GRADUATE STUDIES & PROFESSIONAL LEARNING
DEAN’S MESSAGE

The National Institute of Education (NIE), an institute of Nanyang Technological University, Singapore is one of the leading teacher preparation institutions in the world, and has been an integral part of Singapore’s education system since it was first established as the Teachers’ Training College in 1950. NIE has a strong reputation for evidence-informed higher degree, executive leadership and professional development programmes and courses for teachers, educators, researchers, policy makers, and other professions. These are delivered through the Office of Graduate Studies and Professional Learning (GPL) with the support of the Academic Groups that represent a range of disciplines.

Our faculty members are deeply passionate about teaching and learning. They are experts in education and many are also internationally renowned in their respective academic fields. Our aim is for our students and course participants to become thought leaders, skilful teachers, disciplinary experts and good researchers who can bring critical change in their respective professional contexts and academic fields. This aspiration is embodied in our philosophical statement of “Learning Differently, Leading Change”.

We look forward to you joining us in one or more of our programmes as you embark on the next stage of your lifelong learning journey.

Associate Professor Ang Keng Cheng
Acting-Dean, Graduate Studies & Professional Learning
WHY NIE?

Top Education Institute
As an autonomous institute of Nanyang Technological University, NIE has been consistently ranked in the world’s top 20 education institutions and top 3 in Asia based on Quacquarelli Symonds (QS) ranking by subjects.

Teaching Talents
NIE is the heart of Singapore’s teacher education and education research. We are committed to delivering quality education for educators and providing an array of higher degree and professional development programmes and courses for educators seeking further career advancement. We prepare educators from the initial teacher preparation through to the teacher professional development phase. We also provide quality graduate studies and lifelong learning to the public, partnering with them in developing new competencies.

Our faculty have over the years won numerous awards and accolades for excellence in teaching and research, as well as received prestigious fellowships and scholarships from international organisations.

In addition to our 12 Academic Groups’ academic staff who provide the disciplinary rigour and depth, NIE regularly invites distinguished professors to share their knowledge and expertise as well as to participate in collaborative projects. These professors hail from renowned universities such as Teachers College, Columbia University, Stanford University, Harvard Graduate School of Education, Boston College, University of Sydney, University of Toronto, University College London and the Hong Kong Institute of Education.

Global Partnerships
To broaden its reach in developing new competencies, NIE actively seeks strategic partnerships and collaborations with top institutes around the world. These global partnerships pave the way for research collaborations, staff and student exchanges and joint programmes for professional development and postgraduate research. These partnerships also provide the platform for NIE to keep abreast of global developments in the educational landscape and to share expertise.

NIE is also a founding member of the International Network of Educational Institutions (INEI), formerly known as International Alliance of Leading Education Institutes (IALEI). Established in 2007, the INEI is a consortium of 10 education institutes that seek to enhance the quality of education in their own countries and to provide leadership for educational development internationally. It acts as a think-tank which draws together existing expertise and research in education to generate ideas, identify trends, and serve as a collective voice on important educational issues, thus influencing policy and practice in education.
Research Excellence

Research excellence is a driving force that energises knowledge creation. Renowned for its teacher education and education research, NIE also aspires to excel as a world-class institute of higher learning. Researchers are given the chance to engage in cutting-edge researches and pedagogy courses in various areas. Some of the research centres and labs in NIE include:

- Centre for Research in Child Development (CRCD)
- Centre for Research in Pedagogy and Practice (CRPP)
- Multi-Centric Education, Research and Industry STEM Centre at NIE (meriSTEM@NIE)
- UNESCO-NIE Centre for Arts Research in Education (CARE)
- Coastal Ecology Lab (Crabs and Molluscs)
- Center for Tropical Forest Science (CTFS)
- Mediated Learning Laboratory (MLL)
- Motivation in Educational Research Laboratory (MERL)
- Plasma Sources and Applications Centre (PSAC)

Graduate Research and Academic Development (GRAD) Centre

The GRAD Centre provides support for NIE higher degree students to develop into effective writers in their specialisations. It also offers training in writing and professional presentation, skills that are transferrable to their careers. In the GRAD Centre, higher degree students can receive feedback and guidance for written assignments from our English language consultants and trained PhD student tutors. The centre strives to provide an environment in NIE where the students can receive specific ideas to improve their academic writing, professional conference presentation, and statistical analysis skills.
### Higher Degree Programmes

NIE offers a wide range of higher degree programmes that can enhance your competence and knowledge as you strive to meet the new and changing demands of your career. These programmes have specially-designed curricula and are delivered through a schedule of lectures/seminars and tutorials.

