

Name (please print): \_\_\_\_\_  
(Last) (First) (Middle)

Student M# \_\_\_\_\_ Primary Major: \_\_\_\_\_ Expected Major Completion Term: \_\_\_\_\_

**Required Courses (9 – 15 credits)****Engineering Course (Select one course, 3 credits)**

- \_\_\_\_\_ CM 2110 Fund of Chem Engg (3) Prereqs: CH 1112 or (CH 1150 and CH 1151)
- \_\_\_\_\_ CM 2200 Intro to Minerals and Materials (3) Prereqs: none
- \_\_\_\_\_ ENVE 3501 Env Engg Fundamentals (3) Prereqs: MA 2160 and CH 1112 or (CH 1150 and CH 1151)
- \_\_\_\_\_ ENVE 3503 Environmental Engineering (3) Prereqs: MA2160 and CH 1112 or (CH 1150 and CH 1151)

**Biochemistry Course (Select one course, 3 credits)**

- \_\_\_\_\_ BL 2100 Principles of Biochemistry (3) Prereqs: BL 1020 or BL 1040 or (BE 2400 and CH 1112 or (CH 1150 and CH 1151))
- \_\_\_\_\_ CH 4710 Biomolecular Chemistry I (3) Prereqs: CH 2420

**Applied Biochemistry Courses (Select 3 or more credits)**

- \_\_\_\_\_ CM 4710 Biochemical Processes (3) Prereqs: CM 3110(C)
- \_\_\_\_\_ BL 4120 Environmental Remediation and Toxicology (3) Prereqs: BL 1020 or BL 1040
- \_\_\_\_\_ BL 4220 Applied and Industrial Microbiology (3) Prereqs: BL 3210 or BI 3310

**Elective Courses (select remaining credits from course list below 3 - 9 credits)**

- \_\_\_\_\_ BL 3210 General Microbiology (4) Prereqs: (BL 1020 or BL 1040) and (BL 2100 or CH 4710)
- OR** BL 3310 Environmental Microbiology (3) Prereqs: BL 1040 or BL 3070 or BL 3080
- \_\_\_\_\_ BL 4000 Research in Biology (1-6) Prereqs: none
- \_\_\_\_\_ BL 4010 Biochemistry I (3) Prereqs: (BL 1020 or BL 1040 or BL 2010) and BL 2100 and (CH 2410 or CH 2420)
- \_\_\_\_\_ BL 4020 Biochemistry III (3) Prereqs: BL 4010
- \_\_\_\_\_ BL 4820 Biochem Lab Techniques I (2) Prereqs: BL 4010(C) or CH 4710(C)
- \_\_\_\_\_ CH 4110 Pharmaceutical Chemistry: Drug Action (3) Prereqs: BL 4010 or CH 4710
- \_\_\_\_\_ CH 4120 Pharmaceutical Chemistry: Drug Design (3) Prereqs: CH 2420
- \_\_\_\_\_ CH 4140 Pharmaceutical Analysis (3) Prereqs: CH 2410
- \_\_\_\_\_ CH 4720 Biomolecular Chemistry II (3) Prereqs: BL 4010 or CH 4710
- \_\_\_\_\_ CM 4040 UG Research in Bioengineering (1-6) Prereqs: none
- \_\_\_\_\_ CM 4080 UG Research in Biofuels (1-6) Prereqs: none
- \_\_\_\_\_ CM 4125 Bioprocess Engineering Lab (1) Prereqs: CM 4710(C) or BL 3210 or BL 3310
- \_\_\_\_\_ CM 4770 Analytical Microdevice Technologies (3) Prereqs: PH 2200
- \_\_\_\_\_ CM 4780 Biomanufacturing and Biosafety (3) Prereqs: BL 2100 or CH 4710 or CM 4040 or CM 4080 or CM 4710 or (CM 3110(C) and BL 1040)

Total Credits Required – 18\*

\*A minimum of 9 credits are required at the 3000-level or higher