AN INSTITUTE OF DISTINCTION: LEADING THE FUTURE OF EDUCATION

The National Institute of Education (NIE) is an autonomous institute of Nanyang Technological University (NTU) and Singapore’s national teacher education institute with a key role in shaping Singapore’s education. Established in July 1991 through the amalgamation of the Institute of Education and the College of Physical Education, NIE has, through the years, positioned itself as one of the leaders in teacher education in Singapore by producing high-quality graduates who form the foundation of a successful education system. NIE has been consistently ranked in the world’s top 20 education institutions and top 3 in Asia based on the Quacquarelli Symonds (QS) ranking by subjects. The NIE faculty have also won numerous awards for their work, and the research capacity and output of the NIE faculty have attracted much international attention and accolades.

OFFICE OF GRADUATE STUDIES & PROFESSIONAL LEARNING

The Office of Graduate Studies & Professional Learning (GPL) is responsible for overseeing NIE’s higher degree programmes, the professional development of teachers, the training of school leaders and the management of academic research.

With the mission of being a leader in providing academic and research opportunities which engage professionals in quality graduate studies and lifelong learning, GPL works closely with our parent university, NTU, in ensuring that the higher degree programmes meet stringent academic requirements that are aligned with top universities around the world, while leadership training and professional development courses are designed based on the needs of Singapore schools, and through evidence-based research findings from NIE.

For more information on the range of programmes and courses on offer, please visit www.nie.edu.sg/gpl.
The Master of Education programme is primarily designed for educators working in Singapore schools and the Ministry of Education. University graduates with a background in education who wish to advance their knowledge and skills in education are also welcome to apply. The programme offers the degree in 16 areas of specialisation. The programme may be completed either by:

→ coursework only, or
→ coursework with a dissertation

DURATION OF STUDY
The programme may be completed in two to four years on a part-time basis. Full-time studies are also available for some specialisations and may be completed in one to two years.

INTAKES
There are generally two intakes a year (January and August). You are advised to visit the website and look out for NIE’s announcements in May/June and November/December to confirm if the programme will be open for application at any particular intake.

APPLICATION
Applications may be made online. Hard copies of all supporting documents must be submitted within one week from the date of successful application. For more information on application details, please visit www.nie.edu.sg/gpl/appl_course.

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.

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

FURTHER QUERIES
Please visit www.nie.edu.sg/med or e-mail us at nieadmpp@nie.edu.sg.

Specific additional entry requirements (if any) are indicated under each specialisation.
# THE PROGRAMME AT A GLANCE

## SPECIALISATIONS

<table>
<thead>
<tr>
<th>Art</th>
<th>1 core course → 4 required specialisation courses → 1 open elective course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese Language</td>
<td>1 core course → 4 required specialisation courses → 1 open elective course</td>
</tr>
<tr>
<td>Curriculum &amp; Teaching</td>
<td>1 core course → 1 compulsory specialisation course → 2 required specialisation courses → 1 specialisation elective course → 1 open elective course</td>
</tr>
<tr>
<td>Developmental Psychology</td>
<td>1 core course → 2 required specialisation courses → 3 specialisation elective courses</td>
</tr>
<tr>
<td>Drama</td>
<td>1 core course → 4 required specialisation courses → 1 open elective course or specialisation elective course</td>
</tr>
<tr>
<td>Early Childhood</td>
<td>1 core course → 3 required specialisation courses → 2 specialisation elective courses</td>
</tr>
<tr>
<td>Educational Assessment</td>
<td>1 core course → 2 required specialisation courses → 3 specialisation elective courses</td>
</tr>
<tr>
<td>English</td>
<td>1 core course → 2 required specialisation courses → 2 specialisation elective courses → 1 open elective course</td>
</tr>
</tbody>
</table>

PLUS EITHER: A dissertation OR 2 additional courses* (including Integrative Project)

Integrative Project is open to candidates who pursue the degree by the coursework-only route. This course is to be taken only on completion of core and specialisation courses.

NOTE * Refer to programme structure for more information on the graduation requirement.