#### Masters Programmes (by Coursework and Research)

<table>
<thead>
<tr>
<th>Programme</th>
<th>Full-Time</th>
<th>Part-Time</th>
<th>Mode</th>
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</thead>
<tbody>
<tr>
<td>MA (Applied Linguistics)</td>
<td>1 - 2 years</td>
<td>2 - 4 years</td>
<td>By Coursework or By Coursework with Dissertation</td>
</tr>
<tr>
<td>MA (Applied Psychology)</td>
<td>2 - 3 years</td>
<td>2 - 4 years</td>
<td>By Coursework or By Coursework with Dissertation</td>
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<tr>
<td>MA (Counselling &amp; Guidance)</td>
<td>1.5 - 2 years</td>
<td>3 - 4 years</td>
<td>By Coursework or By Coursework with Dissertation</td>
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<tr>
<td>MA (Humanities Education)</td>
<td>1 – 3 years</td>
<td>2 - 4 years</td>
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<tr>
<td>MA (Leadership &amp; Educational Change)</td>
<td>1 year</td>
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<td>By Coursework or By Coursework with Dissertation</td>
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<tr>
<td>MA in Professional Education (Training &amp; Development)</td>
<td>1 - 2 years</td>
<td>2 - 4 years</td>
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<tr>
<td>MA (Educational Management)</td>
<td>1 – 2 years</td>
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<tr>
<td>MA (Instructional Design &amp; Technology)</td>
<td>1 – 2 years</td>
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<tr>
<td>MA (Teaching Chinese as an International Language)</td>
<td>1 - 2 years</td>
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<tr>
<td>MA (Research)</td>
<td>Up to 3 years</td>
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<tr>
<td>MEd (Art)</td>
<td>1 - 2 years</td>
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<tr>
<td>MEd (Chinese Language)</td>
<td>1 - 2 years</td>
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<td>MSc (Exercise &amp; Sport Studies)</td>
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<td>MSc (Research)</td>
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<td>MEd (Curriculum &amp; Teaching)</td>
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<td>MEd (Developmental Psychology)</td>
<td>1 - 2 years</td>
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<tr>
<td>MEd (Early Childhood)</td>
<td>1 - 2 years</td>
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<td>MEd (Educational Assessment)</td>
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<td>MEd (Learning Sciences &amp; Technologies)</td>
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<tr>
<td>MEd (Drama)</td>
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<tr>
<td>MEd (Drama)</td>
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<td>MSc (Research)</td>
<td>Up to 3 years</td>
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<td>By Research</td>
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<tr>
<td>Doctor of Philosophy (PhD)</td>
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<td>Doctor of Philosophy (PhD)</td>
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<td>Up to 7 years</td>
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<td>Doctor in Education (EdD)</td>
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<td>Up to 3 years</td>
<td>By Research</td>
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<td>Doctor in Education (EdD)</td>
<td>Up to 5 years</td>
<td>Up to 7 years</td>
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</tr>
</tbody>
</table>

#### Research

- Master of Arts (MA)
- Master of Science (MSc)

#### Coursework

- MA (Applied Linguistics)
- MA (Applied Psychology)
- MA (Counselling & Guidance)
- MA (Developmental Psychology)
- MA (Drama)
- MA (Early Childhood)
- MA (Educational Assessment)
- MA (English)
- MA (High Ability Studies)
- MA (Learning Sciences & Technologies)
- MA (Malay Language)
- MA (Mathematics)
- MA (Music)
- MA (Science)
- MA (Special Education)
- MA (Tamil Language)

