

# Section 11. Life Sciences Courses

Students who are unable or unwilling to follow standards may not be admitted into certain classes or may be removed if identified after classes start.

- Read and Comprehend scientific textbooks and materials, including laboratory documents
- Communicate with lab partners and professor. Be able to assimilate information, especially quantitative information, either in spoken or printed format.
- Follow the lab safety protocol, including requirements for clothing and footwear, eye protection and gloves.
- Possess sufficient mobility, dexterity and visual acuity to handle and use efficiently and safely for oneself and for others: flame burner, chemicals, live bacteria/organisms, bodily fluids, and other sensitive and potentially hazardous materials or equipment.
- Engage in active participation in conducting experiments, both individually and with lab partners.
- Gather and analyze the results of laboratory exercises. Make and formulate conclusions from the collected data using deductive and inductive reasoning.
- Draw, comprehend and interpret the graphs and tables made based on collected data.
- Exercise effective time management skills, especially during the assigned lab periods by appropriate preparation and follow up.
- Ability to follow written instructions with minimal supervision, including experimental procedures (especially experimental procedures in biological sciences). Ability to perform lab functions safely, meet deadlines, and work in a project-based environment, both individually and in collaboration with others.
- Have the physical strength and awareness to handle laboratory equipment with enough care and conduct the practical aspects of experiments efficiently.