## Pre/Post Survey

## Background, Demographic, and Disability Information

\* indicates a required question

| 1. | *Elon email address:  |
|----|---|
| 2. | *Select the course in which you are taking this survey. If you are enrolled in multiple courses listed here, only select the one in which you are attending at this date and time.    xxx                       |
| 3. | *What is your year at Elon University? Provide your year as it corresponds to your expected graduation date, not according to credit hours.    First-year   |
| 4. | *What is your major (or planned major) at Elon?  Major #1  Major #2 (if applicable)  Undecided  |
| 5. | What is your minor (or planned minor) at Elon (if applicable)?  Minor #1  Minor #2 (if applicable)  Additional minors (if applicable)  Undecided  |
| 6. | What is your prior experience in computer science (check all that apply)?  Major coursework  Minor coursework  High School coursework  Personal study  Internship or work experience  Research experience  None |

| 7. How do you identify? Check all that apply.   |        |
|---|--------|
| ☐ African American/Black  |        |
| ☐ Asian   |        |
| ☐ Hispanic/Latino   |        |
| ☐ Native American/Alaska Native   |        |
| ☐ Pacific Islander or Native Hawaiian   |        |
| ☐ White/Caucasian   |        |
| □ Not Listed  |        |
| ☐ Prefer not to respond   |        |
| 8. How do you identify? Check all that apply.   |        |
| ☐ Female  |        |
| ☐ Male  |        |
| ☐ Transgender   |        |
| ☐ Non-Binary  |        |
| □ Not listed  |        |
| ☐ Prefer not to respond   |        |
| If you feel comfortable doing so, please provide the following information about cognitive conditio other disabilities. | ns and |
| 9. Do you live with a diagnosed cognitive condition?  |        |
| ☐ Yes   |        |
| □ No  |        |
| □ Other   |        |
| ☐ Prefer not to respond   |        |
| 10. Do you have a diagnosed disability?   |        |
| Yes   |        |
| □ No  |        |
| Other   |        |
| ☐ Prefer not to respond   |        |
| 11. Is there anything else you would like to share about your identity and/or disabilities with t                       | he     |
| researchers conducting this study?  |        |
| <del></del>   |        |
| <del></del>   |        |
|   |        |

If you feel comfortable doing so, please provide the following demographic information.

## Belonging and Inclusion Pre-Survey Questions

How strongly do you agree or disagree with the following statements:

|   | Strongly<br>agree | Somewhat<br>agree | Neither<br>agree nor<br>disagree | Somewhat<br>disagree | Strongly<br>disagree | N/A |
|---|-------------------|-------------------|----------------------------------|----------------------|----------------------|-----|
| 12. Topics in the field of computer science are important to me.  |                   |                   |                                  |                      |                      |     |
| 13. People like me make important contributions to the field of computer science.   |                   |                   |                                  |                      |                      |     |
| 14. I am interested in learning more about computer science.  |                   |                   |                                  |                      |                      |     |
| 15. I find the field of computer science interesting.   |                   |                   |                                  |                      |                      |     |
| 16. Computer science courses will help me in my future work.  |                   |                   |                                  |                      |                      |     |
| 17. Faculty in Elon's Computer Science department demonstrate respect for individual differences (like disabilities, gender, race, religion, or sexual orientation, for example). |                   |                   |                                  |                      |                      |     |
| 18. Computer science classes<br>will help me better<br>understand myself.   |                   |                   |                                  |                      |                      |     |
| 19. Computer science classes will help me gain skills that transfer to my other Elon courses.   |                   |                   |                                  |                      |                      |     |

| 20. I feel comfortable interacting with computer science majors.   |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
| 21. I feel comfortable interacting with computer science professionals.                                  |  |  |  |  |  |  |  |  |
| 22. I have the potential to succeed in a computer science class.   |  |  |  |  |  |  |  |  |
| 23. I expect to make important contributions in my computer science class or classes.                    |  |  |  |  |  |  |  |  |
| 24. I have the potential to make important contributions in the field of computer science in the future. |  |  |  |  |  |  |  |  |
| 25. I consider myself a "computer science person."   |  |  |  |  |  |  |  |  |
| 26. I have what it takes to become a computer science professional.                                      |  |  |  |  |  |  |  |  |
| 27. I tend to do better than the average student in STEM subjects.                                       |  |  |  |  |  |  |  |  |
| 28. What, if anything, makes you feel included or excluded in your computer science or STEM courses?     |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

