



### Essay questions for 2022 TRIP@TU Application

1. Why do you want to participate in the TRIP Initiative? How will this experience benefit your goals for the future? *Limit your response to 250 words or less.*
2. Do you participate in extracurricular activities through your school? If you answered YES, describe up to three of your most influential activities as well as your role in each activity. Be sure to explain WHY you found each activity to be influential. *Limit your response to 250 words or less.*
3. How do you spend your time BEYOND of school? *Do not include information on school-sponsored activities like sports/theater/clubs. Do you work, volunteer your time, babysit your siblings, etc. Limit your response to 250 words or less.*
4. If you were given a free week to do with whatever you wanted (and money was no object), what would you do and why? *Limit your response to 250 words or less.*
5. A newly identified tribe of people is discovered on a remote island in the Atlantic Ocean. The group has been hostile to any attempts at contact. A new pathogen, carried by migratory birds, is sweeping through the area and killing up to 80% of those infected. We have a new vaccine that has proven to be upwards of 50% effective if given prior to exposure. Do you think society should intervene to inoculate the tribe against their wishes? Why or why not? *Limit your response to 250 words or less.*
6. Suppose you are developing a standard operating procedure to improve the sleep quality of elderly patients who are staying overnight in a hospital ward. You have received approval to perform an experiment to test sleep quality and the patients have consented to participate in the study. Design an experiment to test whether playing white noise improves the sleep quality of the patients. Explain your reasons for setting up the experiment as you did. Strive for simplicity and clarity. *Limit your response to 250 words or less.*
7. What's your favorite word and why? *Limit your response to 250 words or less.*
8. What is a scientific discovery or concept that interests you? How did learning about it change your thinking? *Limit your response to 250 words or less.*
9. Have you participated in any hands-on research programs outside of your high school (excludes Science Fair, Science Olympiad, etc)? If you answered YES, please list your mentor, their contact information, and give a brief description of the research project and how you personally contributed to the project. *Note that research experience is NOT REQUIRED to be considered for this program. If you have participated in more than one research program, please limit your response to the most relevant or recent experience. Please limit your response to 250 words.*
10. Some students have a background, identity, interest, or talent that is so meaningful they believe their application would be incomplete without it. If this sounds like you, then please share your story. *Optional; limit your response to 250 words or less.*