

### **New NUS Bachelor of Technology programmes**

The curricula for the three part-time BTech programmes are formulated based on the current broad-based full-time Bachelor of Computing programmes, but with stronger emphasis on practice to enable students to move quickly into or continue to work in the industry.

- **BTech (Business Analytics)**

The BTech (Business Analytics) programme will prepare students for careers involving business data analytics, customer management analytics, smart city design, social media analytics, human development and data analytics consulting.

- **BTech (Cybersecurity)**

The BTech (Cybersecurity) programme will prepare students for careers as software engineers, systems administrators, malware researchers, security analysts, cybersecurity incident responder, and security consultant. They are expected to find employment in industries that deal with sensitive information, such as banking, insurance and defence industries, as well as government organisations and firms that provide security services.

- **BTech (Software Engineering)**

The BTech (Software Engineering) programme will prepare students for careers as web developers, software engineers, software architects and systems analysts. Such roles are needed in a broad spectrum of organisations with in-house software applications or in the ICT industry.

### **New Undergraduate Certificate Courses offered by SCALE**

1. **Undergraduate Certificate in Foundations in Computing**

Stackable towards BTech (Business Analytics), BTech (Cybersecurity), and BTech (Software Engineering)

2. **Undergraduate Certificate in Computing: Systems and Application Development**

Stackable towards BTech (Cybersecurity), and BTech (Software Engineering)

3. **Undergraduate Certificate in Cybersecurity**

Stackable towards BTech (Cybersecurity)

4. **Undergraduate Certificate in Software Engineering**

Stackable towards BTech (Software Engineering)

5. **Undergraduate Certificate in Business Analytics Foundations**

Stackable towards BTech (Business Analytics)

6. **Undergraduate Certificate in Digital Analytics**

Stackable towards BTech (Business Analytics)

## **7. Undergraduate Certificate in Institutional Analytics**

Stackable towards BTech (Business Analytics)

Applicants to all the above programmes — BTech degrees and Undergraduate Certificate Courses — must have a polytechnic diploma or equivalent qualifications. In addition, with the following exceptions, applicants need also have at least 2 years of full-time work experience:

- For BTech (Cybersecurity) and BTech (Software Engineering), only six months of full-time work experience is required
- For the Undergraduate Certificate in Foundations in Computing, no work experience is required