Information Technology Work Force Survey

Welcome to the Information Technology Workforce Study.

To open the survey, please enter your Survey ID and Password in the boxes below and click on the "Login" button. To view a version of the survey where your answers will not be recorded, enter "guest" for both "Survey ID" and "Password".

If you have any problems accessing the survey, please email csr@indiana.edu or call 1-800-258-7691.

Information Technology Work Force Survey

Welcome

This survey of information technology students is being conducted to help researchers better understand the factors that lead students to major in information technology disciplines. As a member of your university's information technology program, your input is important and your responses to this survey will be highly valued.

Please be assured that your answers are confidential and no individual's answers will ever be identified in any report. Your participation is voluntary. Your decision to participate will, in no way, affect your standing in your program.

[Proceed to the survey]

[I do not wish to participate]

When and where did you first start using computers?
<1> At home, before I went to elementary school
<2> At home, after I began elementary school
<3> In elementary school
<4> In secondary school
<5> In college
<6> Other

When and where did you first start using computers?
Other (ENTER TEXT)

When you first began to use a computer, who most encouraged you in this activity?
<1> Your mother
<2> Your father
<3> Both parents
<4> A friend
<5> A teacher
<6> No one
<7> Other

When you first began to use a computer, who most encouraged you in this activity?
Other (ENTER TEXT)

When did you decide to major in an information technology (IT) field?
<1> In elementary school
<2> In middle school
<3> In high school
<4> As a college freshman
<5> As a college sophomore
<6> As a college junior or senior
<7> I did not major in an IT field as an undergraduate, but decided to do so
    when entering graduate school

When and how did you first learn computer programming (e.g., HTML, C++, Java, Basic)?
<1> On my own when I was a child
<2> On my own when I was a teenager
<3> Through classes I took at a summer/computer camp
<4> Through classes I took in middle or high school
<5> Through classes I took in a university
<6> I don't know how to program a computer
<7> Other

When and how did you first learn computer programming?
Other (ENTER TEXT)

When you were a child, how often did you play computer games?
<1> very frequently
<2> frequently
<3> occasionally
<4> rarely

<5> Never

Between the ages of 12 and 17, how much of your time was spent using a
computer?
<1> Most of my free time
<2> A lot of my free time
<3> Some of my free time
<4> Little of my free time
<5> None of my free time

Which of the following best describes the main activity you engaged in on the
computer between the ages of 12 and 17?
<1> Playing games
<2> Communicating with my friends and other people
<3> Learning new programming languages
<4> Learning how the hardware works
<5> Surfing the web
<6> Other

Which of the following best describes the main activity you engaged in on the
computer between the ages of 12 and 17?
Other (ENTER TEXT)

Does (or did) your father(s) work in an information technology field?
<1> yes
<2> no
<8> Don't know

If so, what kind of work did he do?
<1> Scientific/technical
<2> Administrative/managerial
<3> University teaching and/or research
<4> K-12 teaching
<5> Sales
<6> Clerical
<7> Consulting
<8> Other

If so, what kind of work did he do?
Other (ENTER TEXT)

Does (or did) your mother(s) work in an information technology field?
<1> yes
<2> no
<8> Don't know

If so, what kind of work did she do?
<1> Scientific/technical
<2> Administrative/managerial
<3> University teaching and/or research
<4> K-12 teaching
<5> Sales
<6> Clerical
<7> Consulting
<8> Other

If so, what kind of work did she do?

Other (ENTER TEXT)

Who most strongly encouraged you to enter an information technology field?