#### Professional Practice

- MA (Applied Psychology)
- MA (Counselling & Guidance)
- MA (Educational Management)
- MA (Instructional Design & Technology)
- MA (Leadership & Educational Change) – Joint programme with the Teachers College, Columbia University
- MA in Professional Education (Training & Development)
- MA (Teaching Chinese as an International Language)
- MA (Malay Language)
- MA (Mathematics)
- MA (Music)
- MA (Science)
- MA (Special Education)
- MA (Tamil Language)

#### Doctoral Programmes

- Doctor of Philosophy (PhD)
- Doctor in Education (EdD)
BRIEF DESCRIPTIONS OF PROGRAMMES

a. Master of Arts (Applied Linguistics)

For Primarily for English language teaching professionals who wish to strengthen their academic qualifications for career advancement, but it is also suitable for people with a keen interest in language related issues.

Outline A broad-based course of study in the field of applied linguistics, mainly within the fields of language education and discourse studies, balancing theoretical knowledge with practical application.

b. Master of Arts (Applied Psychology)

For Psychologists, counsellors and educators who are motivated to acquire knowledge and skills in the field of psychological service.

Outline Gain theoretical knowledge, research insights and practical skills to train as specialists in the field of Educational Psychology or Counselling Psychology.

c. Master of Arts (Counselling & Guidance)

For New entrants into the fields of counselling and guidance, and professional counsellors seeking higher qualification to be a highly competent and caring counsellor.

Outline Gain skills and knowledge in various counselling core areas, appreciate diversity, understand ethical and legal issues, and learn to apply theories and techniques, thus leading to effective individual and group counselling.

d. Master of Arts (Educational Management)

For Educational leaders and professionals who wish to develop their skills and knowledge required to lead schools to new realms of educational excellence.

Outline It equips candidates with the necessary knowledge, skills and capability to lead their organisations effectively at a time of rapid change. It also provides an excellent opportunity for in-depth study of some of the key strategic and current issues in the management of education and training programmes.

e. Master of Arts (Humanities Education)

For Humanities educators and educational leaders who are interested in advancing their professional knowledge through disciplinary and interdisciplinary explorations of humanities education.

Outline Extensive range of courses focused on both classroom pedagogy and disciplinary content relevant to History, Geography and Social Studies educators and curriculum specialists.

f. Master of Arts (Instructional Design & Technology)

For Educators and professionals who wish to enhance their capacities in instructional design and technology in corporate training/industry settings, and those who wish to advance their capacities with a focus on technology-enhanced learning in formal education institutions.

Outline Specifically concerned with solving instructional problems, as well as the application, development, and management of various information technologies, including e-learning.
j. Master of Education

For Educators and university graduates with a background in education who wish to advance their knowledge and skills in education.

Outline Offering 16 areas of specialisation:

- Art
- Chinese Language
- Curriculum & Teaching
- Developmental Psychology
- Drama
- Early Childhood
- Educational Assessment
- English
- High Ability Studies
- Learning Sciences & Technologies
- Malay Language
- Mathematics
- Music
- Science
- Special Education
- Tamil Language

k. Master of Science (Exercise & Sport Studies)

For Individuals with an interest in physical education, sports, fitness, health and wellness.

Outline It provides a balanced coverage of pedagogy, psychosocial, management and scientific aspects of human movement. It also aims to enable professionals to upgrade their qualifications either for career advancement in schools or to qualify them to work in other sport science and management positions.
n. Master of Arts
o. Master of Science
p. Doctor of Philosophy (PhD)

For Those who would like to do focused research on a topic in the areas of Arts and Humanities, Education, Sciences and Physical Education.

Outline You will have to complete a fixed number of courses that can contribute to your understanding of the field and the methodology relevant to your study. Guided by a research-active supervisor, you will develop advanced skills and knowledge to address and investigate academic discipline-related or educational problems and issues.

q. Doctor in Education (EdD)

For Professionals who would like to extend their expertise and training, as well as develop skills in research, evaluation and reflection on practice.

