

Briefing for Early Admission to School of Computing

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Vice Dean, Undergraduate Programmes

Refer to the following website for module registration information:
<http://www.nus.edu.sg/registrar/event/specialterm.html>

Briefing for RNS Men 2011-2012

Undergraduate Degree Programmes

- Joint offering by Dept of Computer Science (School of Computing) and Dept of Electrical and Computer Engineering (Faculty of Engineering)
 - **CEG: B. Engineering (Honours) in Computer Engineering**
- **Computer Science Courses:**
 - Offered by Department of Computer Science
 - **CB: B. Computing (Honours) in Computational Biology**
 - **CM: B. Computing (Honours) in Communications & Media**
 - **CS: B. Computing (Honours) in Computer Science**
- **Information Systems Courses:**
 - Offered by Department of Information Systems
 - **EC: B. Computing (Honours) in E-Commerce**
 - **IS: B. Computing (Honours) in Information Systems**

Graduate Degree Programmes

- **Master of Computing (by Coursework)**
- **Doctor of Philosophy**

Calendar of Events

- **Study**
 - **Special Terms**
 - **Modules**
 - **Study Support**
- **Orientation**
 - **Computing Club and Student Areas**
 - **SoC Camp**
 - **Freshmen Orientation Week**
 - **Dean's Welcome Tea + Course Briefing**

SoC Courses offered in Special Terms

- **Term 3 (9 May – 18 Jun 2011, 6 weeks)**
 - **CS2103 Software Engineering**
 - **IT1003 Information Systems Applications**
- **Term 4 (20 Jun – 30 Jul 2011, 6 weeks)**
 - **CS3235 Introduction to Computer Security**
 - **IS1103 Computing and Society**
- **Registering for modules in special term?**
 - **Refer to:**
<http://www.nus.edu.sg/registrar/event/specialterm.html>

Modules

- **Module Information**

- **Available at Website maintained by Registrar's Office**

<http://www.nus.edu.sg/registrar/nusbuletin/faculty.html>

- **How to read module information?**

Module Code	CS	“Weight” of a module :
Module Title	IN	Workload of a module
Modular Credit	4	Must pass this module before taking CS3235
+ Workload	2-1-0-3	
Prerequisites	CS2105	
Description	<p>With the widespread use of computers and Internet as well as electronic commerce, computer security becomes more and more important. The objective of this module is to give students basic knowledge of computer security. This module covers the following topics : threats to computer systems, network security fundamentals, security in a layered protocol architecture, authentication in computer systems, access control, intrusion detection, security architecture and frameworks, lower layers security protocols, upper layer security protocols, electronic mail and EDI security, directory systems security, Unix systems security, security evaluation criteria.</p>	

Module Code	CS1231
Module Title	DISCRETE STRUCTURES
Modular Credit	4
+Workload	3-1-0-3-3
Prerequisites	A-level Mat
Preclusions	MA1100
Description	This module introduces mathematical tools required in the study of computer science. Topics include: (1) Logic and proof techniques: propositions, conditionals, quantifications. (2) Relations and Functions: Equivalence relations and partitions. Partially ordered sets. Well-Ordering Principle. Function equality. Boolean/identity/inverse functions. Bijection. (3) Mathematical formulation of data models (linear model, trees, graphs). (4) Counting and Combinatoric: Pigeonhole Principle. Inclusion-Exclusion Principle. Number of relations on a set, number of injections from one finite set to another, Diagonalisation proof: An infinite countable set has an uncountable power set; Algorithmic proof: An infinite set has a countably infinite subset. Subsets of countable sets are countable.