Father
<1> Checked
<2> Unchecked

Mother
<1> Checked
<2> Unchecked

A male high school teacher
<1> Checked
<2> Unchecked

A female high school teacher
<1> Checked
<2> Unchecked

A male college teacher
<1> Checked
<2> Unchecked

A female college teacher
<1> Checked
<2> Unchecked

A male friend
<1> Checked
<2> Unchecked

A female friend
<1> Checked
<2> Unchecked

A male employer
<1> Checked
<2> Unchecked

A female employer
<1> Checked
<2> Unchecked

Someone other than the people listed above.
<1> Checked
<2> Unchecked

Someone other than the people listed above.
(ENTER TEXT)

Nobody encouraged me.
<1> Checked
<2> Unchecked

How important were the following factors in your decision to major in an information technology field?

Ability to find well-paid employment
<1> very important
<2> somewhat important
<3> not too important
<4> not at all important

Opportunity to have a flexible work schedule
<1> very important
<2> somewhat important
<3> not too important
<4> not at all important

Challenge inherent in the subject matter
<1> very important
<2> somewhat important
<3> not too important
<4> not at all important

Personal interest in the subject matter
<1> very important
<2> somewhat important
<3> not too important
<4> not at all important

Desire to help others
<1> very important
<2> somewhat important
<3> not too important
<4> not at all important

People I admire and respect are studying/working in the field.
<1> very important
<2> somewhat important
<3> not too important
<4> not at all important

I've always been good with computers.
<1> very important
<2> somewhat important
<3> not too important
<4> not at all important

Other
<1> very important
<2> somewhat important
<3> not too important
<4> not at all important

Other (ENTER TEXT)

In general, how satisfied are you with your decision to major in an
information technology field?
<1> very satisfied
<2> somewhat satisfied
<3> neutral
<4> somewhat dissatisfied

<5> very dissatisfied

Which one of the following statements would have most accurately described
your perception about the nature of IT work before you began studying
information technology?
<1> IT workers spend most of their time in isolation
<2> IT workers spend most of their time in groups
<3> IT workers spend their time both in isolation and in groups
<4> I had no perception about how IT workers spent their time

Has your perception changed now that you are studying IT?
<1> yes
<2> no

Which statement best reflects your future priorities?
<1> Career is more important than personal life
<2> Personal life is more important than career
<3> Personal life and career are equally important

What kind of job would you most like to have after you graduate?
<1> Scientific/technical
<2> Administrative/managerial
<3> University teaching and/or research
<4> K-12 teaching
<5> Sales
<6> Clerical
<7> Consulting
<8> Other

What kind of job would you most like to have after you graduate?
Other (ENTER TEXT)

The following questions relate to your attitudes about working with computers
and computer programs. Select the button that best describes your attitude
towards each of the statements.

How appealing is the challenge of solving problems with computers to you?

<1> very appealing
<2> somewhat appealing
<3> not too appealing
<4> not at all appealing

How comfortable are you working with computers?
<1> very comfortable
<2> somewhat comfortable
<3> not too comfortable
<4> not at all comfortable

How would you rate your programming skills compared to other students in your
major?
<1> much better
<2> somewhat better
<3> about the same
<4> somewhat worse

<5> much worse

How much of your free time do you like to spend using the computer for games
or other leisure activities?
<1> most of my free time
<2> some of my free time
<3> little of my free time
<4> none of my free time

How comfortable do you feel trying new things on the computer?
<1> very comfortable
<2> somewhat comfortable
<3> not too comfortable
<4> not at all comfortable

When there is a problem with a computer program that you can't immediately
solve, how likely is it that you will stick with it until you have the
answer?
<1> very likely
<2> somewhat likely
<3> not too likely
<4> not at all likely

How surprising to you is it that some people can spend so much time working
with computers and seem to enjoy it?
<1> very surprising
<2> fairly surprising
<3> not too surprising
<4> not at all surprising

In your opinion, how useful a tool do you think computers are?
<1> very useful
<2> fairly useful
<3> not too useful
<4> not at all useful

How interested are you in understanding how computers work?
<1> very interested
<2> somewhat interested
<3> not too interested
<4> not at all interested

How easily do you learn computer languages?
<1> very easily
<2> fairly easily
<3> not too easily
<4> not at all easily

How hard is it for you to stop once you start work using a computer?
<1> very hard to stop
<2> fairly hard to stop
<3> fairly easy to stop
<4> very easy to stop

If a problem is left unsolved in a computer class, how likely is it that you
would continue to think about it afterwards?

