



Priority Standards

BioMedical Engineering II – Grade 11

BioMedical Engineering Academy

Below is a table of the priority standards.

Priority Standards	Description
1.1	Organize a design process based on reflective thinking about informed design and sound inquiry methodology.
1.2	Design valid trial conditions to act upon a hypothesis with confidence.
1.3	Evaluate data to guide additional work and pivot when necessary.
2.1	Enhance professional connections and relationships in relation to specific investigations and design processes.
2.2	Practice using professional dialogue and professional communication
3.1	Implement medical sensing devices to collect streaming, real-time data.
3.2	Design basic protocols for acting on streaming data.
3.3	Collect data to evaluate the success criteria and constraints.
4.1	Design or optimize the design of a medical device
4.2	Classify materials using appropriate metrics and characteristics.
4.3	Describe how electrical signals are propagated through biological systems to produce a mechanical response
4.4	Create code using appropriate programming style, syntax and conventions.
4.5	Connect simple machine principles to limb and joint function