Outline EdD has the rigour and expectations of a PhD, but with a professional focus. One of the major aims of the EdD is to develop professional leaders who are able to identify and solve complex field-based problems. Professional doctorates stress the application of research, development of professional knowledge and creation of knowledge within the profession.

l. Master of Science (Life Sciences)

For Educators, science graduates or professionals interested in life sciences, by addressing not only the knowledge base, but also the necessary experimental skills required.

Outline Without sacrificing the necessary breadth and depth of the multi-disciplinary nature of the life sciences, we offer you a highly personalised roadmap in which the most recent scientific developments are taught, and social and bioethical issues are discussed. The programme offers three areas of specialisation in:

• Chemistry
• Clean Energy Physics
• Environmental Biology

m. Master of Science (Mathematics for Educators)

For Mathematics educators and other professionals.

Outline This programme differentiates itself from others in that the acquisition of wide and in-depth knowledge in mathematics is emphasised along with its connection to mathematics teaching.
TOEFL / IELTS / GRE Requirements
International applicants whose first language is not English and graduates of universities with non-English medium of instruction are required to submit an official Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) score. These tests dates must be no more than two years before the date of application.

Applicants pursuing research programmes, except for graduates of the Autonomous Universities in Singapore, are required to submit a good Graduate Record Examination (GRE) score. In lieu of GRE, applicants from India may use the Graduate Aptitude Test in Engineering (GATE) score of at least 90%.

When to Apply
There are two intakes a year (January and August). Please note that not all programmes and specialisations are available for application for each intake.

For Coursework programmes, applications will open in April/May for admission in January in the following year and in November/December for admission in August the following year.

Research programmes have two intakes a year (January and August). Applications will open in May and October respectively for about two months before the cut-off date for submission of application for each intake in January and August.

For the EdD programme, application is open in April for admission in January the following year.

It is important for the applicant to check the NIE’s website and other relevant media regularly to confirm if the programmes will be open for application at any particular intake.

Fees
Our tuition fees are subject to revision every academic year. For more information on the current tuition fees, please visit www.nie.edu.sg/gpl/fees.

Further Queries
For more information, please visit www.nie.edu.sg/gpl/hd or e-mail us at nieadmpp@nie.edu.sg (for administrative enquiries related to admissions and applications) and higherdegrees@nie.edu.sg (for administrative matters related to programme matters such as time-table and study plans).
LEADERSHIP PROGRAMMES

Leadership learning is an integral part of the education system. The purpose of leadership learning is to develop school leaders’ capacity to meet the challenges of a complex and dynamic education system. One of our flagship programmes, Leaders in Education Programme has won admiration from educators in many parts of the world. It is a huge resource investment on the part of Singapore, as the nation’s leaders believe that high quality school leadership learning will enable its school leaders to lead schools to new levels of educational excellence.
APPLYING TO OUR LEADERSHIP PROGRAMMES

Our leadership programmes are mainly open to officers nominated by the Ministry of Education (MOE), Singapore. Non-MOE participants who wish to attend any of our leadership programmes may write in directly to us at leadership.programmes@nie.edu.sg.

Further Queries
For more information, please visit www.nie.edu.sg/gpl/ll or e-mail us at leadership.programmes@nie.edu.sg.

BRIEF DESCRIPTIONS OF PROGRAMMES

a. Leaders in Education Programme

For Specially selected vice-principals and ministry officers in Singapore to prepare them for school leadership.

Outline The programme aims to develop principalship capability that is values-based, purposeful, innovative and forward looking, anchored on strong self and people leadership, curriculum and instructional as well as strategic management skills, including an appreciation of how principals could work effectively in a complex environment.

b. Management and Leadership in Schools Programme

For Middle level leaders to hone curriculum leadership skills within and beyond their particular domains as well as to enhance their competency in leading teachers and supporting school principals in improving teaching and learning in school.

Outline The programme aims to create new knowledge in generative and collaborative learning and beyond single discipline/subject. It enhances capacity of the middle level leaders to lead teaching and learning through the creation of learning teams with the focus on continual improvement in the curriculum and to develop them to better support their principals in school reform.

c. Building Educational Bridges: Innovation for School Leaders

For Selected school leaders to engage in issues relating to the countries’ unique educational systems.

