SUMMARY OF REQUIREMENTS FOR M.S. IN BIOTECHNOLOGY
Directors, Neil Simister and Susan Lovett

Summary of requirements for candidacy to the M.S. degree
All biotechnology students must pass 12 courses with a grade of B- or better and complete an internship approved by the program directors (Biot 212). In addition, all first year biotechnology students must register for and attend Ethical Practice in Health-Related Sciences (Cont 300), which is a not-for-credit seminar.

Courses: Five lecture courses are mandatory for all biotechnology students. These are Biol 101 Molecular Biotechnology*, Biot 200 Biotechnology Proseminar, Biot 201 Business of Biotechnology, Bus 261 Managing Technology Innovation, and Biot 203 Management for Biotechnology. *Students who previously have taken a course equivalent to Biol 101 Molecular Biotechnology may substitute an elective course with the consent of the program directors.

All biotechnology students are required to take one of the following courses: Bchm 100 Biochemistry, Biol 100 Advanced Cell Biology, Biol 102 Structural Molecular Biology, or Biol 103 Mechanisms of Cell Function.

Two laboratory courses are mandatory. These are Biol 156 Biotechnology Laboratory and Bchm 150 Biochemistry Laboratory.

All students will take two biology, biochemistry, or chemistry electives numbered higher than 22 (excluding courses numbered 90-98). The remaining two courses may be additional biology, biochemistry, or chemistry electives (as above), or relevant business, economics, HSSP, or sociology courses at appropriate levels approved by the program directors, or additional laboratory courses, which may be Project Laboratories or research in laboratories (Biol 300) approved by the program directors.

First year: Students in their first semester should register for Biol 101 Biotechnology*, Biol 156 Biotechnology Laboratory, and Biot 200 Biotechnology Proseminar. *Students who previously have taken a course equivalent to Biol 101 Biotechnology may enroll in an elective course (as noted above).

Students in their second semester should register for Bchm 150 Biochemistry Laboratory, Biot 201 Business of Biotechnology, and Ethical Practice in Health-Related Sciences (Cont 300). Additionally, students should register for one of Bchm 100 Biochemistry, Biol 100 Advanced Cell Biology, Biol 102 Structural Molecular Biology, or Biol 103 Mechanisms of Cell Function.

Summer: Students should register for Biot 212 Biotechnology Internship.

Second year: Students in their first semester should register for Bus 261 Managing Technology Innovation, one elective course, and either a second elective or a laboratory (as described above).

Students in their second semester should register for Biot 203 Management for Biotechnology, one elective course, and either a second elective or a laboratory (as described above).