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# Western Washington University Extended Programs: 1996 Survey of Kitsap Employers Regarding Computer Science Needs

Western Washington University. Office of Survey Research

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# Western Washington University Extended Programs

## 1996 Survey of Kitsap Employers Regarding Computer Science Needs



*Office of Survey Research  
Western Washington University  
Bellingham, WA 98225-9081*

Thank you for your assistance with this important project. The information you provide will be used to determine employer demand for computer science training in Kitsap County.

Your participation is extremely important to the validity of this study. We very much appreciate your prompt reply.

All questionnaires are guaranteed complete confidentiality.

To return your questionnaire, fold it in half and use the postage-paid return envelope provided.

Thanks!

1. What products or services does your organization provide?

(If several, please indicate all broad areas):

2. How many total employees does your organization have in Kitsap County?

TOTAL EMPLOYEES \_\_\_\_\_

3. We would like to know how many, if any, of your employees work with computers in ways more complex than word processing or routine record keeping. Please indicate the number of employees for whom this would be a full-time assignment, and how many for whom this would be one substantial part of their duties?

FULL-TIME \_\_\_\_\_

SUBSTANTIAL PART \_\_\_\_\_

**IF NONE ON 3.a and 3.b, please answer Q.11 and Q 12 , then end the survey.**

4. Thinking only about the employees who work with computers full-time (as answered in 3a above), what types of computer expertise do they most need for their work? (i.e., specific or general skills, training, level of expertise.) (Use reverse as needed.)

Types of computer expertise required of full-time assignments :

5. How often would you say these same (full-time assignment) employees need to understand the basic theory behind computers and computer systems?

1. All the time    2. Most of the time    3. Some of the time    4. Seldom or never    9. Don't know

6. Now thinking about your employees for whom non-routine computer work is one substantial part of their duties (as answered for Q3b above), what types of computer expertise do they most need for their work? (Specific or general skills, training, expertise)

Types of computer expertise required as substantial part of duties:

7. How often would you say these [substantial part] employees need to understand the basic theory behind computers and computer systems?

1. All the time    2. Most of the time    3. Some of the time    4. Seldom or never    9. Don't know

8. Thinking now of all your employees who do non-routine work with computers, how many of them have as one of their primary assignments...

	All	Most	Half	Some	None	Don't Know
a. The statistical analysis of data	1	2	3	4	5	9
b. Graphic design work	1	2	3	4	5	9
c. Fiscal work such as accounting or inventory management	1	2	3	4	5	9
d. Management Information System work	1	2	3	4	5	9
e. Maintenance or repair of hardware or software	1	2	3	4	5	9

9. Again, of all your people who do non-routine work with computers, how many have job assignments including each of the following?

	All	Most	Half	Some	None	Don't Know
a. Original programming or development of new tools or systems	1	2	3	4	5	9
b. Advising or planning future hardware or software purchases	1	2	3	4	5	9
c. Diagnosing or solving problems with computer systems	1	2	3	4	5	9
d. Training or supervising others doing computer work	1	2	3	4	5	9
e. Working with already established software programs	1	2	3	4	5	9
f. Debugging existing programs or tailoring them to your needs	1	2	3	4	5	9

g. Are there other major types of assignments these people have? [record here:]

10. Thinking of the employees you counted as currently doing full-time non-routine work with computers, how many of those positions are likely to be opening to hire within the next five years, due to retirement or other turnover?

FULL-TIME \_\_\_\_\_

How many positions with regard to "substantial part" employees?

SUBSTANTIAL PART \_\_\_\_\_

11. Within the next five years, how many, if any, NEW positions do you envision that will involve non-routine work with computers full-time and how many others as a substantial part of their work?

FULL-TIME \_\_\_\_\_

SUBSTANTIAL PART \_\_\_\_\_

*Our last few questions have to do with the types of training you need for your employees who do non-routine computer work, including your current positions and new positions that may be opening within the next five years.*

12. What level of education do [will] these positions require? Please indicate how many of these positions (will) require each level of education listed:

	FULL-TIME					SUBSTANTIAL PART				
	ALL	MOST	HALF	SOME	NONE	ALL	MOST	HALF	SOME	NONE
a. Less than B.A.	1	2	3	4	5	1	2	3	4	5
b. Bachelors (4 Yr.)	1	2	3	4	5	1	2	3	4	5
c. Masters or beyond	1	2	3	4	5	1	2	3	4	5
d. Don't know	1	2	3	4	5	1	2	3	4	5

**IF NONE AT BACHELORS OR ABOVE, SKIP TO QUESTION 14**

13. Among your positions that require at least a Bachelors degree, is a degree in computer science required or strongly preferred for.....

1. All      2. Most      3. Half      4. Some      5. None

13a. If half or fewer (above): What other degrees do you typically look for?

Other degrees:

14. If appropriate college training in computer science were available in Kitsap County, how many of your current employees would you send to take courses in an average year?

DURING WORK HOURS

\_\_\_\_\_

AFTER HOURS

\_\_\_\_\_

15. What would you say are the major new directions your organization's computer needs are taking in the foreseeable future?

New Directions:

**THANK YOU FOR HELPING WITH THIS IMPORTANT PROJECT!**

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or mail to the following:**

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