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 *:

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 SCIENCES: 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 with LAB 544 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

* Prerequisites shown in brackets [ ]