



## CS 162 Expected Preparation Guide

It is very important that students are well prepared for a course before they take it. The goal of this form is to make sure you have the appropriate computing background to take CS 162. CS 162 is designed for students who have previously written programs from scratch in a programming language. However, you do *not* need to know C++ prior to taking this class. If you are uncomfortable with any of the concepts or skills presented below, you should take CS 161 before enrolling in CS 162.

1. You should already understand concepts such as variables, conditionals, loops, arrays, functions, parameters and arguments.
2. You should be able to design and implement a complete program starting with an empty file, *without cutting and pasting code written by someone else*.
3. Demonstrate your mastery of these skills by writing a function in the language of your choice to solve the following problem – *if you have to cut and paste code from the web to do this, you are not ready for CS 162*:

Write a function that receives an array of integers as a parameter, where the very first element of the array represents the number of elements in the array. Return the largest value in the array (not including the very first element). Verify your work by entering and running this program on a computer. If you need to find a computer on campus to run this program, see:

<http://www.pdx.edu/oit/computer-labs-classrooms>