Must not have taken MA1100 before

Modes of Module Taking:

1. Taking with Grade

- Obtain a letter grade (A, B, C, D, F) at the end of the course
- Included in the calculation of your performance

Modes of Module Taking:

1. Taking with Grade

2. Taking the S/U Option

- Obtain either a Satisfactory (S) or an Unsatisfactory (U) record
- **Not included in the calculation of your performance**
- Maximum of 12 MCs to be counted towards your degree requirement (under normal circumstances)
- **Cannot convert back to grade**
- Cannot exercise this option on modules required for Programme/Major/Minor requirement.
- **Decision for taking up this decision must be made within three days after release of examination result.**

Other Modes of Module Taking:

1. Taking with Grade
2. Taking the S/U Option
3. Taking with CS/CU Option
 - i. E.g., Doing Internship, overseas field trips, etc.
4. Taking a module at other universities

Tuition Fees

- **Semesters 1 & 2 total fee, Academic Year 2011/2012**
 - ❑ **Singapore Citizens: \$7,170**
 - ❑ **PR: \$9,040**
- **Per module, Special Terms, AY 11/12**
 - ❑ **Singapore Citizens: \$717**
 - ❑ **PR: \$1,234**

Note that the cohort-based fee system is introduced for the new undergraduate intake of all Faculties from AY2008/09.

Application for Scholarship

- **University Scholarship:**

- **Apply online**

- <http://nus.edu.sg/oam/scholarship/instruction.htm>

- **Deadline: 1 April 2011**

- **National Infocomm Scholarship**

- <http://www.ida.gov.sg/Programmes/20060419152828.aspx?getPagetype=35>

- **Deadline: 15 March 2011**

- **Bursaries, Loans, University Scholarship**

- <http://www.comp.nus.edu.sg/qlinks/prosp-students.shtml>

Academic Advisors (AY 2011/2012)

- Dr Alan Cheng, AS6 #05-03,
 - hcheng@comp.nus.edu.sg
- A/P Tan Sun Teck, COM2 #03-02,
 - tanst@comp.nus.edu.sg
- Mr Ramchand, Anand Mohan, COM2 #02-44,
 - anand@comp.nus.edu.sg
- Simply email to: [**advisors11@comp.nus.edu.sg**](mailto:advisors11@comp.nus.edu.sg)

Academic Advisory Coordinator

Mr TAN Tuck Choy, Aaron



(COM1 #03-12)

tantc@comp.nus.edu.sg

Undergraduate Office (Level 2, COM 1)

bcomp@comp.nus.edu.sg

- **Vice-Dean:** Assoc Prof KHOO Siau Cheng
- **Personal Assistant:** Ms TEO Pei Pei
- **Assistant Dean:** Assoc Prof CHAN Chee Yong
- **Assistant Dean:** Assoc Prof LEE Wee Sun
- **Assistant Dean:** Assoc Prof LEE Mong Li, Janice
- **Associate Director:** Ms TOH Mui Kiat
- **Manager:** Ms Pamela LIM
- **Manager:** Mr LOW Mun Bak
- **Management Support Officers:**
Mrs KWEK Wong Kay,
Ms Nur Arifah Bte Mukaral
Ms Shanika Lakmali Wijesekara

Various Academic Events

- **4 July 2011**
 - **Deadline to apply for BComp (Comp Biology)**
- **14 July 2011**
 - **Qualifying English Test**
 - **Info at:** <http://www.nus.edu.sg/registrar/event/registration-get.html>
 - **Register via:**
<https://aces01.nus.edu.sg/QetRegistrationSystem/StdFormsManager?action=login&page=login>
- **19 July 2011**
 - **Computing Placement Test/Examination**
 - **More details will be given in June 2011**

Various Academic Events

- **20 July 2011**

- **MA1301 Introductory Math Proficiency Test**

- **18 to 22 July 2011**

- **Computational Biology programme interviews**

Some Names to take note of

- Helping you from Office of Admissions:
 - Ms Chia Lilian (oamcll@nus.edu.sg)
- Helping you from SoC Undergraduate Office:
 - Ms Toh Mui Kiat (comtohmk@nus.edu.sg)
- When you are lost
 - A/Prof Khoo Siau Cheng (khoosc@nus.edu.sg)

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SOC Facilities

- **Let's go for a tour**

• **Thank you.**

• **Q & A.**