## SPECIALISATIONS

<table>
<thead>
<tr>
<th>High Ability Studies</th>
<th>1 core course → 4 required specialisation courses → 1 open elective course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learning Sciences &amp; Technologies</td>
<td>1 core course → 2 required specialisation courses → 2 specialisation elective courses → 1 open elective course</td>
</tr>
<tr>
<td>Malay Language</td>
<td>1 core course → 2 required specialisation courses → 2 specialisation elective courses → 1 open elective course</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1 core course → 1 required specialisation course → 4 specialisation elective courses</td>
</tr>
<tr>
<td>Music</td>
<td>1 core course → 4 required specialisation courses → 1 open elective course</td>
</tr>
<tr>
<td>Science</td>
<td>1 core course → 3 required specialisation courses → 2 open elective courses</td>
</tr>
<tr>
<td>Special Education</td>
<td>1 core course → 2 required specialisation courses → 2 specialisation elective courses → 1 open elective course</td>
</tr>
<tr>
<td>Tamil Language</td>
<td>1 core course → 4 required specialisation courses → 1 open elective course</td>
</tr>
</tbody>
</table>

PLUS EITHER: A dissertation OR 2 additional courses* (including Integrative Project)

Integrative Project is open to candidates who pursue the degree by the coursework-only route. This course is to be taken only on completion of core and specialisation courses.

NOTE * Refer to programme structure for more information on the graduation requirement.
ART
This specialisation provides a theoretical and practical base for developing visual arts curriculum and pedagogy for schools. It enables art educators to achieve advanced academic and professional development in art education by focusing on contemporary issues and developments in art and art education. It emphasises both scholarship and students’ own studio practice towards achieving the goal of enriching artistic knowledge in a multicultural setting.

STRUCTURE

CORE COURSE
Educational Inquiry

REQUIRED SPECIALISATION COURSES
Research and Issues in Art Education
Visual Arts and Creativity
Art and New Media Technology
Art Making and Aesthetic Enquiry

OPEN ELECTIVE COURSE (CHOOSE ANY 1 COURSE)
The course is to be selected from any of the courses offered in NIE’s Master’s degree programmes. The offer of electives is reviewed regularly to reflect developments in education and the respective fields. You are advised to take note of the prerequisites (if any) before registering.

PLUS EITHER:
→ A dissertation OR
→ 2 additional courses (1 open elective and Integrative Project)

CHINESE LANGUAGE
This specialisation enables you to be enriched in Chinese Language education both theoretically and practically. Covering both curricular and pedagogical issues, linguistic theories and culture, you will be able to meet the challenges present in Chinese Language education.

STRUCTURE

CORE COURSE*
Educational Inquiry

REQUIRED SPECIALISATION COURSES (CHOOSE ANY 4 COURSES)
Language Planning and Language Education
Topics on Chinese Language and Its Teaching
The Instructional Use of Children and Young Adults’ Literature in Chinese Language Teaching and Learning
Chinese Literature and Culture and Its Teaching
Character and Citizenship Education and Its Pedagogy in Singapore Primary Schools
Chinese Educational Linguistics
Chinese Language Curriculum Design and Instructional Materials Development
Teaching of Listening and Speaking of Chinese: From Theory to Practice
Teaching of Reading and Writing of Chinese: From Theory to Practice
Chinese Language Testing and Assessment
Application of Information and Communication Technologies in Teaching and Learning of Chinese Language
Chinese-English Translation and Chinese Language Teaching: From Theory to Practice

OPEN ELECTIVE COURSE (CHOOSE ANY 1 COURSE)
The course is to be selected from any of the courses offered in NIE’s Master’s degree programmes. The offer of electives is reviewed regularly to reflect developments in education and the respective fields. You are advised to take note of the prerequisites (if any) before registering.

PLUS EITHER:
→ A dissertation OR
→ 2 additional courses (1 required specialisation and Integrative Project)

* The core course is taught in English. All other Required Specialisation courses are taught in Chinese.

