

IGPBS - BIOCHEMISTRY & MOLECULAR BIOLOGY (PHD AND MD/PHD)

BMB 975	CRITICAL THINKING AND APPLICATIONS IN BIOCHEMISTRY AND MOLECULAR BIOLOGY *	3
BMB 999	DOCTORAL DISSERTATION	1-15

Graduate Committee

Dr. Rebecca Deegan (Chair & Program Director), Dr. Shantaram Joshi (Co-Chair), Dr. Moorthy Ponnusamy (Co-Chair), Dr. Jennifer Black, Dr. Paul Trippier, Dr. Armen Petrosyan, Dr. Sushil Kumar, Dr. Micah Schott, and Dr. Melissa Teoh.

The IGPBS - Biochemistry and Molecular Biology doctoral program is designed to provide a comprehensive knowledge of the biochemistry and molecular biology of living organisms, including the research and training experience necessary for the development of independent investigators.

Ph.D. Curriculum

Code	Title	Credit Hours
Required Courses:		
GRAD 800	RESPONSIBLE CONDUCT IN RESEARCH TRAINING *	0
BMB 801	FUNDAMENTALS OF BIOMOLECULES *	3
IPBS 805	FUNDAMENTALS OF CELLULAR PROCESSES *	3
BMB 815	METABOLISM *	2
IPBS 860	SUCCESS SKILLS FOR GRADUATE STUDENTS *	1
BMB 896	RSCH OTHER THAN THESIS (or IPBS 896)	1-8
BMB 915	PROTEINS & NUCLEIC ACID *	3
BMB 970	SEMINAR (every semester)	1
BMB 980	CRITICAL THINKING IN ADVANCED METABOLISM *	1
BMB 975	CRITICAL THINKING AND APPLICATIONS IN BIOCHEMISTRY AND MOLECULAR BIOLOGY *	3
BMB 999	DOCTORAL DISSERTATION	1-15

*indicates course must be completed prior to Comprehensive Exam

MD/Ph.D. Curriculum

Upon successful completion of Phase 1 of the College of Medicine curriculum, the requirement for completing **IPBS 801**, **IPBS 802**, **IPBS 803**, **BMB 815**, and **BMB 915** will be waived. Hence, MD/Ph.D. students in IGPBS - Biochemistry & Molecular Biology must complete only the following coursework:

Code	Title	Credit Hours
Required Courses:		
GRAD 800	RESPONSIBLE CONDUCT IN RESEARCH TRAINING *	0
BMB 896	RSCH OTHER THAN THESIS	1-8
BMB 970	SEMINAR	1