

**Tentative Info on When Courses of Interest to Biochem Majors  
Will Be Offered in 2009-10**

**Classes Typically Taken in First or Second Year:**

Fall 2009	Spring 2010
Math 160 (Calculus I)*	Math 160 (Calculus I)*
Math 170 (Calculus II)	Math 170 (Calculus II)
Chem 110 (Principles of Chemistry 1)	Chem 112 (Principles of Chemistry II)
Chem 112 (Principles of Chemistry 2) (Cannot be taken by Sophomores in the Fall)	Bio 220 (Organismal Physiology and Ecology)
Chem 231 (Organic Chem I)	Bio 221 (Genetics, Development, and Evolution)
Bio 220 (Organismal Physiology and Ecology)	Physics 120 (Core Concepts of Physics II)
Bio 221 (Genetics, Development, and Evolution)	Physics 101 (Fundamentals of Physics I)
Physics 110 (Core Concepts in Physics I) (110-120 series <i>only</i> open to Freshman & Sophomores)	
Physics 102 (Fundamentals of Physics II)	

\*If a student is interested in being a Biochemistry Major, and places below Math 160, they are advised to take Math 159; they should not take the Math 157-158 sequence.

**Classes Typically Taken in Third or Fourth Year:**

Fall 2009	Spring 2010
Physics 102 (Fundamentals of Physics II)	Physics 101 (Fundamentals of Physics I)
Chem 242 (Physical Chemistry)	Bio 305 (Molecular Biology)
Chem 253 (Introductory Biochemistry, the old 353) – 2 lab sections available	Chem 253 (Introductory Biochemistry, the old 353) – 1 lab section available
Bio 580 [Biology Junior Seminars (Coenen, Humphreys, Kleinschmidt)]	Chem 581 (Chemistry Junior Seminar)
	Physics 580 (Physics Junior Seminar)
	Bio 580 [Biology Junior Seminars (new Geneticist; Nelson; French; Rankin)]
Biochem 600 (First Semester Senior Project)	Biochem 610 (Second Semester Senior Project)

**Electives that Students Commonly Consider to Complement Their Major:**

(See catalogue for course descriptions & pre-requisites)

Fall 2009	Spring 2010
Physics 432**	Chem 332 (old 232; O Chemistry II, Synthetic Strategies)
Chem 435 (Current Topics in Organic Chemistry; Persichini)	Chem 234 (Organic Chemistry Laboratory II)
Chem 452 (Current Topics in Biochemistry; Serra)	Chem 386 (Multistep Synthesis; old 236)
Bio 320 (Cell Biology)	Chem 263 (Introduction to Chemical Analysis)
Bio 325 (Genetics)	Chem 436 (Current Topics in Organic Chem; Murphree)
Bio 330 (Ecology)	Chem 453 (Current Topics in Biochemistry; Garcia)
Bio 380 (Animal Physiology)	Bio 310 (Microbiology)
	Bio 340 (Evolution)
	Bio 342 (Toxicology)
	Bio 360 (Plant Physiology)
	Bio 380 (Animal Physiology)
	Bio 385 (Biostatistics)

\*\* Current Topics in Biophysics (2 cr course focused on experimental physical techniques applied to the study of biological problems) – Although the catalogue lists Physics 210 as a pre-requisite, Dr. Petasis is happy to have Biochem majors in the class as long as they have completed either Physics 110-120 or 101-102. Biochem majors with that level of preparation have previously been successful in the class.