

GA(T) Position – one 0.5 GA(T) position

MDSC 408 – Research Design in Molecular Biology and Bioinformatics

Winter 2025 term

Bachelor of Health Sciences Program, Cumming School of Medicine

One 0.5 GA(T) position is available for MDSC 408 - Research Design in Molecular Biology and Bioinformatics

TIME: Tuesdays and Thursdays, 9:00 – 12:00

Position Requirements:

MDSC 408 is designed to give biomedical and bioinformatics students the basic conceptual framework, knowledge and skill set to work and think independently in a medical science or life science research environment. By the end of MDSC 408, students will be able to successfully utilize a number of bioinformatics tools and perform a number of molecular biology techniques, troubleshoot when problems arise and interpret results. The main goal of MDSC 408 is to enhance: 1) the student's understanding and use of scientific methodology and thought process, 2) the student's ability to understand and approach problems at the molecular level, 3) the student's ability to design experiments in a creative manner.

The minimum requirements are:

Must be a graduate student (MSc or PhD).

Is proficient in R programming language and able to troubleshoot as required.

Has a foundational understanding of sequencing techniques (RNA-sequencing, MinION) and/or

Has analyzed datasets generated using sequencing techniques (RNA-sequencing, MinION), thus, knows how to analyze the datasets using R programming.

The duties of the TAs will be as follows:

- Attend all lectures
- Supervise bioinformatics lab activities (tutorials)
- Assist with Grading exams and bioinformatics assignments
- For those TAs that are interested there is the possibility to assist with delivering lectures

To apply, please send the application form, a CV, and a cover letter describing your interests and motivation for applying to Dr. Mayi Arcellana-Panlilio (myarcell@ucalgary.ca)
Application Deadline: November 1st 2024