NNMD 4991. Research. 4 Hours.
Offers an opportunity to conduct research under faculty supervision.

NNMD 5270. Introduction to Nanomedicine Science and Technology. 3 Hours.
Provides an overview of the distinctive features of nanotechnology and their application to biomedical problems. Includes active participation of students in the classroom through in-depth discussion sessions, presentations, and a group project. Taught by Northeastern faculty and guest speakers.

NNMD 5272. Nanomedicine General Seminar. 1 Hour.
Offers an opportunity to prepare and present a research seminar focused on applications of nanosystems in biology and medicine. May be repeated without limit.

NNMD 5274. Nanomedicine Advanced Seminar. 1 Hour.
Continues NNMD 5272 with advanced scientific findings and innovations in the field of nanomedicine by leading researchers and clinicians. May be repeated up to two times.

NNMD 5370. Nanomedicine Research Techniques. 4 Hours.
Offers an in-depth look at laboratory methods and tools for studying nanomaterials used in biology and medicine. Includes hands-on sessions with experts in research techniques, including nanoparticle synthesis, TEM, SEM, AFM, MRI, optical microscopy, etc.

NNMD 5470. Nano- and Biomedical Commercialization: From Concept to Market. 3 Hours.
Offers a comprehensive overview of key elements involved in commercialization of biomedical technologies. Discusses fundamental concepts around various business models, protection of intellectual property (IP), capital and financing, and mathematical modeling of business valuation and transactions. Also covers regulatory process for technical and clinical validation of biomedical solutions, as well as mechanisms for raising capital to support product development. Requires each student to complete an individual project and a team project, which are selected from ongoing research activities at Northeastern University and other leading research centers and are designed to apply concepts learned throughout the course.

NNMD 6962. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.