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

GROUP A Elective Courses:

CHEMISTRY:  
CHEM 423 (Biochemistry for Chemists)  
CHEM 551, 552  
CHEM 388, 496, 499  
CHEM 513 (instructor permission), 546

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

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:  

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 [ ]