

# DAPPIC - Last Week Survey

Welcome to the last week of class survey for your course. This survey will ask you questions about a course that you are currently completing. **The person who sent you the survey should have provided you with a survey code. Please select this code in the next page.**

This survey is being administered by your institution to help them better understand your experience in their courses. This survey was developed by the Data Alliance on Persistence and Perception in Computing (DAPPIC), which is an NSF BPC Alliance led by Northeastern University's Center for Inclusive Computing (CIC) and CRA's Center for Evaluating the Research Pipeline (CERP).

Your responses are completely anonymous. The data is collected by CERP and will only be shared with your institution as an aggregate report.

Except for the questions asking you to specify the survey code and the institution you are attending, all questions are voluntary. You may skip any question you do not wish to answer and/or leave the survey at any time.

If you have any questions regarding this survey, please contact [cerp@cra.org](mailto:cerp@cra.org).

Your responses will benefit your institution greatly and help them improve your experience in your degree program.

This survey should take no more than 5-10 minutes of your time to complete. **Please click "Next" to start the survey.**

## Institution and Survey Code

Please select the institution from which you received this survey.

▼ [dropdown list of institutions]

Please select the survey code provided to you when you received this survey invitation.

▼ [dropdown list of survey codes]

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## Definition of Computing

Throughout this survey, we will use the terms "computing" and "computing-related".

"Computing" or "computing-related" includes the fields below and other similar fields:

- Computer Science
- Computer Engineering
- Software Engineering
- Electrical and Computer Engineering
- Systems Engineering
- Computer Hardware Engineering
- Computing Information Systems
- Information Systems, Information Science
- Informatics, Bioinformatics
- Cybersecurity
- Data Science/Data Analytics
- Machine Learning
- Robotics
- High Performance Computing
- Human-Computer Interaction
- Computational Science/Social Science
- Computational Biology
- Computational Economics
- Computational Mathematics
- Any other computing & technology field

## Major/Minor Status

Are you a computing major or pre-major?

- Yes
- No

Are you computing minor?

- Yes
- No

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## Experience in the Course

**While answering the questions in this survey, please consider the course from which you received this survey.**

Why did you enroll in this computing course? Choose up to 3 responses.

- It was required for my major/minor
- It fulfilled a university/college requirement
- Curiosity or interest in computing/course material
- My family encouraged me to
- A teacher or other mentor encouraged me to
- It helped build my computing skills for my other interests

Have you previously enrolled in this course?

- No, this is my first time enrolling in this course
- Yes, I previously enrolled in this course but withdrew/dropped prior to the end of the term
- Yes, I previously enrolled in this course but did not earn a passing grade

Please indicate the extent to which you disagree or agree with the following statements:  
(Strongly disagree, Somewhat disagree, Neither agree nor disagree, Somewhat agree, Strongly agree)

- I enjoyed taking this introductory computing course at my institution.
- I would recommend taking this introductory computing course to a friend.
- I plan to take the next/another introductory computing course at my institution.

How did this course impact your plans regarding your major/minor? Select all that apply.

- [If Do you currently have a computing major? = No]* I am considering majoring in a computing field
- [If Do you currently have a computing major? = No]* I am considering adding a computing minor.
- [If Do you currently have a computing major? = Yes ]* I am considering changing my computing major to a non-computing major.
- [If Do you currently have a computing major? = Yes]* I am considering changing my computing minor to a non-computing minor.
- None of the above.

To what degree was the amount of time you spent on this course was reasonable to you?

- Very unreasonable
- Somewhat unreasonable
- Somewhat reasonable
- Very reasonable

What grade do you anticipate earning in this course?

- A/B
- C
- D
- F
- I am taking this course pass/fail and I will pass
- I am taking this course pass/fail and I will fail
- W or other Withdraw status

Which of the following math courses did you take this semester? Select all that apply.

- Pre-calculus
- Calculus I
- Calculus II
- Calculus III (Multivariate Calculus)
- Linear Algebra
- Probability/ Statistics
- Discrete mathematics
- Other mathematics course(s)
- None of the above

Did you consider withdrawing from this course at any point in the semester?

- Yes
- No

[If Did you consider withdrawing from this course at any point in the semester? = Yes]

Why did you consider dropping? Choose up to 3 responses.

