

For Diploma in Chemical & Pharmaceutical Technology

NYP's Diploma in Chemical & Pharmaceutical Technology is for you if you aspire to build a more sustainable world and enhance lives with innovative solutions. You will discover how chemical compounds can be transformed into useful everyday products and life-saving medicines with the use of advanced technologies. This diploma equips learners with competencies in advanced chemical and pharmaceutical manufacturing technologies, so that learners can embark on exciting careers in the chemical, petroleum, petrochemical, specialty chemicals and pharmaceutical industries. Learners can go on to work in water treatment plants, clean energy companies and chemical/pharmaceutical laboratories.

Ideal Applicant:

Applicants should demonstrate:

- A good understanding of chemical processes and industry (e.g. petrochemical or pharmaceutical) and keen interest in seeking a career in this industry;
- Experience in a school environment (e.g. through a related CCA or a community activity), or in an external context (e.g., workshops or competitions attended) where they demonstrated their passion and aptitude for maths, science and/or engineering;
- Interest in hands-on activities; and,
- Analytical (e.g. likes problem-solving tasks) and collaborative skills.

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 (e.g. logical thinking and problem-solving skills), as well as your achievements. The duration of the individual interview will be about 20 minutes.

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

- How did you realise that you wanted to pursue a career in the process industry?
- Can you share what modules or aspect of this programme attracted you to apply for it?
- Have you participated in a mathematics, science and technology competition or workshop?
How was your experience?
- What motivates you about a career in the chemical or pharmaceutical manufacturing industry?

2. Portfolio (Optional)

You should include in your portfolio any evidence and/or activities (e.g. science or technology-related competitions) that showcase your character and involvement.

Examples of what to include in your portfolio:

- Testimonials
- Certificates (e.g. academic, achievement and/or personal development)
- Awards or participation in mathematics, science or technology competitions, both at school or national level
- Evidence of applied science projects, (e.g. coursework or CCA)

- Relevant learning journeys or Applied Learning Module (ApLM) (previously known as Advanced Elective Modules - AEM)
- Evidence of leadership activities or roles