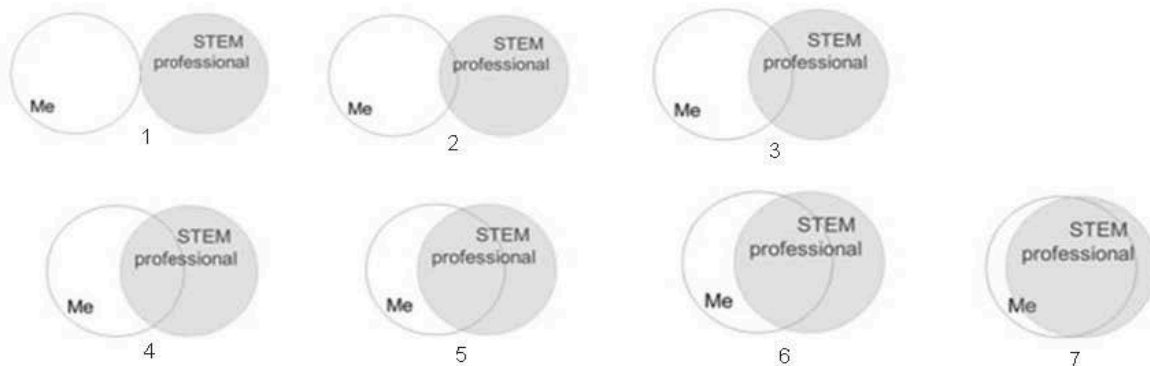


## Draft of Student Survey Questions (October 2024)

1. Gender:
  - a. Woman
  - b. Man
  - c. Transgender
  - d. Non-binary/non-conforming
  - e. Prefer not to respond
  
2. Race/Ethnicity: [Can select multiple options]
  - a. American Indian or Alaska Native (e.g., Navajo Nation, Blackfeet Tribe, Inupiat Traditional Gov't., etc.)
  - b. Asian or Asian American (e.g., Chinese, Japanese, Filipino, Korean, South Asian, Vietnamese, etc.)
  - c. Black or African American (e.g., Jamaican, Nigerian, Haitian, Ethiopian, etc.)
  - d. Hispanic or Latino/a (e.g., Puerto Rican, Mexican, Cuban, Salvadoran, Colombian, etc.)
  - e. Middle Eastern or North African (e.g., Lebanese, Iranian, Egyptian, Moroccan, Palestinian, Israeli, etc.)
  - f. Native Hawai`ian or Pacific Islander (e.g., Samoan, Guamanian, Chamorro, Tongan, etc.)
  - g. White or European (e.g., German, Irish, English, Italian, Polish, French, etc.)
  - h. My race or ethnicity is best described as: (Feel free to use the text box and/or you can simply select categories above.)
  - i. Prefer not to say
  
3. Number of semesters completed at EMCC (including Fall 2024):  
 1  2  3  4  5+
  
4. Current major or field of study:     [Open-Ended]

### STEM Professional Identity

5. Select the picture that best describes the current overlap of the image you have of yourself and your image of what a STEM professional is.



**6-10 Response options: 4 = Very often, 3 = Often, 2 = Sometimes, 1 = Never**

**STEM Exploration**

6. I have thought about what major (or certificate) I want to pursue in college
7. I have talked with a professional in a STEM career
8. I have asked someone what they think of me pursuing a particular STEM career
9. Other people expect me to pursue some type of science career (ex: healthcare, forensics, ecologist, environmentalist, computer science, meteorology, veterinarian, chemist, chemical engineer, biologist, etc.)
10. During the current school year, about how often have you done the following?
  - a. Talked about career plans with a faculty member
  - b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)
  - c. Discussed course topics, ideas, or concepts with a faculty member outside of class
  - d. Discussed your academic performance with a faculty member

**11-24 and 27-31 Response options: 1 (strongly disagree), 2 (disagree), 3 (neither agree nor disagree), 4 (agree), 5 (strongly agree)**

**STEM Commitment**

11. I view myself as a science person
12. I enjoy learning about current events that involve science
13. I am involved in an extracurricular science activity
14. I will use some form of science in my future career