- It didn't meet my expectations
- It was too challenging
- I didn't like the course material
- It was not challenging enough
- I'm no longer interested in computing
- It was no longer a requirement for my degree
- I didn't enjoy the teaching style of my professor
- I had a scheduling conflict
- I didn't feel welcomed in the course
- I experienced health issues that inhibited my ability to feel/be successful
- I did not have any friends in this course/major
- The professors were not supportive
- The TAs were not supportive
- Other, please specify: \_\_\_\_\_

[If Did you consider withdrawing from this course at any point in the semester? = Yes]

Why did you end up staying in this course? Choose up to 3 responses.

- My family encouraged/supported me
- My friends encouraged/supported me
- Professors/faculty encouraged/supported me
- I had already invested too much time and resources
- I liked the field of study
- The job market for this field is promising
- It was required for my major/minor
- It fulfilled another requirement
- Curiosity or interest in computers
- It helped build my computing skills for my other interests
- I wasn't allowed to dropped the course because of university/sponsor/visa requirements
- Other, please specify: \_\_\_\_\_

## Prior Activities

Which of the following mathematics courses did you take prior to enrolling in this course? Select all that apply.

- Pre-calculus
- Calculus I
- Calculus II
- Calculus III (Multivariate Calculus)
- Linear Algebra
- Probability/ Statistics
- Discrete mathematics
- Other mathematics course(s)
- None of the above

Which of the following experiences did you have prior to enrolling in this course? Select all that apply.

- Took AP Computer Science A
- Took AP Computer Science Principles
- Took AP Computer Science AB
- Took dual enrollment courses in computer science
- Learned a computer programming language
- Engaged in software or hardware related projects
- Took part in student groups related to computing
- Completed an online courses related to computing (e.g. MOOC)
- Attended workshop or other training in computing (e.g., through your local library, community center, etc.)
- None of the above

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## Sense of Belonging

Please indicate the extent to which you disagree or agree with the following statements:  
(Strongly disagree, Somewhat disagree, Neither agree nor disagree, Somewhat agree, Strongly agree)

- I see myself as a “computing person.”
- I feel like I “belong” in computing.
- I feel like an outsider in computing.
- Computing is a big part of who I am.
- I feel welcomed in computing.
- I do not have much in common with the other students in my computing classes.

## Self-Efficacy

Please indicate the extent to which you disagree or agree with the following statements:  
(Strongly disagree, Somewhat disagree, Neither agree nor disagree, Somewhat agree, Strongly agree)

- I am confident I can find a group of people to study with in this course.
- I am confident I can pass my computing course.
- I am confident I can learn the foundations and concepts of computing.

## Demographics

What is your gender identity?

- Man
- Woman
- Gender-queer/gender non-conforming/non-binary
- Agender
- Something else

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Are you transgender?

- Yes
- No

What is your ethnicity? Select all that apply.

- Not of Hispanic, Latinx, or Spanish origin
- Cuban
- Mexican, Mexican American, Chicax
- Puerto Rican
- Another Hispanic, Latinx, or Spanish origin

What is your race? Select all that apply.

- African American/African/Black
- Native American/Alaska Native
- Indigenous or First Nations
- Native Hawaiian/Pacific Islander
- Arab/Middle Eastern
- Caucasian/European/White
- East Asian (e.g., Chinese, Japanese, Korean)
- Southeast Asian (e.g., Cambodian, Vietnamese, Hmong, Filipino)
- South Asian (e.g., Indian, Pakistani, Nepalese, Sri Lankan)
- Other Asian
- Something else

What type of disability do you have? Please check all that apply.

- I do not have a disability
- Attention deficit
- Auditory disability
- Autism spectrum disorder
- Blind or visually impaired (does not include near/far sightedness)
- Health-related disability
- Learning disability
- Mental health disability
- Mobility or orthopedic disability
- Speech or language disorder
- Something else

What is your citizenship status?

- U.S. citizen or permanent resident (includes dual-citizenship)
- Non-U.S. citizen with temporary visa
- Other non-U.S. citizen

What is the highest level of education attained by any of your parent(s)/guardians?

- Less than high school
- High school graduate or G.E.D.
- Some college (no degree earned)
- Associate degree
- Bachelor's degree
- Master's degree
- Doctoral degree
- I don't know

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Do any of your parent(s)/guardian(s) currently have, or have held, a career related to the following fields:

- Computer science/Information Technology
- Engineering
- Mathematics
- Any other STEM field
  
- Yes
- No
- I don't know

Growing up, what do you think your family's socioeconomic status was?

- Poor
- Below average/Lower middle class
- Average/Middle class
- Above average/Upper middle class
- Wealthy
- I don't know