NOTE
Optional Specialisation Courses are offered subject to demand and availability of faculty expertise. Hence, not all specialisation courses are available for selection in every intake.
CURRICULUM & TEACHING

This specialisation aims to facilitate the growth of experienced educators who are committed to developing expertise in curriculum and teaching. Specifically, the programme provides you with the foundational know-how and theoretical underpinnings of the curriculum-making process from design and implementation to evaluation. The programme also provides an informed and critical understanding about curriculum issues in the local and international contexts; and an appreciation of your role and responsibilities as a curriculum leader.

STRUCTURE

CORE COURSE
Educational Inquiry

COMPULSORY SPECIALISATION COURSE
Curriculum: Theories and Issues

REQUIRED SPECIALISATION COURSES (CHOOSE ANY 2 COURSES)
Designing the Curriculum
Assessment in Education and Learning: Theories, Tensions and Issues
Understanding Teachers and Teaching: Theory and Practice
Theories and Perspectives of Learning

SPECIALISATION ELECTIVE COURSES (CHOOSE ANY 1 COURSE)
Curriculum Implementation: Major Concepts and Issues
Curriculum and Programme Evaluation
Differentiating Curriculum and Teaching for Diverse Learners
Globalisation and Curriculum Reform
Theory and Practice of Authentic Assessment
Assessment for Learning in Singapore: Critical Perspectives of Theory and Practice
Assessment Leadership
Student Involvement in Assessment for Empowerment and Learning
Narrative Inquiry in Curriculum, Pedagogy and Professional Development

Please visit the website for the full listing.

DEVELOPMENTAL PSYCHOLOGY

This specialisation provides education professionals, such as teachers and counsellors in primary and secondary schools, with an in-depth knowledge and understanding of cognitive, social and emotional development. Topics discussed include the cognitive, social, emotional and moral development of children and adolescents; current issues concerning youth; and basic counselling skills.

STRUCTURE

CORE COURSE
Educational Inquiry

REQUIRED SPECIALISATION COURSES
Social and Emotional Development and Assessment
Cognitive Development and Assessment

SPECIALISATION ELECTIVE COURSES (CHOOSE ANY 3 COURSES)
Counselling Children and Adolescents
Motivation, Volition and Learning-in-Action
Individual Differences and Learning
Attitude Measurement and Personality Assessment
How to Nurture Creative and Happy Learners
Evaluation of Programmes in Schools and Community Organisations
Assessment and Development of 21st Century Competencies
Theory, Research and Practice in Teaching and Learning
Understanding Learner Motivation: Theory, Research and Practice

PLUS EITHER:
⇒ A dissertation OR
⇒ 2 additional courses (1 open elective and Integrative Project)

NOTE
Optional Specialisation Courses are offered subject to demand and availability of faculty expertise. Hence, not all specialisation courses are available for selection in every intake.

NOTE
Optional Specialisation Courses are offered subject to demand and availability of faculty expertise. Hence, not all specialisation courses are available for selection in every intake.
DRAMA

This specialisation provides opportunities for advanced academic study and professional practice in theatre and drama education. It addresses theatre performance and processes, their application to educational contexts, and the multi-disciplinary approaches needed for drama learning. Both theoretical and practical issues of drama pedagogy will be examined with particular focus on contemporary issues in theatre and drama education. You will develop an insight to, and understanding of, the creative processes of theatre and drama education, including theatre making. In addition, you will acquire skills in the teaching of drama as a subject and as a vehicle for learning. The functions of theatre and drama in a range of contexts will also be explored.

STRUCTURE

CORE COURSE

Educational Inquiry

REQUIRED SPECIALISATION COURSES

Theatre Making
Drama Education, Curriculum and Assessment
The Teacher as Facili-Actor
Arts-based Research

SPECIALISATION ELECTIVE COURSES (CHOOSE ANY 1 COURSE)

Page to Stage
Theatre in the Community

OR

OPEN ELECTIVE COURSE (CHOOSE ANY 1 COURSE)

The course is to be selected from any of the courses offered in NIE’s Master’s degree programmes. The offer of electives is reviewed regularly to reflect developments in education and the respective fields. You are advised to take note of the prerequisites (if any) before registering.

