

## Requirements for an M.S. in Biochemistry & Biophysics

(applies to both co-terminal\* and regular M.S. degrees)

The Master's Degree in BCBP consists of 30 credits. Students can pursue either (A) a thesis-based Masters, (B) a course-based Masters, or (C) Masters with Professional Project-based Masters (preferred option) with the following requirements:

### A. Thesis-based Master's degree

TOTAL of 30 credits, with 21-26 credits of coursework, and a 4-9 credit MS thesis with the following requirements:

1. The MS thesis is typically a laboratory research project undertaken with a faculty mentor. An MS thesis must be approved by an MS thesis committee and must be submitted to the Office of Graduate Education following all the MS thesis rules.
2. Students cannot repeat a course at the graduate level that was already taken at undergraduate level.
3. Of the 30 credits, 15 or more (including the thesis) must be at the 6000 level, with the rest at 4000 or above.
4. Of the 30 credits, 15 or more must have the BIOL or BCBP, CHEM OR PHYS prefix.
5. Of the 30 credits, 8 or more must come from BCBP modules.

### B. Course-based Masters (30 credits)

TOTAL of 30 credits of coursework, with the following requirements:

1. Students cannot repeat a course at the graduate level that was already taken at the undergraduate level.
1. Of the 30 credits, 15 or more must be at the 6000 level, with the rest at 4000 or above.
2. Of the 30 credits, 15 or more must have the BIOL or BCBP, CHEM OR PHYS prefix.
3. Of the 30 credits, 8 or more must come from BCBP modules.

### C. Masters with Professional Project (preferred plan) (30 credits)

TOTAL of 30 credits, with 21-28 credits of coursework, and a 2-9 credit professional project with the following requirements:

1. At least 21 credits of coursework (with at least 11 credits at 6000 level)
2. Professional project (2-9 credits)
3. Of the 30 credits of coursework + professional project, 15 or more (including the project) must be at the 6000 level, with the rest at 4000 or above.
4. Of the 30 credits, 15 or more must have the BIOL or BCBP, CHEM OR PHYS prefix
5. Students cannot repeat a course at the graduate level that was already taken at the undergraduate level.
6. Of the 30 credits, 8 or more must come from BCBP modules.

### BCBP modules:

BCBP-6870 Protein Structure Determination  
BCBP-6420 Molecular Modeling  
BCBP-6800 Methods in Biophysics  
BCBP-6965 Systems Biology  
BCBP-6310 Genetic Engineering