

Modified Student Summer Scholar Program Application Examples

A3. Student Preparation and Motivation

Example

3a. Preparation: I had Dr. [REDACTED] as a professor for BMS 290 (*human physiology*) during the Fall semester. I was interested in getting involved in research and looked into the research interests of different professors in the BMS Department. After reading published literature of multiple professors, Dr. [REDACTED]'s work sounded the most interesting to me so I spoke with [REDACTED] at the Research Fair to learn about what [REDACTED] was currently working on and if [REDACTED] had any openings in [REDACTED] lab. I reached out after the fair to speak with [REDACTED] more about becoming involved with [REDACTED] research and we discussed my future professional and academic goals. We have discussed the time commitment, expectations, and goals of this research project thoroughly. Since then, I have been reading literature to build a background that will contribute to my overall understanding. The knowledge I have gained from completing Human Anatomy, Human Physiology, General Chemistry, Organic Chemistry, and Statistics will assist me in the lab as well as analysis of our results. I am currently enrolled in Genetics, Physiology Lab, and the second semester of Organic Chemistry. All of these classes will develop my knowledge further and aid in the lab experience during the Spring/Summer semester. In BMS 290, I learned about ERK1/2 proteins and cell signaling which will serve as good foundational knowledge to build off of with this research.

3b. Motivation: I am majoring in Biomedical Sciences on a Pre-Med track as well as dual minoring in Psychology and Chemistry. After undergrad, I plan on attending Medical School to earn my M.D. and starting a surgical residency afterwards. I am unsure of what I would like to specialize in, however, the cardiovascular system has piqued my interest after taking Human Anatomy and Human Physiology. This research project would be a great opportunity to further my knowledge of heart disease and the effects of diabetes on the body. It will also give me valuable experience in the lab and in a research setting that will help give me a competitive edge whilst applying to Medical Schools. The research experience as a whole will allow me to develop skills that will assist in how I approach and tackle clinical problems in the future. Overall, this research opportunity will help mold me into a better physician in my upcoming career.

3c. Personal Information

Education: Grand Valley State University | **Frederik Meijer Honors College:** In Progress

Bachelor of Science | **Expected Graduation:** Winter 2025

Major: Biomedical Sciences - Emphasis in Pre-Medical Studies

- Overall GPA: [REDACTED]
- Major GPA: [REDACTED]

Minor: Chemistry and Psychology

- Psychology Minor GPA: [REDACTED]
- Chemistry Minor GPA: [REDACTED]

Accomplishments

- Dean's List: Fall [REDACTED], Winter [REDACTED], Fall [REDACTED]

Experiences

- **Tutor at GVSU Tutoring and Reading Center:** Fall [REDACTED] - Present
 - Tutor GVSU students in BMS 208 , CHM 109, 115, and 116
- **Head of PR and Recruitment of GVSU American Red Cross Club:** Fall [REDACTED] -Present
 - Run all Club Social Media Accounts
 - Coordinate and help run member meetings
 - Assist in planning and coordinating club volunteer events
- **Compassion in Action Volunteer at Blodgett Hospital:** Fall [REDACTED] – Present
 - Hourly rounding on patients
 - Assisting patients with non-medical needs