PLUS EITHER:

➔ A dissertation OR
➔ 2 additional courses (1 required specialisation and Integrative Project)

NOTE

Optional Specialisation Courses are offered subject to demand and availability of faculty expertise. Hence, not all specialisation courses are available for selection in every intake.

EARLY CHILDHOOD

This specialisation provides an in-depth study of research, theories and practice in early childhood education. The focus of the programme is on critical investigation and reflection on teaching and learning processes as well as issues and challenges in early childhood education. The programme will help early childhood professionals to appreciate and understand the key areas in early childhood such as child development, curriculum, pedagogy, assessment, diversity and leadership. It aims to extend the expertise of early childhood professionals to examine and explore these areas across varied paradigms and perspectives, and develop relevant and innovative early childhood programmes.

STRUCTURE

CORE COURSE

Educational Inquiry

REQUIRED SPECIALISATION COURSES

Child Development (0-8 years)
Issues and Trends in Early Childhood Education
Research Investigations in Early Childhood Education

SPECIALISATION ELECTIVE COURSES (CHOOSE ANY 2 COURSES)

Assessment in Early Childhood Education
Curriculum Design for Infants and Toddlers
Curriculum Design and Development in Early Childhood Education
Diversity in Early Childhood Education
Early Intervention
Professionalism in Early Childhood Education
Pedagogy in Early Childhood Education

PLUS EITHER:

➔ A dissertation OR
➔ 2 additional courses (1 open elective and Integrative Project)

NOTE

Optional Specialisation Courses are offered subject to demand and availability of faculty expertise. Hence, not all specialisation courses are available for selection in every intake.
EDUCATIONAL ASSESSMENT

This specialisation provides in-depth knowledge of assessment theory and practice in education and skills development. The programme is suitable for all teachers and education professionals who are keen to take on leadership roles in the measurement and evaluation of learning and training. Graduates can look forward to serving in schools, educational institutions, assessment centres, and examination boards, providing expertise to the organisation on matters such as cognitive and affective measurement, skills assessment, and programme evaluation. No prerequisite knowledge in statistics is required as the programme will cover the basic statistical knowledge that is essential to an assessment specialist.

STRUCTURE

**CORE COURSE**
- Educational Inquiry

**REQUIRED SPECIALISATION COURSES**
- Assessment Principles and Methods
- Design of Assessment Systems

**SPECIALISATION ELECTIVE COURSES** (CHOOSE ANY 3 COURSES)
- Measurement Theories
- Attitude Measurement and Personality Assessment
- Programme Evaluation
- Cognitive Development and Assessment
- Assessment and Development of 21st Century Competencies
- Elementary Statistics
- Multivariate Statistics
- Applied Regression Analysis

PLUS EITHER:
- A dissertation OR
- 2 additional courses (1 open elective and Integrative Project)

ENGLISH

This specialisation aims to equip teachers with a repertoire of critical, aesthetic, cultural, and multimodal literacies in relation to English Education. Educators complete two required specialisation courses that examine the interdisciplinary connections between English Language and English Literature education and apply sociocultural, linguistic, and literary theories to the critical reading of texts. Additionally, the programme offers teachers the flexibility of selecting from a range of specialisation elective courses in the teaching of English Language or the teaching of English Literature or both.

STRUCTURE

**CORE COURSE**
- Educational Inquiry

**REQUIRED SPECIALISATION COURSES**
- Language and Literature Education
- Analysing Literature and Language

**SPECIALISATION ELECTIVE COURSES** (CHOOSE ANY 2 COURSES)
- English as an International Language
- Teaching Oral Communication: Current Theories and Approaches
- Language Assessment in the Classroom and Beyond
- Teaching Grammar and Writing
- Reading in a Multimodal Age
- Creative Writing in the Classroom
- Teaching Shakespeare
- World Literatures
- Literature and Film
- Young Adult Literature in the English Classroom

Please visit the website for the full listing.

**OPEN ELECTIVE COURSE** (CHOOSE ANY 1 COURSE)
The course is to be selected from any of the courses offered in NIE’s Master’s degree programmes. The offer of electives is reviewed regularly to reflect developments in education and the respective fields. You are advised to take note of the prerequisites (if any) before registering.

