

# CELLULAR, MOLECULAR, AND MICROBIAL BIOLOGY M.S.

BIOM 596	Independent Study	
<b>Total Hours</b>		<b>30</b>

## MASTER OF SCIENCE - CELLULAR, MOLECULAR, AND MICROBIAL BIOLOGY

Degree Specific Credits: 30

Required Cumulative GPA: 3.0

- All CMMB M.S. students have a common set of requirements: students must take a total of 30 semester credits, including 20 semester credits of courses (includes any course other than Thesis and Research).
- At least half of the non-thesis and non-research credits toward the degree must be at the 500 or 600 level.
- The following credit limitations apply:
  - A maximum of 6 credits of Special Topics (BCH 595, BIOB 595 and BIOM 595).
  - A maximum of 6 credits of Independent Study (BIOB 596, and BIOM 596).
  - A maximum of 10 credits of research and thesis (BCH 597, BIOB 597, BCH 599, and BIOM 599).

### Course Requirements

Code	Title	Hours
<b>Core Courses</b>		
Complete all of the following courses:		
BCH 570	Intro to Research	1
or BIOM 570	Intro to Research	
BIOB 547	Experimental Molecular, Cellular, and Chemical Biology	2
BIOM 594	Molecular and Biomedical Sciences Seminar	4
<b>Electives, Research, and Thesis</b>		
Complete 23 credits of elective courses:		23
Elective courses can include any graduate-level course in General Biology (BIOB), Microbiology (BIOM), and Biochemistry (BCH). Suggested courses include:		
BCH 581	Physical Biochemistry	
BCH 582	Proteins and Enzymes	
BCH 584	Nucleic Acids	
BCH 595	Special Topics	
or BIOM 595	Special Topics	
BCH 597	Research	
or BIOM 597	Research	
BCH 599	Thesis	
or BIOM 599	Thesis	
BCH 600	Cell Organization & Mechanisms	
BIOB 567	Molecular Analysis of Development	
BIOM 502	Advanced Immunology	
BIOM 535	Advanced Virology	
BIOM 540	Microbial Pathogenesis	