

Computer Science Survey  
Portland Community College  
Rock Creek Campus  
Spring 2002

Prepared by

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# Computer Science Survey Spring 2002

The purpose of this survey is to analyze the student demographics data of the Computer Science Program at Portland Community College, Rock Creek Campus, and use this data to strengthen the articulation and transfer relationships among other educational institutions and : Portland State University, Oregon State University and other schools in the area where PCC's Computer Science Students are going to transfer. This survey provided the data to identify the student demographics during Spring term of 2002. This process should be repeated every year.

The questionnaire available online at [http://www.waltermorales.net/cs\\_survey.htm](http://www.waltermorales.net/cs_survey.htm). There were 86 respondents from the following courses CS140U (1 classes), CS133U (2 classes), CS160 (1 class), CS161 (1 class) , CS162 (1 class), CS271 (1 class), CS324u (1 class), CS260 (1 class), CS261 (1 class). The survey was available for two weeks during the Spring term 2002.

# Analysis of the data collected

## Student Campus Accessibility

This graph indicates that the students that attend our campus think that RC is more accessible to them. There are CS classes that are only offered at the SY Campus and some only at RC. 89% (76% 2000 survey) of the students indicated that RC is more convenient, 1% (7%) it is indifferent and 7% (17%) that SY is more convenient to them.

## Students and Field of Study

31% (74% 2000 survey) indicated that they are CS majors. Only 23% were CS majors in 1992 survey. This shows a large decrease in our CS student population. This other large groups *other* and *undeclared* total 44% of our student population, those are students that are taking courses for upgrading their skills or just exploring CS. Engineering students also show a strong 15%.

## Transfer School

Overwhelmingly this data shows that 74% (85% in 2000) students plan to transfer to Portland State University and Oregon State is the lowest (1 student). OIT and other schools in the state add up to 18%. In 1992 only 32% of our students were planning to transfer to PSU. We should maintain our articulation agreement with PSU and make sure that our students have a smooth transition as they transfer. Also we should work closer with OIT.

## Preference for Time

41% (45% in 2000) of our students show that evenings, starting at 4 pm is their preference to take our courses. 11% (13% in 2000) indicated that Saturday would also be a good choice. The remaining 14% morning (8am - noon) 15% afternoons and 10 % in the once a week Friday format. In the **Would take classes once a week** chart indicated that 69% would be willing to take classes in the once a week format.

## Would Take Classes Online

This graph represented the willingness of our students to take CS classes online. More than half of the respondents 56% (54% in 2000) indicated that they would be willing to take courses online. Currently our campus offers no CS courses online. As a response to this data we should offer online courses.

## Educational Background

This graph show an interesting trend of our students. It is indicating that 30% of our students already have a bachelor's degree. 20% already have their Associates. 7% already with their master's degree, but the largest group, 42%, are students that have completed High School.

## Reason for Taking CS Courses

This chart indicates the reason why our population is taking our classes. Almost half of our students 47% are focusing on the transfer degree, while the second highest group of students is focused in Career enhancement. Although the other categories are small we should focus on them as well as the transferring population.

The graphs that are not explained in this document are self-explanatory and there is no need for further commenting.

# PORTLAND COMMUNITY COLLEGE

## COMPUTER SCIENCE

Please assist Portland Community College's Computer Science program in continuing to improve the program to meet your needs by filling out this anonymous survey. There are two pages to the survey.

Pick a 4 digit ID

Gender

Male  Female

1. What campus are you taking CS courses?

2. Which campus is more convenient?

3. Check course(s) in which you are enrolled:

CS160  CS133U  CS140U  CS161  CS162  CS260

CS171  CS271  CS234U  CS261

4. Describe your educational background:

High school  Associates  Bachelors  Masters  PHd

Field of study/Degree

5. Select the statement that most accurately describes your reasons for taking this class :

a) I am working on a Bachelors degree in Computer Science and intend to complete my Associate of Science degree through PCC and transfer to a 4-year university Computer Science degree program.

Where are you going to transfer?

b) I possess a Bachelors degree in another subject area and am preparing for graduate work in Computer Science

(or related area, please specify)

c) I am working on an AAS degree in Computer Information Systems (or related area) and I am using this course toward that degree

d) I am working in the software industry and have returned for further education in this subject area, but I am not pursuing an additional degree at this time

e) I am contemplating a career in the software industry and am trying this class to see if I enjoy the work

f) I am using this course as an elective toward an Associate of Arts or Associate of Science degree, but I am not contemplating a career in the software industry

g) Other: please describe

6. Major field of study:

CS  CIS  ENGINEERING TRANSFER

OTHER

7. Would you be interested in a class that met 1 night a week for 3 lecture hours (rather than our current twice a week format)?

8. What course times do you prefer (select multiple if applies) Press control + click left button to select multiple:



- 8-10AM
- 10-12AM
- 12-2PM
- 2-4PM
- 4-6PM
- 6-8PM
- 8-10PM
- FRIDAY 3 HRS CLASS AM
- FRIDAY 3 HRS CLASS PM
- SATURDAY AM
- SATURDAY PM
- SUNDAY
- Web Based

9. check other computer-related courses you have taken at PCC:

Computer Science:

- CS160    CS133U    CS140U    CS161    CS162    CS260
- CS171    CS271    CS234U
- CS250    CS251    CS252    CS261

10. Mark further computer-related courses that you intend to take at PCC:

Computer Science: (please select when you are planning to take it, if known)

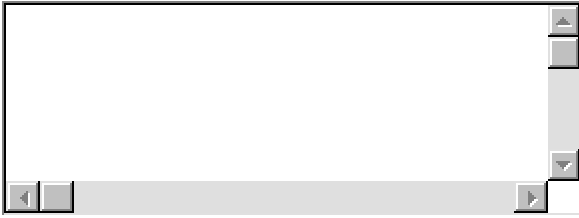
CS133U NO_PLAN ▼	CS140U NO_PLAN ▼	CS161 NO_PLAN ▼
CS162 NO_PLAN ▼	CS260 NO_PLAN ▼	CS261 NO_PLAN ▼
CS171 NO_PLAN ▼	CS271 NO_PLAN ▼	
CS160 NO_PLAN ▼	CS234U NO_PLAN ▼	

- CS 133U Introduction to C Programming, 4 Credits
- CS 140U Introduction to UNIX, 4 Credits
- CS160 Exploring Computer Science, 4 Credits
- CS 161 Computer Science I, 4 Credits
- CS 162 Computer Science II, 4 Credits
- CS 171 Assembler Language I, 4 Credits
- CS 234U Advanced C++, 4 Credits
- CS 260 Data Structures, 4 Credits
- CS 261 Programming Systems, 4 Credits
- CS 271 Computer Architecture, 4 Credits

11.

What do you think about the CS Program changing to JAVA for its

first CS161/cs162 sequence? Any further comments  
on the Computer Science program at PCC...



12. Have you taken any distance learning courses  
(please mark all that apply)?

through PCC  at another school  none

Would you take a CS class online?

YES ▼

Would you consider finishing the whole CS program online?

YES ▼

13. Enrolment status

(Credits this term)

Submit Comments Clear Form

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Revised:.**