Scholarships & Terms

NGS Scholarship (NGS)
The NGS Ph.D. Scholarship is awarded to talented students with an attitude for innovative, high-valued Ph.D. research.

- Cross-disciplinary research at the forefront of science, engineering, computing, and biomedicine
- 4-year direct Ph.D. award
- Tuition fees waived for 4 years
- Monthly stipend for
  - Singaporeans: S$3,500 (plus CPF contributions)
  - Singapore Permanent Residents: S$3,200
  - International students: S$3,000
- Annual allowance of up to S$4,000 for iTrain, books and conferences
- Opportunities for research based in Singapore, and in USA/Europe/Australia/Japan/South Korea/China/etc

Open worldwide to Bachelor degree holders (and above), with

- at least a very good 2nd Upper Honours, or equivalent qualifications
- excellent research potential, from any branches of life, physical, computer & engineering sciences, and medicine

A*STAR Graduate Scholarship (AGS)
AGS covers a 4-year Ph.D. at NGS, the Ph.D. degree will be awarded by NUS. Therefore, the AGS graduate will be eligible to apply for a 2-year post-doctoral fellowship at a top overseas university or research laboratory.

- Full tuition fees + monthly subsistence allowance for 4 years, inclusive of CPF contribution (where applicable)
- Books, computer, computer software, and thesis allowances
- Support for up to 12 months of overseas attachment

All rates/allowances are subject to adjustments by A*STAR from time to time.

Open to

- Singaporeans and other nationals intending to take up Singapore citizenship
- Graduates with
  - at least a 2nd Upper Class Honours Degree or equivalent, in relevant disciplines
  - strong interest in a research career

Application

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<th>Intakes &amp; Application Closing Dates</th>
<th>NGS Scholarship</th>
<th>A*STAR Graduate Scholarship</th>
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<td>August Intake</td>
<td>15th December</td>
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Seize the opportunity... Challenge yourself...
Achieve research excellence among the world's best...

Apply via:

ngs.nus.edu.sg/instruction_on_application_submission_to_NGS.html
NUS Graduate School for Integrative Sciences and Engineering (NGS)

... the Home of Cutting-edge, Cross-disciplinary PhD Research & Graduate Education

NGS offers generous PhD Scholarships to talented students with strong research potential. All students will have access to ample resources, a world-class infrastructure, and receive supervision from top-flight academics. And, the curriculum is tailor-made to each individual student’s needs and interests, and affords opportunities for integrative learning.

NGS is looking for students who:
» have a keen interest in integrative approaches to research,
» enjoy taking an analytical approach to problems,
» seek to deepen their knowledge in a focused research area whilst being cognisant of a wide range of topics in science and technologies,
» adhere to the very highest ethical standards in research and in interactions with fellow researchers,
» appreciate the importance of developing excellent communication skills (both verbal and written) and not be afraid to work hard to hone those skills,
» are able to work independently when needed whilst appreciating the value of teamwork and,
» will serve as role models to future generations of researchers and make an impact in their chosen fields of study and research.

Our Programmes

PhD (NGS) (ngs.nus.edu.sg/NGS_programme.html)

Joint NUS-Karolinska Institute PhD (ngs.nus.edu.sg/NUS_Karolinska_Institute_programme.html)
» specifically for students with research interests in bio-medicine and bioengineering
» especially suitable for those whose research will reap maximum benefits from the collaborative research between NUS and KI

PhD-MBA (phd-mba.nusnmi.nus.edu.sg)
» a doctoral programme for entrepreneurial scientists and engineers
» concurrent: NGS’ Ph.D. (under NGS Scholarship for 4 years) and MBA (under NUS’ School of Business)
» full waiver of tuition fees for Ph.D. and MBA

Hallmarks of students suitable for this programme include:
» a keen, open and independent mind
» an appreciation for the importance of combining science & technology with business
» start-up or industry experience, completed internships, interest / involvement in entrepreneurship and business

Cross-disciplinary Research Networked Groups

for those particularly interested to pursue these specialised fields
» Biological Imaging
» Computational & Systems Biology
» Data Science
» Environmental Life Sciences Engineering
» Global Health Research & Technology
» Interactive & Digital Media
» Neuroscience

Please refer to www.nus.edu.sg/ngs/NGS_Networked_Grps.html for details.

Research Areas

NGS encourages research in or at the intersection of any of the areas below.

Bioengineering
» Biomaterials
» Biomechanics
» Electrophysiology
» Tissue Engineering

Biological Sciences
» Biometrics
» Cell & Molecular Biology
» Cardiovascular Biology
» Developmental Biology
» Immunology
» Neurobiology
» Structural & Chemical Biology
» Stem Cell Biology
» Systems Biology

Bioprocess & Biochemical Engineering
» Biochemical Engineering
» Control & Systems Engineering
» Membrane Science & Engineering
» Nanoparticle Synthesis
» Nanoscale Science
» Polymer Science
» Process Engineering
» Surface & Interface Science

Chemical & Biomolecular Engineering
» Biochemical Engineering
» Control & Systems Engineering
» Membrane Science & Engineering
» Nanoparticle Synthesis
» Nanoscale Science
» Polymer Science
» Process Engineering
» Surface & Interface Science

Computer Science
» Computational Biology
» Data Mining
» Data Storage Technologies
» Embedded Computing Systems
» High Performance Computing

Electrical & Computer Engineering

Environmental & Water Technologies

Infocommunications
» Information Retrieval
» Multimedia Analysis & Retrieval
» Natural Language Processing
» Question-Answering
» Video Retrieval

Interactive & Digital Media
» Ambient Intelligence
» Art & Creativity
» Games Laboratory
» Mixed Reality
» Multimedia Authoring
» Multimodal Analysis
» Social & Cognitive Laboratory
» Social Robotics

Manufacturing Technology

Materials Science & Engineering
» Functional & Multifunctional Materials
» Membranes/Biomembranes
» Molecular Electronics
» Polymer Science & Engineering
» Stent & Response Materials
» Thin Films & Devices

Medical Sciences
» Cancer Research
» Drug Development
» Immunology
» Influenza/Influenza Diseases
» Molecular Endocrinology
» Molecular Epidemiology
» Molecular Genetics/Diagnostics
» Molecular Medicine
» Molecular Toxicology & Toxicology
» Nutrition & Diet & Health
» Population/Genetic Medicine
» Stem Cell Biology & Regenerative Medicine
» Ophthalmology & Visual Science

Nanoscience & Nanotechnology
» Health Impact of Nanomaterials
» Micro & Nanoelectronics
» Nano & Nanofabrication
» Nanolithography
» Nanobioengineering
» Nanovehicles Materials
» Nanoparticles & Nanomaterials
» Self-assembled Nanostructures

Physical Sciences
» Biophysics
» Complex Fluids
» Gravitational
» Vortex & Complex Systems
» Quantum Information & Technology
» Soft Condensed Matter
» Synchrotron Radiation Science

Solar Energy
» Structural & Chemical Sciences
» Catalysis & Biocatalysis
» Microscale & Nanoscale Analytical Chemistry

Visit www.nus.edu.sg/ngs/research.html for research supervisors & projects.