Part II  ELECTIVE COURSES FOR  BA IN CHEMISTRY
Other electives by petition to the Chief Undergraduate Advisor

GROUP A Elective Courses :

CHEMISTRY:       CHEM 423, 513, 515, 546, 551, 552, 584, 585
                 CHEM 388, 496, 499

BIOCHEMISTRY:    BIOCHEM 523 & 524 (General Biochem)
                 [1 yr organic; Cell & Molecular Biology BIOCH 285]

CHEM. ENG.      ChE 555 – Catalysis & Energy Conversion [senior chem majors]
                 ChE 556 – Selected Topics in Industrial Chemistry
                 [senior chem majors]

PHYSICS:         PHYS 531 – Electronics for Scientists I with Lab
                 PHYS 553 – Optics with Lab

POLYMER SCIENCE  PSE 501 – Intro to Polymer Science

GROUP B Elective Courses *:

BIOCHEMISTRY:    BIOCHEM 526 – General Biochemistry Lab for Majors

GEOSCIENCES:     GEO 311 – Mineralogy [CHEM 111]
                 GEO 519 – Aqueous and Environmental Geochemistry
                 [CHEM 111, 112 & Intro. Geology]

EDUCATION:       EDUC 512 – Teaching Science in the Middle
                 and High School

ENTOMOLOGY:      ENT 585 – Toxicology of Insecticides [organic chem]
                 ENT 592 - Chemicals and the Environment [none]

ENVIRONMENTAL
SCIENTES:        ENV 504 – Air Pollution Biology
                 [BIOL 100 & 101 & General Chem]
                 ENV 515 – Microbiology of Soil [organic chem & biology]
                 ENV 535 – Methods in Environmental Toxicology & Chemistry [2 yrs
                 college chemistry]
                 ENV 575 – Environmental Soil Chemistry
                 [CHEM 112 & PLSOIL 105]

PLANT & SOIL
SCIENCES:        PLSL 597 – Special Topics. Inorganic Contaminants in
                 Soil, Water, and Sediment [CHEM 112]

FOOD SCIENCE:    FD SCI 541 or 542 Food Chemistry
                 [organic chemistry]

HISTORY:         HIS 397 – Special Topics
                 The Scientific Revolution 1500-1700 [none]
                 HIS 433 – US Science & Technology
                 From Edison to the Bomb [none]

PHILOSOPHY:      PHIL 382 – Philosophical Approaches to Science
                 [PHIL 110 -logic]

PUBLIC HEALTH:   PH 490PI – The DNA Experience

* Prerequisites shown in brackets [ ]