**STEM and Cultural Identity**

15. I can learn about science in ways that connect to my cultural heritage.
16. My voice is heard and respected in deciding how I learn about science.
17. My success in science is judged in ways that show respect and caring for my culture.
18. The things I read or watch when I learn about science use language and examples that reflect and value my culture and personal experiences.
19. I need to turn my back on my cultural heritage if I want to be successful at learning about science.
20. My family and friends are welcomed to be involved in my science learning in ways that feel comfortable and appropriate to me.
21. I am able to be myself without being made fun of or ashamed of my cultural heritage.
22. I can learn about science in ways that help me understand how to succeed in mainstream culture.
23. I can learn about science in the language that is most comfortable for me.
24. I am able to learn about the science history and accomplishments of people from my culture.

## **STEM Center**

The following statements are about the STEM Center of Excellence at EMCC.

25. On average, how many days per week do you visit the STEM Center of Excellence?

- 0  1  2  3  4  5

26. How often do you get help from the STEM Ambassadors?

Response options: 4 = Very often, 3 = Often, 2 = Sometimes, 1 = Never

For the following questions, please indicate how much you disagree or agree with each of the following statements.

27. I feel comfortable coming to the STEM Center for help with classwork or homework.

28. I feel comfortable working on homework independently or in a group setting at the STEM Center.

29. I feel comfortable being myself in the STEM Center.

30. I would feel comfortable using a language other than English in the STEM Center.

31. The STEM Center makes me feel like I can succeed in STEM.

## **UREs and Experiential Learning**

At EMCC, students can participate in Undergraduate Research Experiences (UREs) in which they are guided by a faculty mentor through the process of conducting and presenting research. For the following questions, please indicate how much you disagree or agree with each of the following statements, even if you have not participated in undergraduate research.

32. It is important to consider the student's and the professor's race/ethnicity in mentoring relationships.

33. It is important for professors and students to discuss how race/ethnicity impacts the student's research experience.

34. My racial/ethnic identity is relevant to my research mentoring relationships.

35. Racial/ethnic differences between professors and students enrich the research mentoring relationship.

36. It is important for professors and students to discuss how gender impacts the student's research experience.

37. My gender identity is relevant to my research mentoring relationships.

38. Gender differences between professors and students enrich the research mentoring relationship.

39. How many Undergraduate Research Experiences (UREs) have you participated in?

- 0  1  2  3  4+

**Response of “0” triggers 1 additional question:**

25a. What are the reasons why you have not participated in a URE? Select all that apply.

- I did not know about this program
- I have tried to participate but was not accepted by a faculty member
- I am not interested in conducting STEM research
- I do not think I have high enough grades to participate
- I do not think I have enough time to participate
- I do not think I know enough English to participate
- Other (Please write)

**Response of 1, 2, 3, or 4+ triggers additional questions below:**

25b. Please indicate how frequently each of the following occurred in your relationship with your primary research mentor; responses could range from 1 (never) to 5 (all the time).

1. My mentor encouraged me to think about how the research related to my own lived experience.
2. My mentor created opportunities for me to bring up issues of race/ethnicity as they arose.
3. My mentor was willing to discuss race/ethnicity, even if it may have been uncomfortable for him/her.
4. My mentor raised the topic of race/ethnicity in our research mentoring relationship when it was relevant.
5. When it was relevant, my mentor approached the topic of race/ethnicity with me in a respectful manner.
6. I raised the topic of race/ethnicity in our research mentoring relationship when it was relevant.
7. My mentor created opportunities for me to bring up issues of gender as they arose.
8. My mentor was willing to discuss gender, even if it may have been uncomfortable for him/her.
9. My mentor raised the topic of gender in our research mentoring relationship when it was relevant.
10. When it was relevant, my mentor approached the topic of gender with me in a respectful manner.
11. I raised the topic of gender in our research mentoring relationship when it was relevant.

Click [here](#) if you would like to volunteer to participate in a 30-45 minute focus group interview to discuss these questions and themes in more depth. If you click, you will be directed to a separate survey to fill out your information, and the evaluation team will reach out to you to schedule.