COMPUTER SCIENCE DEPARTMENT 2017-2019
PROPOSED SOPHOMORE PLAN OF STUDY

Student name: __________________________
E-mail address: __________________________

CPSC Honors Minor Requirements - six courses in computer science:

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

- CPSC21* __________________ Semester and Year
- CPSC31 __________________ Semester and Year
- CPSC35 __________________ Semester and Year

Two upper-level courses drawn from different groups, see link: [http://www.cs.swarthmore.edu/courses/future.html](http://www.cs.swarthmore.edu/courses/future.html):

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

One Elective: __________________________  __________________________
Course Semester and Year

One mathematics course at or above MATH27 (Discrete Math or Linear Algebra is recommended):

Math __________________________  __________________________
Course Semester and Year

*If exempted from CPSC21, substitute any upper-level course.
Each honors preparations consists of two courses. Pick your 2-credit honors preparations from the following sets. For your preparation, specify the focus course and the breadth. For example, CPSC 41 and CPSC 46 are a valid course preparation pairing, but CPSC 41 and CPSC 68 are not. Honors minors must have at least two distinct courses in their set of one 2-credit preparations.

### Preparation Sets

**Set 0**
- CPSC 41 Algorithms
- CPSC 46 Theory of Computation
- CPSC 49 Probabilistic Method

**Set 1**
- CPSC 63 Artificial Intelligence
- CPSC 65 Natural Language Processing
- CPSC 68 Bioinformatics
- CPSC 81 Adaptive Robotics

**Set 2**
- CPSC 43 Computer Networks
- CPSC 44 Database Systems
- CPSC 45 Operating Systems
- CPSC 87 Parallel and Distributed Computing
- CPSC 89 Cloud Computing

**Set 3**
- CPSC 37 Structure and Interpretation of Computer Programs
- CPSC 73 Programming Languages
- CPSC 75 Compilers

**Set 4**
- CPSC 40 Computer Graphics
- CPSC 87 Parallel and Distributed Computing

### Honors Minor Preparation

Focus course:______________  Semester:______________

Breadth course:_____________  Semester:______________