COMPUTER SCIENCE DEPARTMENT 2015-2017
PROPOSED SOPHOMORE PLAN OF STUDY

Student Name:_____

E-mail address:_____

CPSC Honors Major Requirements - nine courses in computer science:

Required courses in computer science. **Must be taken** before any upper-level CS course:

CPSC21* _____   CPSC31 _____
Semester and Year   Semester and Year

CPSC35 _____
Semester and Year

One course from each group listed, see link: http://www.cs.swarthmore.edu/courses/future.html:

Group 1: _____   _____
Course   Semester and Year

Group 2: _____   _____
Course   Semester and Year

Group 3: _____   _____
Course   Semester and Year

CPSC180 _____
(Thesis) Semester and Year

Required <u>CPSC97</u>   <u>Fall 2016</u>

Any two CPSC courses numbered above CPSC35 (must different from those chosen above)

Elective: _____   _____
Course   Semester and Year

Elective: _____   _____
Course   Semester and Year

Two mathematics courses at or above MATH27 (Discrete Math and Linear Algebra are recommended):

Math _____   _____
Course   Semester and Year

Math _____   _____
Course   Semester and Year

*If exempted from CPSC21, substitute any upper-level course.

Select **two** from the currently approved preparations:
(Selections to satisfy this part must include 4 distinct courses).

Preparation   Semester and Year

☐   Algorithms & Theory   CPSC41   _____

                                       CPSC46   _____

☐   High-performance Computing   CPSC40   _____

                                       CPSC87   _____

☐   Intelligent Systems   CPSC63   _____

                                       CPSC81   _____

☐   Parallel and Distributed Systems   CPSC45   _____

                                       CPSC87   _____

☐   Network Systems   CPSC43   _____

                                       CPSC45   _____

☐   Natural Language Models   CPSC63   _____

                                       CPSC65   _____

☐   Distributed Computing   CPSC43   _____

                                       CPSC87   _____

☐   Parallel Systems and Algorithms   CPSC41   _____

                                       CPSC87   _____

☐   Data Systems   CPSC44   _____

                                       CPSC45   _____

☐   Statistical Machine Learning   CPSC65   _____

                                       CPSC68   _____

☐   Bioinformatics   CPSC63   _____

                                       CPSC68   _____