

## Course Planning Specifics: Computer Science

The Computer Science introductory curriculum emphasizes program design; as part of this focus, the order in which languages are introduced is Racket/Scheme, followed by Java and then C/C++. CS majors can follow one of two paths into the CS curriculum. The choice of which path to take should be based on the student's prior programming experience:

**Most students should take:** [CS 1101](#) Introduction to Program Design (offered in Term C), followed by [CS 2102](#) Object-Oriented Design Concepts (offered in Term D)

Students considering computer science as a major should plan to complete CS2102 by the end of the first year. Those students wishing to pursue the major at a more aggressive pace may consider taking as many as four CS courses the first year: [CS 1101](#) or [CS 1102](#), [CS 2102](#), are encouraged. Please read information throughout website regarding CS 1101 and CS 1102 selection. If completed these courses, you may consider the following CS 2022 CS, 2223, CS 2303, and CS 2011. Please look at course descriptions to determine recommended background. The rest of the year is rounded out with four math classes and a combination of science, humanities and arts and GPS. [Click here](#) for the degree requirements for Computer Science.

### Example of a typical course schedule

<u>C term</u>	<u>D term</u>
CS or Science	CS or Science
MA	MA
GPS/HU	GPS/HU
PE (optional)	PE (optional)

# Course Planning Worksheet: Computer Science

AP/IB/Transfer Credit: \_\_\_\_\_

**Abbreviation Key for Course Planning Tracker:**

- **GPS** = Great Problems Seminar
- **HU**= Humanities Course (includes AB, AR, CN, EN, GN, HI, HU, INTL, ISE, MU, PY, RE, SP, TH, WR)
- **SS** = Social Science Course (includes ECON, ENV, GOV, PSY, SD, SOC, SS)
- **BB** = Biology Course
- **PH**= Physics Course
- **CH**= Chemistry Course

Any courses marked with an asterisk (\*) are optional programs, and can be taken in addition to the three courses.

**Please Note:** The Great Problems Seminars are a two term sequence course. They are also **linked**. This means that when registering for a GPS course in C term, you must register for its second half in D term.

<u>C Term Selections</u>	<u>(Include CRN)</u>	<u>D Term Selections</u>	<u>(Include CRN)</u>
<b>CS 1101/1102, Science, or other CS course</b>		<b>CS 2102, Science or other CS course</b>	
<b>Math</b>		<b>Math</b>	
<b>GPS, HU</b>		<b>GPS, HU</b>	
<b>*Physical Education</b> (1/12 credit unit)		<b>*Physical Education</b> (1/12 credit unit)	
<b>*Military Science</b> (Must be affiliated with an ROTC unit)		<b>*Military Science</b> (Must be affiliated with an ROTC unit)	
<b>Back-ups</b>		<b>Back-ups</b>	