<1> very likely
<2> somewhat likely
<3> not too likely
<4> not at all likely

How would you rate the grades you generally get in computer programming
classes?
<1> excellent
<2> very good
<3> good
<4> fair
<5> poor

How much do you enjoy talking with others about computers?
<1> very much
<2> a little
<3> not at all

How would you rate your self-confidence when it comes to working with
computers?
<1> high
<2> fairly high
<3> fairly low
<4> low

The following statements describe the feelings some people have about their
school work. For each statement, select the response that best describes your
feelings.

How often do you feel emotionally drained as a result of your school work?
<1> very often
<2> sometimes
<3> rarely
<4> never

How certain are you that you have chosen the best of all possible subjects to
study?
<1> very certain
<2> somewhat certain
<3> not too certain
<4> not at all certain

How similar do you think your values are with the values of your chosen
field?
<1> very similar
<2> somewhat similar
<3> not too similar
<4> not at all similar

How often do you feel burned out from your school work?
<1> very often
<2> sometimes
<3> rarely
<4> never

How much does your major inspire you to do the very best in terms of school
performance?

<1> very much
<2> some
<3> not too much
<4> not at all

How much enjoyment do you get out of doing your school work?
<1> very much
<2> some
<3> not too much
<4> none at all

How confident are you that you that you will complete your current degree program?
<1> very confident
<2> somewhat confident
<3> not too confident
<4> not at all confident

How easy do you think it will be for you to find a job in an information technology field?
<1> very easy
<2> somewhat easy
<3> somewhat hard
<4> very hard
<5> Not applicable
<8> DK

The following set of statements relate to balancing work life with personal life. Please respond to the following statements based on the frequency with which they occur.

Things I want to do in my personal life do not get done because of the demands my school work puts on me.
<1> frequently
<2> occasionally
<3> neutral
<4> seldom
<5> never

The strain produced by my work at school affects my ability to fulfill personal responsibilities.
<1> frequently
<2> occasionally
<3> neutral
<4> seldom
<5> never

Due to school work-related duties, I have to change my plans for personal activities.
<1> frequently
<2> occasionally
<3> neutral
<4> seldom
<5> never

Things I want to do at school don't get done because of the demands of my personal life.

<1> frequently
<2> occasionally
<3> neutral
<4> seldom
<5> never

Strain in my personal life interferes with my ability to perform school-
related duties.
<1> frequently
<2> occasionally
<3> neutral
<4> seldom
<5> never

Mentoring. For each of the following situations, select one box for the
person most associated with the situation in your current program of studies.

Recommended you for challenging assignments that present opportunities to
learn new skills?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Recommended you for assignments that helped you meet other students in your
department or school?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Recommended you for assignments that involved personal contact with
professors in other departments?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Helped you finish assignments/tasks or meet deadlines that otherwise would
have been difficult to complete?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Gone out of his/her way to promote your career interests?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Informed you about what is going on at higher levels in the school or how
external conditions are influencing the school?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Conveyed feelings of respect for you as an individual?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Conveyed empathy for the concerns and feelings you have discussed with
him/her?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Encouraged you to talk openly about anxiety and fears that detract from your
studies?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Shared personal experiences relevant to your problems?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Shared history of his/her career with you?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Encouraged you to think about graduate school?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Served as a role model?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Displayed attitudes and values about the field similar to your own?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

Recommended you for fellowships, scholarships or internships?
<1> Male Faculty member
<2> Female Faculty member
<3> Male Administrator
<4> Female Administrator
<5> None of these
<6> No one
<98> Don't know

How many close friends do you have in your major department at <fill university name>?
<1> Four or more
<2> Two or three
<3> One
<4> None

Do you feel a sense of belonging in your major department or school?
<1> To a great extent
<2> To some extent
<3> To a small extent
<4> Not at all

How important is it to you to experience a sense of belonging or community in your major department or school?
<1> very important
<2> moderately important
<3> slightly important
<4> not important at all

How would you assess the climate in your major department or school for each of the following groups of students?

