

BIOPHYSICS & QUANTITATIVE BIOLOGY, MS

Approved Biophysics Course List and Computational & Experimental Lab Course Lists

Biophysics Course List

Code	Title	Hours
ANSC 542	Applied Bioinformatics	4
BIOE 505	Computational Bioengineering	4
BIOE 598	Special Topics (section TL)	1 to 4
BIOP 576	Computational Chemical Biology	4
CHBE 594	Special Topics (section HZ2)	1 to 4
CHEM 546	Advanced Statistical Mechanics	4
CHEM 570	Concepts in Chemical Biology	4
CHEM 572	Enzyme Reaction Mechanisms	3 or 4
CPSC 567	Bioinformatics & Systems Biol	4
CS 598	Special Topics (section JP or SS)	2 to 4
ECE 564	Modern Light Microscopy	4
MCB 571	Bioinformatics	4
PHYS 504	Statistical Physics (section A)	4

Computational Lab Course List

Code	Title	Hours
BIOC 455	Technqs Biochem & Biotech	4
PHYS 598	Special Topics in Physics (section OM or BP)	1 to 4
CHEM 483	Solid State Structural Anlys	4
PATH 521	Biophysics of Viruses	2

Experimental Lab Course List

Code	Title	Hours
ANSC 449	Biological Modeling	3 or 4
BIOP 576	Computational Chemical Biology	4
BIOP 586	Special Topics in Biophysics (section C)	1 to 4
BIOE 505	Computational Bioengineering	4
BIOE 598	Special Topics (section AGB)	1 to 4
CHBE 571	Bioinformatics	4
MCB 432	Computing in Molecular Biology	3
STAT 530	Bioinformatics	4