Doing PhD at MAS

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Assistant Chair (Research and Graduate Studies)
School of Physical and Mathematical Sciences

November 2011

Singapore

Nanyang Technological University (NTU)

NTU campus (200 hectare site) is designed by world renowed architect Kenzo Tange

Singapore

- Population of 5 million: 77% Chinese, 14% Malays and 7% Indians.
- Area: 700 sq km
- Literacy is about 92%, English is working language.

Singapore

Vibrant, Cosmopolitan Globa

Colleges and Schools in NTU

- **College of Engineering**

  - School of Chemical & Biomedical Engineering

  - School of Civil & Environmental Engineering

  - School of Computer Engineering

  - School of Electrical & Electronic Engineering

  - School of Materials Science & Engineering

  - School of Mechanical & Aerospace Engineering

- **College of Science**

  - **School of Biological Sciences**

  - **School of Physical & Mathematical Sciences**

- **College of Business (Nanyang Business School)**

- **College of Humanities, Arts & Social Sciences**

  - School of Art, Design & Media

  - School of Humanities & Social Sciences

  - Wee Kim Wee School of Communication & Information

Division of Mathematical Sciences

- Algebra, Coding Theory and Cryptography
- Analytic Number Theory
- Combinatorics, Mathematical Logic, Discrete Mathematics
- Probability and Statistics
- Scientific Computing
- Theoretical Computer Science

Discrete Mathematics

- Algebra
- Coding Theory and Cryptography
- Combinatorics,
- Mathematical Logic
- Finite Geometry
- Number Theory

Probability and Statistics

- Statistics
- Biostatistics
- Statistical Genetics
- Mixture Model
  - Financial Mathematics

Scientific Computing

- Computational Biology
- Algorithms, Analysis and Applications
- Finite Element Methods
- Optimization
- Bioinformatics

Theoretical Computer Science

- Computational Geometry
- Discrete Algorithms
- Computational Number Theory
- Network and Combintorial Optimization
- Algorithmic Game Theory
- Online Auction
- Computational Complexity

Course Requirements

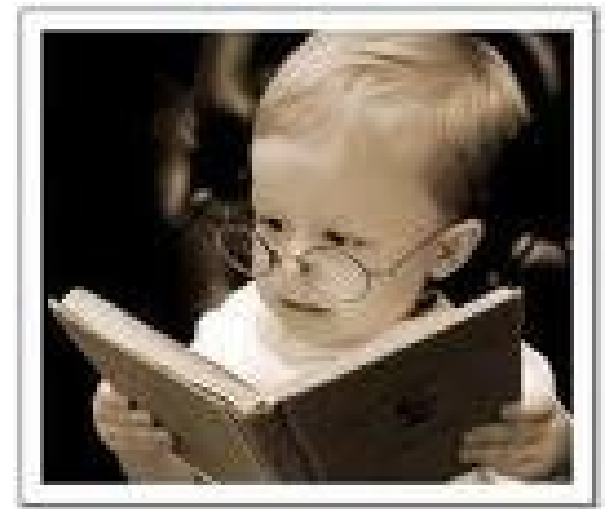(a) Completion of course requirement

    M.Sc. – 3 courses – CGPA $\geq$ 3.00

        At least 2 of the courses must be offered by the Division.

        At most 1 course is graded as Pass/Fail

    Ph.D. – 6 courses for PAP – CGPA $\geq$ 3.50

    Qualification exam before 18 months

(b) Postgraduate English:

    For students whose first language is not English

Online application

- **http://admissions.ntu.edu.sg/graduate/Research/P**

- Get the following ready: online application form, one recent photography (passport size, scanned copy), official transcripts, degree certificates (scanned copy), research proposal, resume, abstracts of publications, other supporting documents.

- **Application deadline for August 2012 intake is January 31, 2012**

Life at MAS

Thanks!

Q & A