SYNOPSIS OF THE B.S. CURRICULUM IN COMPUTER SCIENCE

FOURTH (FRESHMAN) CLASS

First Semester

	Subject	Semester Hrs. Credit
CS 121	Programming 1	3
WR 101	English Composition I*	3
MA 123	Calc. with An. Geom. I*	3
	Science#	4
	AS, MS, or NS	1
TOTAL		**14**

Second Semester

	Subject	Semester Hrs. Credit
CS 122	Programming II	3
CS 221	Discrete Mathematics	3
WR 102	English Composition II*	3
MA 124	Calc. with An. Geom. II	3
	# Science	4
PE 102	Boxing	1/2
	AS, MS, or NS	1
TOTAL		**17 1/2**

THIRD (SOPHOMORE) CLASS

First Semester

	Subject	Semester Hrs. Credit
CS 316	Computer Systems	3
CS 326	Data Structures	3
HI 103	World History	3
	MA/Sci Elective	4
	Elective	3
PE 101	Swimming	1/2
	AS, MS, or NS	1
TOTAL		**17 1/2**

Second Semester

	Subject	Semester Hrs. Credit
CS 327	Network Computing	4
HI 104	World History	3
MA 103	Matrix Algebra	2
	Civilization & Cultures	3
	Elective	3
PE 211	Wrestling	1/2
	AS, MS, or NS	1
TOTAL		**16 1/2**

SECOND (JUNIOR) CLASS

First Semester

	Subject	Semester Hrs. Credit
CS 348	Database and Information Retrieval	3
	CS elective	3
MA 220	Probability and Statistics	3
SE 300	Public Speaking	1
	Elective	3
PE 300	Prin. of Physical Conditioning	1
	AS, MS, or NS	2
TOTAL		**16**

Second Semester

	Subject	Semester Hrs. Credit
CS 411	Algorithms	3
	CS Elective	3
PS 344	Leadership in Organizations	3
	Electives	6
	Physical Education	1/2
	AS, MS, or NS	2
TOTAL		**17 1/2**

FIRST (SENIOR) CLASS

First Semester

	Subject	Semester Hrs. Credit
CS 345	Software Engineering	3
CS 418	Theory Prog. Lang.	3
CS 490W	Research Practicum	3
	Elective	6
PE 200	Drug and Alcohol Awareness	1/2
	AS, MS, or NS	2
TOTAL		**17 1/2**

Second Semester

	Subject	Semester Hrs. Credit
CS 412	Intro. To Operating Systems	3
	CS Elective	3
	MA/Sci Elective	4
	Civilization & Cultures	3
	Elective	3
	PE Elective	1/2
	AS, MS, or NS	2
TOTAL		**18 1/2**

Total Hours: 135 (includes 42 hours of computer science)

*Minimum Grade of "C" required
#Cadet must choose a science sequence with Lab in biology or physics.