Outline The programme is jointly conducted at both NIE and various international institutions. It focuses on innovative and high performing education systems and offers experienced and successful school leaders the opportunity to explore key leadership issues in national and international contexts.
PROFESSIONAL DEVELOPMENT PROGRAMMES AND COURSES

We offer courses for professional development, some of which can be accredited into our Advanced Diploma programmes. Designed and developed in collaboration with the Ministry of Education, Singapore, these courses can be broadly categorised as follows:

- Pedagogical Skills
- Content Knowledge

Our range of Advanced Diploma and certification programmes are as follows:

- Advanced Diploma in Primary Art Education
- Advanced Diploma in Primary English Language Education
- Advanced Diploma in Primary Mathematics Education
- Advanced Diploma in Primary Music Education
- Advanced Diploma in Primary Science Education
- Advanced Diploma in Special Learning and Behavioural Needs
- Advanced Diploma in Teaching Early Primary School Years
- Advanced Diploma in Special Education
- Certificate in Differentiating Curriculum and Instruction for High Ability Learners
- Certificate in Educational Assessment
- Certificate in Educational Support
- Certificate in Foundational English Language Subject Content Knowledge for Teachers
- Certificate in Special Needs Support
- Certificate in Teaching Students with Autism in Special Education Schools
- Certificate in Teaching Students with Hearing Loss
BRIEF DESCRIPTIONS OF PROGRAMMES

a. Advanced Diploma in Primary Art Education
For Primary Art teachers.
Outline It provides teachers with a framework of knowledge and skills in art; provides perspectives on the change and development of theories and trends in art and art education for teachers to reflect, re-examine and to draw inferences about their classroom practices; and enables teachers to develop competencies in the evaluation and planning of effective art curriculum and programme in their schools.

b. Advanced Diploma in Primary English Language Education
For Primary English Language teachers.
Outline It provides teachers with a framework of knowledge and skills in teaching primary English language; provides perspectives on the change and development in the primary English language curriculum for teachers to reflect, re-examine and refine their classroom practices; and enables teachers to develop competencies in the design and practice of assessment and evaluation.

c. Advanced Diploma in Primary Mathematics Education
For Primary Mathematics teachers.
Outline It provides teachers with a framework of knowledge and skills in the teaching of primary mathematics; provides perspectives on the change and development in primary mathematics curriculum for teachers to reflect, re-examine and refine their classroom practices; and enables teachers to develop competencies in the design and practice of assessment and evaluation.

d. Advanced Diploma in Primary Music Education
For Primary Music teachers.
Outline It provides teachers with a framework of knowledge and skills in music; apprises music teachers of current thinking and practice in music and music education that will provide opportunities for teachers to reflect on and re-examine their classroom practices; and enables teachers to develop competencies in the evaluation and planning of effective music curricula and programmes in their own schools.

e. Advanced Diploma in Primary Science Education
For Primary Science teachers.
Outline It provides a framework of knowledge and skills in the teaching of primary science; provides perspectives on the change and development in primary science curriculum for teachers to reflect, re-examine and refine their classroom practices; and enables teachers to develop competencies in the design and practice of assessment and evaluation.

f. Advanced Diploma in Special Learning and Behavioural Needs
For Educators interested in special learning and behavioural needs.
Outline It provides a framework of knowledge and skills and inculcates attitudes which are important to the education of students with special needs; examines the range of factors that facilitate or hinder the learning of a student with special needs in mainstream schools; enables educators to develop competencies in assessing, planning, implementing, and evaluating programmes for students with special needs; and provides educators with basic knowledge and skills for supporting students with various types of disabilities.

