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# **Biomedical and Translational Science (BATS)**

# Courses

# BATS 201. Pathways in Biomedical and Translational Science. 4 Units.

Provides fundamental knowledge to promote understanding of the process of bringing discoveries to the bedside and then to the population, providing a fundamental basis for clinical and translational science.

# BATS 209A. Introduction to Medical Statistics. 4 Units.

Provides understanding of medical statistics for clinicians; clinical and biomedical researchers to read and interpret literature.

#### BATS 232. Design and Analysis of Clinical Trials. 4 Units.

Presents history, organization and planning, rationale for methods, limits, and ethics in conducting clinical trials.

## BATS 240. Science Communication Skills for Clinical and Translational Scientists. 4 Units.

Designed to train clinical and translational researchers to communicate their research effectively to expert audiences and community members, and creates opportunities for training in scientific writing, presenting scientific talks, or doing job interviews. Recommended elective for all MS-BATS students.

#### BATS 241. Understanding the Pathobiology and Clinical Treatment of Skin Diseases. 3 Units.

Provides participants with the clinical presentation, biology, and treatment of skin disease. At the completion of the course, attendees are able to identify gaps in research and clinical care of skin diseases.

#### BATS 242. Basic Science of the Skin. 3 Units.

Provides participants with a basic understanding of the structure and function of skin and the latest advances in skin biology.

#### BATS 280. Biomedical and Translational Science Seminar. 2 Units.

Students present their current research or a topic of interest and are exposed to diverse projects in the biomedical and translational science arena. Repeatability: May be taken unlimited times

# BATS 295. Master's Thesis Research and Writing. 2-12 Units.

Master's thesis research and writing with Biomedical and Translational Science faculty.

Repeatability: May be taken for credit for 12 units

#### BATS 296. Ethics in Clinical Research. 4 Units.

Covers major frameworks and concepts of ethics in public health research as well as human subject protection issues.

#### BATS 299. Independent Directed Research. 2-12 Units.

Independent research with Biomedical and Translational Science faculty. Capstone option for students who do not choose the thesis option. Repeatability: May be taken for credit for 12 units