Flowchart for Core BS Physics Courses: Biophysics Emphasis, 2015-2016 Catalog
prerequisites indicated by arrows
This chart shows only the required core BS Physics courses and prerequisites. Additional courses are needed for graduation. Please consult the Undergraduate Catalog and meet with your advisor to craft a plan for degree completion. Course prerequisites and degree requirements are subject to change.

- **MATH 143 and MATH 144**
  - Or appropriate placement exam score

- BIOL 191 General Biology I
- CHEM 111/111L General Chemistry I
- CHEM 112/112L General Chemistry II
  - CHEM 301/302 Survey of Organic Chemistry & Lab OR CHEM 307/308 Organic Chemistry I & Lab (Fall)
- BIOL 301 Cell Biology
- CHEM 305 Fundamentals of Biochemistry
  - PHYS 341 Mechanics (Spring)
  - PHYS 381 Electromagnetic Theory (Fall)
  - PHYS 382 Electrodynamics OR PHYS330/330L Optics (Spring)

- MATH 170 Calculus I
- MATH 175 Calculus II
  - MATH 301 Linear Algebra
  - MATH 333 Differential Equations with Matrix Theory
- MATH 275 Calculus III

- PHYS 211/211L Physics I w/Calculus & Lab
- PHYS 212/212L Physics II w/Calculus and Lab
  - PHYS 309/309L Introductory Quantum Physics & Lab
  - PHYS 311 Modern Physics (Spring)

- PHYS 325 Scientific Computing (Fall)
- PHYS 301 Analog & Digital Electronics (Spring)
  - PHYS 307 Biophysics (Prereq PHYS212/212L) (Fall)

- PHYS 432 Thermal Physics (Fall)
- PHYS 436 Soft Matter (Spring)

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