

GRADUATE STUDIES IN STRUCTURAL BIOLOGY



Department of Structural Biology
School of Medicine and Biomedical Sciences
State University of New York at Buffalo



and
Hauptman-Woodward Medical Research Institute, Inc.

**A structural biology Ph.D. program for a student in the
M.D./Ph.D. Medical Scientist Training Program**
(www.smb Buffalo.edu/rbe/mstp/program_curriculum.htm)

1st year M.D. program

Two summer term research rotations

CHOICE OF RESEARCH TOPIC, ADVISOR, AND COMMITTEE

2nd year M.D. program

Summer term Ph.D. dissertation research

3rd through 5th years Ph.D. program:

5th semester (Fall)

STB 530	Mathematics and Physics Topics for Biologists	2 credits
STB 531	Protein Expression, Purification, Crystallization	3 credits
STB 533	Crystallographic Methods of Structural Biology I	3 credits
STB 612	Structural Biology Seminar	1 credit
STB 700	Ph.D. Dissertation Research	credit

6th semester (Spring)

STB 534	Crystallographic Methods of Structural Biology II	3 credits
BCH 507	Protein Structure and Function	2 credits
BIO 608	Topics in Macromolecular Structure	3 credits
(Cross-listed as STB Computational Modeling of Biomolecular Structure)		
OR	OR	
CHE 512	NMR and Biomolecular Structure	3 credits
(Cross-listed as STB Spectroscopic Methods of Structural Biology)		
STB 612	Structural Biology Seminar	1 credit
STB 700	Ph.D. Dissertation Research	credit

CANDIDACY RESEARCH PROPOSAL AND EXAMINATION

7th through 10th semesters

STB 612	Structural Biology Seminar	1 credit
STB 700	Ph.D. Dissertation Research	credit

6th year M.D. program

7th year M.D. program