g. Advanced Diploma in Teaching Early Primary School Years
For Primary school teachers with three years of experience teaching lower primary levels.
Outline Closely coordinated with various MOE initiatives, this programme seeks to develop professional competence and expertise in teaching lower primary children. It will help teachers understand how children learn and develop; create a learning environment to keep children safe and support engaging activities that promote quality learning; develop effective and age-appropriate strategies to promote children’s learning; understand goals, benefits and uses of systematic observations and varied forms of assessment to impact the development of children; understand strategies of family and community engagement to promote positive learning outcomes for children; deepen their understanding of how children’s language skills and numeracy develop in the lower primary and to develop engaging teaching and learning activities to foster these skills; and to broaden their leadership potential and expand their professional confidence and impact as teacher leaders.
h. Advanced Diploma in Special Education
For Allied Educators and teachers from Special schools who hold the one year Diploma in Special Education programme.
Outline This programme will focus on enhancing the capacities, skills and practices of the Allied Educators (Learning and Behavioural Support) and Special School Teachers using a “reflective-practitioner” and “concerns-based” approach to develop appropriate classroom-based and school-level supports for pupils with special needs in either mainstream or special schools.

i. Certificate in Differentiating Curriculum and Instruction for High Ability Learners
For Educators working with high ability learners.
Outline The programme seeks to provide teachers from independent schools as well as those working in various educational settings with further professional development opportunities to enhance their knowledge and skills in meeting the needs of learners who have been identified as high ability learners (HAL). Targeted at a wide range of educators, from those working in the early childhood sector to those in institutions of higher learning to facilitate and develop a continuum of educational support for HALs.

j. Certificate in Educational Assessment
For Educators with two years of teaching experience and are looking to enhance their assessment competencies.
Outline The programme seeks to provide participants with a strong grounding in both the theories and methods of assessment in order that they can conceptualise and review assessment practices.

k. Certificate in Educational Support
For Educators with two years of experience teaching students needing educational support.
Outline The programme aims to deepen the professional knowledge and skills of participants in relation to supporting the specific socio-emotional needs of the low progress learners, and learning needs of the low progress learners.

l. Certificate in Foundational English Language Subject Content Knowledge for Teachers
For Teachers with two years of teaching experience but no prior training in teaching English language.
Outline The programme seeks to provide participants with an understanding of key concepts and theories within the fields of English Language Studies and English Language Teaching that will equip them to implement the MOE English Language syllabus more effectively.

m. Certificate in Special Needs Support
For Teachers with existing teaching qualifications.
Outline This professional development in-service training serves to provide mainstream teachers in the primary and secondary schools with more in-depth knowledge, skills and understanding of the special needs of diverse learners and foster the development of teachers' education.

n. Certificate in Teaching Students with Autism in Special Education Schools
For Teachers teaching students with Autism.
Outline The programme will focus on enhancing the capacities, skills and practices of the teachers teaching students with Autism. It provides knowledge of autism and the developmental trajectory of individuals with autism through their lifespan. Equipping teachers with the pedagogical knowledge and skills to teach students with autism.

o. Certificate in Teaching Students with Hearing Loss
For Education interpreters and teachers teaching students with hearing loss.
Outline The programme will allow teachers to have greater knowledge of the impact of hearing loss on learning and the approaches in supporting these students in the classroom. The landscape in the education for students with hearing loss has also changed with a new initiative of including students who use sign language in the mainstream schools.

PROFESSIONAL DEVELOPMENT PATHWAY
Since April 2013 NIE has introduced new professional development pathways for individuals who wish to pursue their professional development aspirations and receive recognition for their learning experience. The pathway describes multiple options for individuals keen on professional learning opportunities at a graduate level. More information can be found at www.nie.edu.sg/pd-hd-pathway.

APPLYING TO OUR PROFESSIONAL DEVELOPMENT PROGRAMMES AND COURSES
Our formal certification programmes are mainly open to participants from the Ministry of Education (MOE), Singapore. For MOE participants, you are advised to apply via TRAISI or register directly with us (for courses with no TRAISI codes).

Our short courses are open to MOE, Singapore, and members of the public. Some of our courses enjoy subsidises given by SkillsFuture Singapore (SSG). You are advised to visit our PLaCE website regularly for updates of our programmes and courses.

Further Queries
For more information, please visit place.nie.edu.sg or e-mail us at inservice@nie.edu.sg.