

New application-based courses

Specially designed courses teach the applications of Physics to Biology and Medicine:

PHY 3700 (Mathematics for Biomedical Physics) (4 cr.)

Special mathematics course for biomedical physics majors - Calculus, Statistics.

PHY 4700 (Introduction to Biomedical Physics) (4cr.)

Modern Physics topics for Biomedical physics: Quantum mechanics, nuclear physics, Magnetic resonance etc.

PHY 6700: Biological Physics (4 cr.)

Applications of Physics to molecular scale biology using many examples from current research.

RAD/PHY 6710: Physics in Medicine (3 cr.)

Applications of Physics to modern medicine: Medical Imaging, Radiation therapy etc. Will be taught by faculty from Medical Physics.

PHY 5700: Biomedical Physics Seminar (3 cr.)

Students will present modern research topics in the application of Physics to Biology and Medicine. Students can also present their own research in Bio- or Medical Physics.

PHY 6780: Biomedical Physics Research (3 cr.)

Students will participate in research projects in Bio- or Medical Physics.