To prepare future-ready students with character, competence and cognitive agility who can adapt to an unpredictable and fast-changing world, NTU Education 2025 places strong emphasis on interdisciplinary skills along with disciplinary and domain expertise. It also offers new pathways for experiential and collaborative learning that cultivate leadership and entrepreneurship.

From the new academic year starting in August 2021, students from CoE will be offered a university-wide Interdisciplinary and Collaborative Core (ICC) curriculum that is curated to focus on key transferable skills and addressing global challenges.

**Curriculum Structure**

- **Foundational Core**
  - Engineering Communication
  - Data Science and Artificial Intelligence
  - Professional Internship

- **Common Core**
  - **Transferable Skills:**
    - Inquiry and Communication in an Interdisciplinary World
    - Navigating the Digital World
    - Ethics & Civics in a Multi-Cultural World
    - Career and Entrepreneurial Development for the Future World

  - **Global Challenges:**
    - Science & Technology for Humanity
    - Sustainability: Society, Economy & Environment
    - Healthy Living and Wellbeing

- **Broadening and Deepening Electives (~13% - 14%)**
  - Provide students with the opportunities to pursue interests outside their disciplines or deepen their skills and knowledge within their chosen disciplines.
  - Can be used for Double Major, Second Major, Minor, Work-Study programmes, MOOCs or any electives (including Major Prescribed Electives).

- **Interdisciplinary and Collaborative Core (ICC) (~23% - 25%)**

- **Core and Major Prescribed Electives (~61% - 64%)**
  - Courses required to satisfy the major and specialisation requirements.

**Co-Curricular Learning**

- Opportunities such as Leadership Development Programme and Residential Education

* Refers to the curriculum structure of single-degree Bachelor of Engineering and Bachelor of Science programmes offered by the College of Engineering.