HIGHLIGHTS OF BIOPHYSICS

Great degree for pre-meds.

Applied quantitative program for life sciences.

Undergraduate research positions.

Preparation for scientifical, technical and management careers.

Ali Mustafa, BS Biophysics 2013
(now a medical student at Albert Einstein Medical School, shown above with Provost Deek, L, and Prof. Thomas, R)

As a Biophysics student he was awarded a NASA fellowship two years in a row, won the Provost competition for research on two consecutive years and won a TechQuest prize for Biophysics research.

BIOPHYSICS MAJORS’ CAREERS

• Bio-tech start-up companies
• Doctors/Dentists/Optometrists
• Research and management in pharmaceutical companies
• Biomedical research
• Research at universities and hospitals

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BIOPHYSICS DEGREE PROGRAM

Biophysics research group
summer 2014


College of Science and Liberal Arts
**WHY STUDY BIOPHYSICS AT NJIT?**

To acquire interdisciplinary skills in Physics, Biology, Chemistry and Mathematics.

To study in small, hands-on classes with research projects and close interaction with professors.

To work with nationally and internationally recognized Professors.

To work during summers and compete for awards/fellowships.

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**COURSE OFFERINGS FOR THE BIOPHYSICS PROGRAM:**

- Physics of Life
- Biophysics I
- Biophysics II
- Biophotonics

Basic physics, including electricity, magnetism, quantum mechanics and thermodynamics.

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**STUDENT RESEARCH OPPORTUNITIES:**

Research labs in biophysics at NJIT are deciphering nature’s encrypted laws at the molecular, cellular and macroscopic scales using computational and experimental methods. Students are an integral part of the research done in our labs.

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Students developing a method to predict early stroke in a Biophysics class.

Biophysics professors, (from L) Farrow, Thomas, Prodan and Dias.

Summer student researcher.

Student’s calculation of a protein structure using supercomputers.