For Diploma in Biomedical Engineering

NYP's Diploma in Biomedical Engineering is for you if you are interested in engineering, and desire to use medical technology and healthcare to positively impact lives. This diploma equips you with the skills to design, develop and produce medical devices and instruments for the ever-evolving medical technology and healthcare industries. You will gain good grounding in the basics before choosing to specialise in biomedical device technology, quality system and regulatory compliance or biomedical design and manufacturing technology.

Ideal Applicant:

Applicants should demonstrate:

- Interest in biomedical engineering, especially in pursuing a career in medical technology and healthcare sectors;
- Experience in a school environment (e.g. through a CCA, a community activity or a class leadership position) where you learned about various technologies revolving around medical devices; and,
- Leadership, teamwork and critical thinking skills to develop innovative and creative solutions in the medical technology and healthcare sectors.

Shortlisted applicants will be assessed as follows:

1. **Interview**
   If you are shortlisted, you will be invited for an interview to share more about your passion for the course with a panel of interviewers. You will be assessed on your interest, aptitude, as well as your achievements in related domains. The duration of the individual interview will be about 20 minutes.

   Some of the questions which you may be asked during the interview include:
   - What made you realise that you wanted to have a career in biomedical engineering?
   - What motivates you to have a career in medical technology or healthcare?
   - Have you taken part in any competition/CCA that is related to engineering or healthcare?
   - Do you know what are the governing healthcare regulations for medical devices?
   - Can you share a recent news/event related to the medical technology sector?

2. **Portfolio (Optional)**
   You should include in your portfolio, any evidence and/or activities (e.g. coding or design competitions) that showcase your character and involvement relevant to biomedical engineering (such as leadership skills, coding skills, etc).

   Examples of what to include in your portfolio:
   - Testimonials
   - Certificates (e.g. academic, achievement and/or personal development)
   - Awards or participation in engineering-related competitions, at school and/or national level
   - Evidence of projects (e.g. coursework or CCA)
   - Relevant learning journeys or Applied Learning Modules (ApLM) (previously known as Advanced Elective Modules - AEM)
   - Evidence of leadership activities or roles
   - Participation in CCAs