PLUS EITHER:
- A dissertation OR
- 2 additional courses (1 specialisation elective and Integrative Project)

**NOTE**
Optional Specialisation Courses are offered subject to demand and availability of faculty expertise. Hence, not all specialisation courses are available for selection in every intake.

**NOTE**
Optional Specialisation Courses are offered subject to demand and availability of faculty expertise. Hence, not all specialisation courses are available for selection in every intake.
HIGH ABILITY STUDIES
This specialisation creates a platform for education professionals such as teachers and educational researchers to enhance their knowledge, ideas and best practices at educating and developing the talents of high-ability learners. It focuses on curriculum, pedagogy and practice. It aims to foster the development of committed and competent professionals by broadening their knowledge and expertise. Current trends, issues and policies on providing for high-ability learners, and approaches to differentiated pedagogies — based on theory, practice and research — are featured.

STRUCTURE

CORE COURSE
Educational Inquiry

REQUIRED SPECIALISATION COURSES
Understanding Learners with High Ability and their Affective and Moral Needs
Identification of Potential and Administration of Interventions for High Ability Learners
Differentiating Curriculum and Pedagogies for Learners with High Ability
Critical and Creative Thinking for High Ability Learners

OPEN ELECTIVE COURSE (CHOOSE ANY 1 COURSE)
The course is to be selected from any of the courses offered in NIE’s Master’s degree programmes including the specialisation electives:

Issues, Policies and Trends in High Ability Studies
Using Multicultural Children’s Literature to Facilitate Social and Emotional Learning among Exceptional Learners

The offer of electives is reviewed regularly to reflect developments in education and the respective fields. You are advised to take note of the prerequisites (if any) before registering.

PLUS EITHER:
⇒ A dissertation OR
⇒ 2 additional courses (1 open elective and Integrative Project)

LEARNING SCIENCES & TECHNOLOGIES
This specialisation fosters an in-depth understanding of the learning sciences, and aims to equip you with research knowledge and the skills for conducting relevant investigations in your own fields of professional interest. It equips practising education personnel with the competencies to educate 21st century learners by broadening and deepening their knowledge of current learning theories and research trends. Research methodologies and the use of technology for learning will also be featured. In addition, opportunities to conduct small-scale studies on technology-enabled pedagogy will be provided.

STRUCTURE

CORE COURSE
Educational Inquiry

REQUIRED SPECIALISATION COURSE
Foundations of the Learning Sciences
Research Methodologies for the Learning Sciences

SPECIALISATION ELECTIVE COURSES (CHOOSE ANY 2 COURSES)
Computer Supported Collaborative Learning and Knowledge Building
Technologies as Cognitive Tools
Design of Technology-mediated Learning Environments
Design of Interactive Learning Environments
Technological and Pedagogical Considerations for ICT Integration
Blended Learning in Schools
Technology Supported Assessment
Educational Design Research
Digital Game-based Learning

OPEN ELECTIVE COURSE (CHOOSE ANY 1 COURSE)
The course is to be selected from any of the courses offered in NIE’s Master’s degree programmes. The offer of electives is reviewed regularly to reflect developments in education and the respective fields. You are advised to take note of the prerequisites (if any) before registering.

PLUS EITHER:
⇒ A dissertation OR
⇒ 2 additional courses (1 open elective and Integrative Project)

NOTE
Optional Specialisation Courses are offered subject to demand and availability of faculty expertise. Hence, not all specialisation courses are available for selection in every intake.
MALAY LANGUAGE

This specialisation provides education professionals with a functionally-integrated academic, experiment and field-based study of Malay Language Education. Research theories and methods of investigating Malay language, literature and culture in their socio-cultural contexts will be offered together with current practices and advances in Malay Language curriculum development and pedagogy for schools. The specialisation provides a theoretical grounding in the Malay language and Malay literary and cultural research, as well as the opportunity to investigate the intersection of these fields with language teaching and learning. It enhances the research skills and knowledge base of teachers and other professionals in language education.

