

BS in Physics, Biophysics

Medical Physics Biophysics Option

This option is designed for students who are interested in careers in various medical fields or biophysics. This option provides a strong preparation in physics, mathematics, chemistry, and biology for students who intend to apply for admission to medical schools. At least 41 hours of physics and biology combined, but no more than 51, are required. In addition to the core curriculum, the following physics and biology courses are required:

Physics		
PHYSICS 4310	Modern Electronics	3
PHYSICS 4347	Introduction to Biophysics	4
Select two additional physics electives at the 4000 level.		6
Biology		
BIOL 1831	Introductory Biology: From Molecules To Organisms	5
BIOL 1821	Introductory Biology: Organisms And The Environment	5
BIOL/CHEM 4712	Biochemistry	3
BIOL 4713	Techniques In Biochemistry	2
Select two additional physics electives at the 4000 level.		6
Chemistry		
CHEM 1121	Introductory Chemistry II	5
CHEM 2612	Organic Chemistry I	3
CHEM 2622	Organic Chemistry II	3
CHEM 2633	Organic Chemistry Laboratory	2
Total Hours		36

Sign-offs from other departments affected by this proposal

Department	Contact Person	Phone #	Objections
S003000	Chris Spilling		No
S002850	Wendy Olivas		No
Rationale	For contemporary research in biophysics, an understanding of biochemistry is more important and relevant than additional studies in organic chemistry.		