Macalester Biology Major + Emphasis in Biochemistry Plan

Student Name (print): _____

ID#: _____ Expected Graduation Date: _____

Dept /Course# **Course Title** **Semester Taken or Planned**

Core courses (must be completed before studying abroad & before end of junior year, preferably earlier)

BIOL 170	Ecology & the Environment (w/ Lab)	
BIOL 180	Biodiversity & Evolution (w/ Lab)	
BIOL 190	Genetics (w/ Lab)	
BIOL 200	Cell Biology	

Supporting courses

STAT 155	Intro to Statistical Modeling	
CHEM 112 or 115	General Chemistry II (Chem 111 prereq) or Accelerated General Chemistry	
CHEM 211	Organic Chemistry I	
CHEM 212	Organic Chemistry II	

Upper level elective courses (4 total at the 300, 400, and/or 600-level, at least 2 with lab)

BIOL 351	Biochemistry I (w/ Lab)	
BIOL 352	Biochemistry II	

Beyond Biochemistry I and Biochemistry II, students must take two additional upper-level courses, one of which must be a BIOL course and one of which must be an approved biochemistry elective (see next page).

Capstone Requirement
The capstone consists of a public presentation of work – either a talk or a poster – delivered during the spring of senior year. Students may present on any major piece of work they have completed in biology during their time at Mac – e.g. a project for an upper-level class, an internship, research conducted during study away or the summer, etc. December graduates should contact the Department Chair in Spring of junior year to discuss the timeline.

☐ I grant the Biology Department permission to include my photo in departmental media.

If you do not yet have a Biology faculty member as your primary advisor, you need to request a change of advisor on 1600grand.

Biology Academic Advisor: _____Date:_____
Signature

Signature Department Chair: _____Date:_____
Signature

Approved biochemistry elective courses:

BIOL 312: Microbiology
BIOL 316: Cellular and Molecular Neuroscience
BIOL 322: Advanced Genetics
BIOL 366: Plant Ecophysiology
BIOL 404: Seminar in Genome Editing
BIOL 410: Seminar in Stem Cell Biology
BIOL 412: Seminar in Cancer Biology
BIOL 472: Research in Molecular Biology

BIOL/COMP 320: Computational Biology

BIOL/CHEM 353: Molecular Medicine
BIOL/CHEM 354: Chemical Biology
BIOL/CHEM 474: Research in Biochemistry

CHEM 311: Thermodynamics and Kinetics
CHEM 361: Advanced Organic Chemistry
CHEM 411: Advanced Inorganic Chemistry

Other biochemistry elective courses may be proposed and approved by the chair of the Biology Department.