STRUCTURE

CORE COURSE*

Educational Inquiry

REQUIRED SPECIALISATION COURSES (CHOOSE ANY 2 COURSES)

Research in Language Education
Critical and Creative Thinking to Enhance Learning
Literature Education
Features of the Malay Language in Singapore
School-based Curriculum Design for Malay Language Teaching

SPECIALISATION ELECTIVE COURSES (CHOOSE ANY 2 COURSES)

Literature Education **
Features of the Malay Language in Singapore **
School-based Curriculum Design for Malay Language Teaching **
Education in Malay and Islamic Traditions
Language, Literacy and Culture
Literary Criticism and Theories

Please visit the website for the full listing.

OPEN ELECTIVE COURSE (CHOOSE ANY 1 COURSE)
The course is to be selected from any of the courses offered in NIE’s Master’s degree programmes. The offer of electives is reviewed regularly to reflect developments in education and the respective fields. You are advised to take note of the prerequisites (if any) before registering.

PLUS EITHER:

A dissertation OR
2 additional courses (1 specialisation elective and Integrative Project)

MATHEMATICS

This specialisation provides coursework that develops a knowledge of Mathematics as a subject and its pedagogy. It aims to develop reflective practitioners of mathematics education, and prepare teachers for career development in capacities such as MOE’s Teacher and Specialist tracks. It also provides an induction into mathematics education research.

ADDITIONAL ENTRY REQUIREMENT

Field experience in Mathematics education and at least two Mathematics courses at undergraduate level.

STRUCTURE

CORE COURSE

Educational Inquiry

REQUIRED SPECIALISATION COURSE

Theoretical Perspectives and Issues in Mathematics Education Research

SPECIALISATION ELECTIVE COURSES (CHOOSE ANY 4 COURSES)

Using Technology in Mathematics Education
Assessment in Mathematics
Curriculum Studies in Mathematics
Algebra and the Teaching of Algebra
Geometry and Teaching of Geometry
Statistics and the Teaching of Statistics
Problem Solving and the Teaching of Problem Solving
Singapore Primary School Mathematics *
Numbers and the Teaching of Numbers *
Psychology of Learning Mathematics at the Primary Level *
Contemporary Issues in Mathematics Education
International Issues in Mathematics Education

PLUS EITHER:

A dissertation OR
2 additional courses (1 open elective and Integrative Project)

* The core course is taught in English. All other Required Specialisation courses are taught in Malay.

** Students who have already satisfied the requirement of taking two Required Specialisation courses may opt to take the remaining of these courses in fulfilment of their electives requirement.

NOTE

Optional Specialisation Courses are offered subject to demand and availability of faculty expertise. Hence, not all specialisation courses are available for selection in every intake.

OPTIONAL SPECIALISATION COURSES (CHOOSE ANY 2 COURSES)

Mathematics Education Research
Mathematics Education for Students with Special Educational Needs

PLUS EITHER:

A dissertation OR
2 additional courses (1 specialisation elective and Integrative Project)
### MUSIC

This specialisation provides a theoretical, research and practical base for understanding the teaching and learning of music in varied settings. It also provides an understanding of the foundations and contemporary issues in music education from musical, social, cultural and historical standpoints, including the use of technology and the inclusion of popular music. You will get to select from a list of practical musical skills for teaching in school — including solo and ensemble performance, composing, arranging, singing, choral conducting, band conducting, recorder-playing and keyboard skills — in order to promote your expertise in teaching these.

**STRUCTURE**

**CORE COURSE**
- Educational Inquiry

**REQUIRED SPECIALISATION COURSES**
- Issues in Music Education
- Philosophy in Music Education
- Popular Culture and ICT in Music Education
- Studies in Musical Behaviours

**OPEN ELECTIVE COURSE** (CHOOSE ANY 1 COURSE)
The course is to be selected from any of the courses offered in NIE’s Master’s degree programmes. The offer of electives is reviewed regularly to reflect developments in education and the respective fields. You are advised to take note of the prerequisites (if any) before registering.