African Americans
<1> strongly supportive
<2> somewhat supportive
<3> neutral
<4> somewhat unsupportive
<5> strongly unsupportive

Asian Americans
<1> strongly supportive
<2> somewhat supportive
<3> neutral
<4> somewhat unsupportive
<5> strongly unsupportive

Hispanics
<1> strongly supportive
<2> somewhat supportive
<3> neutral
<4> somewhat unsupportive
<5> strongly unsupportive

Other ethnic minorities
<1> strongly supportive
<2> somewhat supportive
<3> neutral
<4> somewhat unsupportive
<5> strongly unsupportive

Caucasians
<1> strongly supportive
<2> somewhat supportive
<3> neutral
<4> somewhat unsupportive
<5> strongly unsupportive

Students with disabilities
<1> strongly supportive
<2> somewhat supportive
<3> neutral
<4> somewhat unsupportive
<5> strongly unsupportive

Gay and lesbian students
<1> strongly supportive
<2> somewhat supportive
<3> neutral

<4> somewhat unsupportive
<5> strongly unsupportive

Transgender and bisexual students
<1> strongly supportive
<2> somewhat supportive
<3> neutral
<4> somewhat unsupportive
<5> strongly unsupportive

International students
<1> strongly supportive
<2> somewhat supportive
<3> neutral
<4> somewhat unsupportive
<5> strongly unsupportive

Men
<1> strongly supportive
<2> somewhat supportive
<3> neutral
<4> somewhat unsupportive
<5> strongly unsupportive

Women
<1> strongly supportive
<2> somewhat supportive
<3> neutral
<4> somewhat unsupportive
<5> strongly unsupportive

For the purposes of this question, father refers to the male care provider who raised you most. It could be your biological father, step father, or another relative.

Does your father have traditional ideas about roles men and women should adopt—for example, that men should be the primary wage earners and women should be the primary child care providers in the home?
<1> Yes, my father has those views
<2> No, my father doesn't have those views
<7> not applicable
<8> DK

For the purposes of this question, mother refers to the male care provider who raised you most. It could be your biological mother, step mother, or another relative.

Does your mother have traditional ideas about roles men and women should adopt—for example, that men should be the primary wage earners and women should be the primary child care providers in the home?
<1> Yes, my mother has those views
<2> No, my mother doesn't have those views
<7> not applicable
<8> DK

How many hours per week, on average, do you spend at a computer? (type in)

For how many credit hours are you currently enrolled? (type in)

What year in school are you?
<1> Freshman
<2> Sophomore
<3> Junior
<4> Senior
<5> Master's program
<6> Ph.D. program
<7> Other

What year in school are you?
Other (ENTER TEXT)

What is your major? (select the choice that most closely matches your major):
<1> Computer Science/Computer Science and Engineering
<2> Information Science
<3> Information Systems/Management Science and Systems/Technology Management
    & Information Systems
<4> Instructional Technology/Educational Technology
<5> Informatics
<6> Other

What is your major?

Other (ENTER TEXT)

What is your second major (if any)?

What is your minor (if any)?

What is your concentration (if any)?

Type in your year of birth:

What country did you grow up in?

What is your primary language?
<1> English
<2> Other

Other - Please type the language here:

What is your gender?
<1> male
<2> female

Are you currently employed?
<1> yes
<2> no

How many hours do you work per week? (type in)

Do you live with a spouse or domestic partner?
<1> yes
<2> no

Do you have children who live with you?
<1> yes
<2> no

If yes, how many children do you have? (type in)