Sample Computer Science Four-Year Plan (Prior to Fall 2013)

Freshman Year

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
CMSC 201 Computer Science I	4	CMSC 202 Computer Science II	4
ENGL 100 Composition	3	CMSC 203 Discrete Structures	3
MATH 151 Calculus I	4	MATH 152 Calculus II	4
GFR/GEP Language I*	4	GFR/GEP Language II*	4
Total:	15	*Total:*	15

Sophomore Year

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
CMSC 331 Programming Languages	3	CMSC 313 Comp Org & Assembly	3
CMSC 341 Data Structures	3	MATH 221 Linear Algebra	3
Science Sequence I†	4	Science Sequence II†	4
GFR/GEP Language III*	4	Science Lab†	2
		GFR/GEP Arts & Humanities I	3
Total:	14	*Total:*	15

Junior Year

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
CMSC 304 Social & Ethical Issues‡	3	CMSC 345 Software Design & Dev.	3
CMSC 411 Computer Architecture	3	CMSC 441 Algorithms	3
CMSC 4xx	3	CMSC 4xx	3
STAT 355 Probability & Statistics	4	GFR/GEP Arts & Humanities II	3
GFR/GEP Social Sciences I	3	GFR/GEP Social Sciences II	3
Total:	16	*Total:*	15

Senior Year

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
CMSC 421 Operating Systems	3	CMSC 4xx	3
CMSC 4xx	3	CMSC 4xx	3
Science III†	3	GFR/GEP Culture	3
GFR/GEP Social Sciences III	3	Free Elective	3
Free Elective	3	Free Elective	3
Total:	15	*Total:*	15

Notes:

   Students are also required to take two physical education classes.

* Students with advanced language placement must take electives instead.

† Twelve credits of the science courses must be from the approved list for computer science majors. Students must also satisfy the GFR/GEP science lab requirement. An additional science course may be needed.

‡ CMSC 304 carries AH credit and counts as the third Arts & Humanities course for GFR/GEP.

Sample Computer Science Four-Year Plan (Fall 2013 and after)

Freshman Year

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
CMSC 201 Computer Science I	4	CMSC 202 Computer Science II	4
ENGL 100 Composition	3	CMSC 203 Discrete Structures	3
MATH 151 Calculus I	4	MATH 152 Calculus II	4
GEP Language I*	4	GEP Language II*	4
Total:	15	*Total:*	15

Sophomore Year

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
CMSC 331 Programming Languages	3	CMSC 313 Comp Org & Assembly	3
CMSC 341 Data Structures	3	MATH 221 Linear Algebra	3
Science Sequence I†	4	Science Sequence II†	4
GEP Language III*	4	Science Lab†	2
		GEP Arts & Humanities I	3
Total:	14	*Total:*	15

Junior Year

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
CMSC 304 Social & Ethical Issues‡	3	CMSC 421 Operating Systems	3
CMSC 411 Computer Architecture	3	CMSC 4xx	3
CMSC 4xx	3	CMSC 4xx	3
STAT 355 Probability & Statistics	4	GEP Arts & Humanities II	3
GEP Social Sciences I	3	GEP Social Sciences II	3
Total:	16	*Total:*	15

Senior Year

FIRST SEMESTER	CREDITS	SECOND SEMESTER	CREDITS
CMSC 441 Algorithms	3	CMSC 4xx	3
CMSC 447 Software Engineering I	3	CMSC 4xx	3
Science III†	3	GEP Culture	3
GEP Social Sciences III	3	Free Elective	3
Free Elective	3	Free Elective	3
Total:	15	*Total:*	15

Notes:

Students are also required to take two physical education classes.

* Students with advanced language placement must take electives instead.

† Twelve credits of the science courses must be from the approved list for computer science majors. Students must also satisfy the GEP science lab requirement. An additional science course may be needed.

‡ CMSC 304 carries AH credit and counts as the third Arts & Humanities course for GEP.