SYNOPSIS OF THE B.A. CURRICULUM IN CHEMISTRY

FOURTH (FRESHMAN) CLASS

First Semester

	Subject	Semester Hrs. Credit
CH 125	Lab for CH 137	2
CH 137	Intro. College Chemistry I	3
MA 123	Calculus I*	3
HI 103	World History	3
WR 101	English Composition I*	3
	AS, MS, or NS	1
TOTAL		**15**

Second Semester

	Subject	Semester Hrs. Credit
CH 126	Lab for CH 138	2
CH 138	Introductory Chemistry II	3
MA 124	Calculus II	3
HI 104	World History	3
WR 102	English Composition II*	3
PE 102	Boxing	1/2
	AS, MS, or NS	1
TOTAL		**15 1/2**

SECOND (JUNIOR) CLASS

First Semester

	Subject	Semester Hrs. Credit
CH 301	Physical Chemistry I	3
CH 311W	Lab for CH 301	3
CH 321	Biochemistry	3
	Foreign language [1]	3
	Concentration Elective [3]	3
PE 300	Prin. Physical Conditioning	1
	AS, MS, or NS	2
TOTAL		**18**

Second Semester

	Subject	Semester Hrs. Credit
	Adv CH course (300 or above)	3
	Foreign Language [1]	3
	Concentration Elective [3]	3
CH 246	Inorganic Chemistry	3
	Cult. And Civil Elective [1]	3
PE 101	Swimming	1/2
	AS, MS, or NS	2
TOTAL		**17 1/2**

THIRD (SOPHOMORE) CLASS

First Semester

	Subject	Semester Hrs. Credit
CH 223	Organic Chemistry I*	3
CH 225	Organic Lab I	3
	Foreign Language [1]	3
	Science Elective [2]	4
	Concentration Elective [3]	3
PE 200	D&A Awareness	1/2
	AS, MS, or NS	1
TOTAL		**17 1/2**

Second Semester

	Subject	Semester Hrs. Credit
CH 224	Organic Chemistry II	3
CH 225	Organic Lab II	3
PS 344	Leadership in Organizations [1]	3
	Foreign Language [1]	3
	Science Elective [2]	4
PE 211	Wrestling	1/2
	AS, MS, or NS	1
TOTAL		**17 1/2**

FIRST (SENIOR) CLASS

First Semester

	Subject	Semester Hrs. Credit
CH 335	Analytical Chemistry I	3
CH 337	Lab for Analytical Chem. I	3
	Cult. And Civil Elective [1]	3
	Concentration Elective [3]	3
CH 401	CH Capstone	3
	Physical Education	1/2
	AS, MS, or NS	2
TOTAL		**17 1/2**

Second Semester

	Subject	Semester Hrs. Credit
	Concentration Elective [3]	3
SE 300	Public Speaking	1
	Electives	10
	Physical Education	1/2
	AS, MS, or NS	2
TOTAL		**16 1/2**

Total Hours: 135 (includes at least 43 chemistry hours)

* Minimum Grade of C Required

[1] Twelve semester hours of electives must be in the Humanistic-Social area. In addition to demonstrating proficiency in a foreign language, cadets must complete 6 credit hours of cultures and civilization courses (study abroad may be substituted for 3 hours) and 3 credit hours of Leadership in Organizations.

[2] A two-semester sequence of core-curriculum approved science and laboratory. The specific course may be determined by the chosen concentration area.

[3] Concentration Electives are determined by the chosen minor/concentration/or certification. The chosen field may require use of free electives to complete.