

BAE Chemistry/Physics – Secondary Plan of Study

BAE Chem/Physics-Secondary	Fall	Winter	Spring
Year 1	CHEM 161 MATH 124 PHYS 161 ENG 101 <i>(or other BCOM or CCOM GUR)</i>	CHEM 162 MATH 125 PHYS 162 GUR	CHEM 163 MATH 224 PHYS 163 GUR
Year 2	CHEM 251 PHYS 220 MATH 204 SCED 481	CHEM 333 PHYS 224 MATH 331 GUR	CHEM 375 PHYS 225 CSCI 140 GUR GUR
Year 3	CHEM 461 ASTR 315 PHYS/ASTR Elective GUR	CHEM 462 PHYS 326 GUR GUR	PHYS/ASTR Elective PHYS 491 SCED 370 GUR GUR
Must be admitted to Sec. Ed. Apply to Woodring/Secondary Education by 2/1 for Fall admission. See list of application requirements on last page			
Year 4*	SEC 303 SEC 310 SEC 410 SEC 430 IT 344	SEC 411 SEC 425 SEC 431 SEC 435	SEC 432 SEC 433 SEC 436 IT 444 SPED 363
Final Quarter	SEC 495 (18 credits)		

- **ENG 101** may be substituted for another GUR in the BCOM or CCOM blocks, if transferred in with ENG 101 credit. If GUR's are complete, course loads per quarter will be smaller.
- **Analytical Chemistry** (CHEM 333) offered Fall and Winter quarters.
- **General Chemistry Honors** (CHEM 175, 176, 225) *substitutes* for General Chemistry sequence (CHEM 161, 162, 163) *plus* Analytical Chemistry (CHEM 333).
- **Honors Calculus** (MATH 134) *substitutes* for Calculus & Analytic Geometry (MATH 124).
- **In addition** to the courses shown above, 6 upper-division elective credits in Physics and/or Astronomy under advisement, to include 2-3 credits of PHYS 491 – Independent Research.
- ***All [Woodring application](#)** requirements must be completed and application materials received by the Teacher Education Admission Office in Miller Hall 150 on or before these deadlines: Fall—February 1 & Winter—September 1. Contact a Secondary Education advisor prior to beginning the program.
- **This program offers two options** for Organic and Biochemistry course requirements. Please pay close attention to the "A" and "B" options for chemistry coursework. ***This recommended schedule reflects "Option A."*** Please keep in mind, "Option B" includes the Organic (CHEM 351-354) and Biochemistry Series (CHEM 471-473) which requires completion of BIOL 321 or 323. BIOL 321 or 323 are not otherwise required and also add BIOL 204, 205 and 206 as prerequisites. This adds at least 4 additional quarters to your plan of study