

For Diploma in Nanotechnology and Materials Science

NYP's Diploma in Nanotechnology and Materials Science is for you if you aspire to create innovative and useful products using advanced materials. You will be equipped with competencies in cutting edge technologies in materials science. You will have many career opportunities in high-growth areas, including the healthcare, electronics, energy and chemicals, and sustainable technology sectors.

Ideal Applicant:

Applicants should demonstrate:

- Interest in science, engineering and technology, especially in pursuing a career in the science, engineering and technology sectors;
- Creativity in constructing new and useful products using advanced materials;
- An inquisitive mindset, and eagerness to acquire knowledge in using advanced materials; and,
- Teamwork and critical thinking skills to develop innovative and creative solutions in materials science and nanotechnology.

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 and understanding of the course as well as industries related to materials science. The duration of the individual interview will be about 15 to 20 minutes.

Some of the questions which you may be asked during the interview include:

- What are the reasons for choosing this course?
- Can you share what modules or aspect of this course attracted you to apply for it?
- Share your experience and participation in any activities related to science, engineering, or technology. How has it benefited you?
- Share a recent news or article in the areas of science, engineering, or technology which caught your attention.
- Share with us your career aspirations and how the course can help you fulfil them.

2. Portfolio (Optional but recommended)

You should include in your portfolio, any evidence and/or activities (e.g. engineering design challenge, CCAs, etc) that showcase your character and involvement relevant to science, engineering, and technology.

Examples of what to include in your portfolio:

- Testimonials
- Certificates (e.g. academic, achievement and/or personal development)
- Awards or participation in engineering, at school and/or national level
- Evidence of engineering projects done (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