PLUS EITHER:
- A dissertation OR
- 2 additional courses (1 open elective and Integrative Project)

### SCIENCE

This specialisation provides science educators with a theoretical and practical base for developing the Science curriculum, adopting innovative pedagogies in schools and acquiring basic research skills relevant to Science education. It also enhances your knowledge and understanding of various aspects of Science education, including the nature, history and philosophy of Science, teaching and learning Science, and Science curriculum development, implementation and evaluation.

**ADDITIONAL ENTRY REQUIREMENT**
- Field experience in Science education and took Science course at undergraduate level.

**STRUCTURE**

**CORE COURSE**
- Educational Inquiry

**REQUIRED SPECIALISATION COURSES** (CHOOSE ANY 3 COURSES)
- Foundations of Science and Science Education
- Science Curriculum Change and Curriculum Evaluation
- Science as Practice
- Assessment of Students’ Alternative Conceptions and Conceptual Change
- Science Discourse: Language, Literacy and Argumentation
- Representations and New Media in Science Education
- Critical Studies in Science Education
- STEM Education History, Policies, and Research Trends
- STEM Curriculum and Instruction

**OPEN ELECTIVE COURSE** (CHOOSE ANY 2 COURSES)
The course is to be selected from any of the courses offered in NIE’s Master’s degree programmes including science education specialisation courses. The offer of electives is reviewed regularly to reflect developments in education and the respective fields. You are advised to take note of the prerequisites (if any) before registering.

PLUS EITHER:
- A dissertation OR
- 2 additional courses (1 open elective and Integrative Project)

**NOTE**
Optional Specialisation Courses are offered subject to demand and availability of faculty expertise. Hence, not all specialisation courses are available for selection in every intake.
SPECIAL EDUCATION
This specialisation promotes professional competence in Special Education by providing knowledge-based theory, practice and research. It enables you to establish the nexus of educational theories and practices for developing a curriculum and pedagogy that meet your pupils’ diverse needs.

ADDITIONAL ENTRY REQUIREMENT
→ Field experience in Special Education.

STRUCTURE
CORE COURSE
Educational Inquiry
REQUIRED SPECIALISATION COURSES
Issues and Trends in Special Education
Human Development
SPECIALISATION ELECTIVE COURSES (CHOOSE ANY 2 COURSES)
Learning Disabilities
Early Intervention
Curriculum Design and Development
Intervention Research in Special Education
Assessment of Children and Youth with Special Needs
OPEN ELECTIVE COURSE (CHOOSE ANY 1 COURSE)
The course is to be selected from any of the courses offered in NIE’s Master’s degree programmes. The offer of electives is reviewed regularly to reflect developments in education and the respective fields. You are advised to take note of the prerequisites (if any) before registering.

PLUS EITHER:
→ A dissertation OR
→ 2 additional courses (1 open elective and Integrative Project)

NOTE
Optional Specialisation Courses are offered subject to demand and availability of faculty expertise. Hence, not all specialisation courses are available for selection in every intake.

TAMIL LANGUAGE
This specialisation equips Tamil Language education professionals with wide and in-depth knowledge of and perspectives on the practical as well as theoretical issues of Tamil Language education, thus enabling you to meet the challenges of an advanced stage in your career. It focuses on the needs of teachers and other professionals working in Tamil Language education. It will familiarise you with the latest issues and thinking in Tamil Language education as well as curriculum design and publication of learning materials.

STRUCTURE
CORE COURSE*
Educational Inquiry
REQUIRED SPECIALISATION COURSES
Tamil Curriculum, Materials including IT: Selection and Evaluation
Tamil Literature in Education
Tamil Language in Education
Functional Tamil Syntax
OPEN ELECTIVE COURSES (CHOOSE ANY 1 COURSE)
The course is to be selected from any of the courses offered in NIE’s Master’s degree programmes including:

An Introduction to Tamil History and Culture of Tamil
History of Singapore Tamil Education and Tamil Literature
Assessment for Tamil Language
An Introduction to Sociolinguistics and Bilingualism for Tamil

The offer of electives is reviewed regularly to reflect developments in education and the respective fields. You are advised to take note of the prerequisites (if any) before registering.

