated equipment. The curriculum prepares students for careers in applied reproduction, especially careers in human or bovine embryology, as well as application to professional or graduate school.

Students interested in graduate work should refer to the Graduate and Professional Bulletin (<https://catalog.colostate.edu/general-catalog/graduate-bulletin/>). Visit the Department of Biomedical Sciences (<https://vetmedbiosci.colostate.edu/degree-programs/graduate/ms-biomedical-sciences/assisted-reproductive-technologies/>) for more information.