The following questions apply to Elon's Computer Science department as a whole:

| 29.     | Do you have ideas for how we  | can make     | our compu    | ter science           | courses a  | nd departr          | nent     |
|---------|---|--------------|--------------|-----------------------|------------|---------------------|----------|
|         | spaces in which diverse group   | s can find a | a sense of b | oelonging?            |            |                     |          |
|         |   |              |              |                       |            |                     |          |
|         |   |              |              |                       |            |                     |          |
| 30      | Is there anything we are alread   | dy doing w   | rell?        |                       |            |                     |          |
| 50.     | is there anything we are arread   | ay doing w   | cii.         |                       |            |                     |          |
|         |   |              |              |                       |            |                     |          |
|         |   |              |              |                       |            |                     |          |
| 21      | What do you think we should   | add ramar    | ro on onbo   | n ao 7                |            |                     |          |
| 31.     | What do you think we should   | add, remov   | e, or enna   | nce?                  |            |                     |          |
|         |   |              |              |                       |            |                     |          |
|         |   |              |              |                       |            |                     |          |
|         |   |              |              |                       |            |                     |          |
| 32.     | Do you have any other comme   | nts on you   | r experien   | ces studyir           | ng compute | er science a        | at Elon? |
|         |   |              |              |                       |            |                     |          |
|         |   |              |              |                       |            |                     |          |
|         |   |              |              |                       |            |                     |          |
| 33.     | Do you have any other comme   | nts on or c  | questions a  | bout this r           | esearch pr | <mark>oject?</mark> |          |
|         |   |              |              |                       |            |                     |          |
|         |   |              |              |                       |            |                     |          |
|         |   |              |              |                       |            |                     |          |
|         |   |              |              |                       |            |                     |          |
| olor    | aging and Inclusion Doc   | ot Curvo     | v Ouosti     | onc                   |            |                     |          |
| eloi    | nging and Inclusion Pos   | st-surve     | y Questi     | 0115                  |            |                     |          |
| ost-Su  | urvey includes questions 1-28 of  | the Pre-Su   | rvey, and ti | he followin           | g:         |                     |          |
|         | ,   |              | <b>J</b> ,   | ,                     | 3          |                     |          |
|         | llowing questions are <b>specific</b>   |              | -            |                       | -          | our experie         | ences in |
| e cla   | ss, with other students, and wi   | th your ins  | structor du  | ring the se           | mester.    |                     |          |
| OTAT CT | crongly do you agree or disagre   | o with the   | following    | ctatomonto            | ٠.         |                     |          |
| ow st   | ifoligiy do you agree or disagre  | e with the   | ionowing :   | statements            | ).         |                     |          |
|         |   | Strongly     | Somewhat     | Neither               | Somewhat   | Strongly            | N/A      |
|         |   | agree        | agree        | agree nor<br>disagree | disagree   | disagree            |          |
| 24      | The instance of a large of the state of the |              |              |                       |            |                     |          |
| 34.     | The instructor took efforts to  |              |              |                       |            |                     |          |

| makes all students feel<br>welcome.   |  |  |  |
|---|--|--|--|
| 35. The instructor demonstrated respect for individual differences (e.g., disabilities, gender, race, religion, sexual orientation).    |  |  |  |
| 36. The instructor made adjustments to the course to address students' learning needs.  |  |  |  |
| 37. The instructor provided opportunities for all students to engage meaningfully with the curriculum and achieve their full potential. |  |  |  |
| 38. The instructor used examples relevant to people like me during this course.   |  |  |  |
| 39. If I needed help, I felt like the instructor was eager to help me.  |  |  |  |
| 40. The topics covered in my computer science course were important to me.  |  |  |  |
| 41. I felt a personal connection to the topics covered in this course.  |  |  |  |
| 42. I felt comfortable sharing my ideas and knowledge in this course.   |  |  |  |
| 43. I felt comfortable asking questions in class.   |  |  |  |

| 44. I felt like I belonged in this course.                                      |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
| 45. My contributions were valued in this course.                                |  |  |  |  |  |  |  |  |
| 46. I felt connected to other students in this course.                          |  |  |  |  |  |  |  |  |
| 47. I met with students outside of class to study.                              |  |  |  |  |  |  |  |  |
| 48. I have developed personal relationships with other students in this course. |  |  |  |  |  |  |  |  |
| 49. What, if anything, made you feel included or excluded in this class?        |  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |  |

## PRE/POST QUESTIONS FOR CSC 1100 ONLY:

|  | Strongly<br>agree | Somewhat<br>agree | Neither<br>agree nor<br>disagree | Somewhat<br>disagree | Strongly<br>disagree | N/A |
|--|-------------------|-------------------|----------------------------------|----------------------|----------------------|-----|
| I trust that data is presented to me in an unbiased way in news articles, social media, and other information outlets.     |                   |                   |                                  |                      |                      |     |
| 2. I feel confident in my ability to detect biases in data analysis that is presented to me (graphs, charts, tables, etc). |                   |                   |                                  |                      |                      |     |

Data and calculation here: SurveyTimeCalculation