MASTER OF SCIENCE (M.S.)

The master's degree is offered only under special circumstances and upon recommendation by the program COGS and approval by the Graduate Dean.

*IMPORTANT Note About the Doctor of Philosophy in Biochemistry Degree*
This program is no longer accepting students at this time as this field of study is now the Molecular Biophysics and Biochemistry discipline within the Integrated Biomedical Sciences (IBMS) Program. All information in this section of the Catalog is for the current Biochemistry students only.

The graduate program in Biochemistry offers students the training necessary for them to conduct independent biochemical research in an academic, industrial, or clinical environment. The Biochemistry curriculum is designed to provide a synergistic series of formal courses, seminars, teaching opportunities, and individualized biochemical research experiences in the laboratories of participating faculty. Students are encouraged to broaden their scientific experience by taking courses in other biomedical science tracks.

Biochemistry Degree Requirements
A minimum of 30 credit hours and a minimum overall GPA of 3.0 is required for the M.S. degree. In addition, all master's candidates must register for BIOC 6098 Thesis for at least one semester in order to graduate. The student must successfully defend a thesis and be recommended by their program COGS for approval of their degree to the Dean of the Graduate School of Biomedical Sciences.

Biochemistry Master's Plan of Study
First Year
Fall
IBMS 5000 Fundamentals Of Biomedical Sciences 8
IBMS 5008 Lab Rotations 2
Total Credit Hours: 10.0

First Year
Spring
IBMS 5008 Lab Rotations 2
INTD 6002 Ethics In Research 0.5
BIOC 6036 Macromolecular Structure & Mechanism 2
BIOC 5085 Biophysical Methods In Biology 2
Electives 2.5
BIOC 6097 Research 4-6
Total Credit Hours: 13.0-15.0

Second Year
Fall
BIOC 6029 MBB Journal Club and Student Research Presentations 2
BIOC 6097 Research 1-12
Electives 2-3
Total Credit Hours: 5.0-17.0

Biochemistry Objectives/Program Outcomes
1. Review/interpret research literature
2. Communicate effectively in writing
3. Communicate effectively in verbal presentations
4. Display potential for conducting independent research