PLUS EITHER:
→ A dissertation OR
→ 2 additional courses (1 open elective and Integrative Project)

* The core course is taught in English. All other Required Specialisation courses are taught in Tamil.

NOTE
Optional Specialisation Courses are offered subject to demand and availability of faculty expertise. Hence, not all specialisation courses are available for selection in every intake.
“A Master’s degree in Curriculum and Teaching would be helpful in broadening my understanding of curriculum issues, as well as issues related to teacher professional development, both of which were relevant to my job profile.”

Wendy Choo, Master of Education (Curriculum & Teaching)

“The programme is a practical and relevant one for all teachers. This programme has enabled me to think more deeply about the factors that influence students’ learning and come up with appropriate intervention programmes to help them learn better. In addition, I have gained much knowledge and skills on the social-emotional aspect of children in order to understand and counsel them more effectively. I also am able to use the most recent research in the field of developmental psychology to try out new teaching practices with my students and to motivate them to enhance their volitional development in order to achieve their fullest potential.”

See Shen Leng, Master of Education (Developmental Psychology)

“If a child can’t learn the way we teach, maybe we should teach the way they learn.”

– Ignacio Estrada.

“The greatest takeaway at the end of this learning journey is perhaps to be given the chance to appreciate the trials and joys of learning from the perspective of a learner, to be humbly reminded again of what matters most to our students. I am thankful that I have gained deeper insights and an understanding of not just their cognitive needs but also their affective needs from this course so that I can be a more effective teacher.”

Tan Lay Lay Tracy, Master of Education (High Ability Studies)

“I like all the courses in early childhood. Besides gaining knowledge, the learning enables me to keep up to date with current research and practices as well as trends and issues in the early childhood landscape. For instance, from the Assessment course, I learnt that assessment is a mean to an end, rather than an end in itself. The process has to be purposeful and meaningful to better benefit children’s learning and enhance teachers’ pedagogical skills.”

Lynn Koh, Master of Education (Early Childhood)

“What students say about the MEd programme:
“The discussions that took place in class served to broaden my perspective as I thought hard about educational issues and ideas in relation to my reflections on teaching practice. I am able to apply the theoretical underpinnings of the various learning theories and research findings to affirm and further improve my teaching. The programme has not only developed my research capabilities but has also expanded the way I view mathematics teaching and learning.”

Yau Li Heong, Master of Education (Science)

“The programme was a valuable platform for my personal and professional development. Pursuing the MEd (Malay Language) programme allowed me to relook at issues in a more critical manner other than deepening my knowledge of Malay language, literature and culture. The research courses provided me with approaches to closely examine issues and scrutinise teaching practices. Other than strengthening my professional capacity through the mastery of the subject area, the knowledge gained will benefit students at the receiving end of the education system as it enables me to refine strategies, and thereby effectively engage the students under my charge.”

Massuniza Binte Ismail, Master of Education (Malay Language)

“NIE is one of the few academic institutions in Singapore that offers the Master’s programme in Special Education. With the knowledge that I had acquired during my Master’s programme, I feel more equipped and confident to support my staff and students. I can understand the challenges faced by my students, staff, as well as their families. I have also brought with me the good practices from my experience as a mainstream principal which will add value to the school.”

Lim Ai Lay, Master of Education (Special Education)

“I am one of the first few privileged individuals who benefited from the MEd (Tamil Language) programme which started in NIE/NTU in 2006. The courses offered in this programme assisted to enhance and deepen my knowledge in Tamil Language and in research. It also enhanced my performance and elevated me in my career. I encourage many more individuals to benefit from this one and only Master’s programme offered in Singapore for Tamil Language.”

Dr S. Suppulachemy, Master of Education (Tamil Language)

“The thought-provoking discussions on language issues that grip not only Singapore but also globally have allowed me to gain a deeper understanding and a different perspective on the evolution of language-teaching. The depth and breadth at which the areas of research and studies that I had the privilege of analysing through the different electives have presented me with a sharper lens to navigate curriculum design and assessment back in school.”

Intan Salwah Binte Badiuzzaman, Master of Education (English)