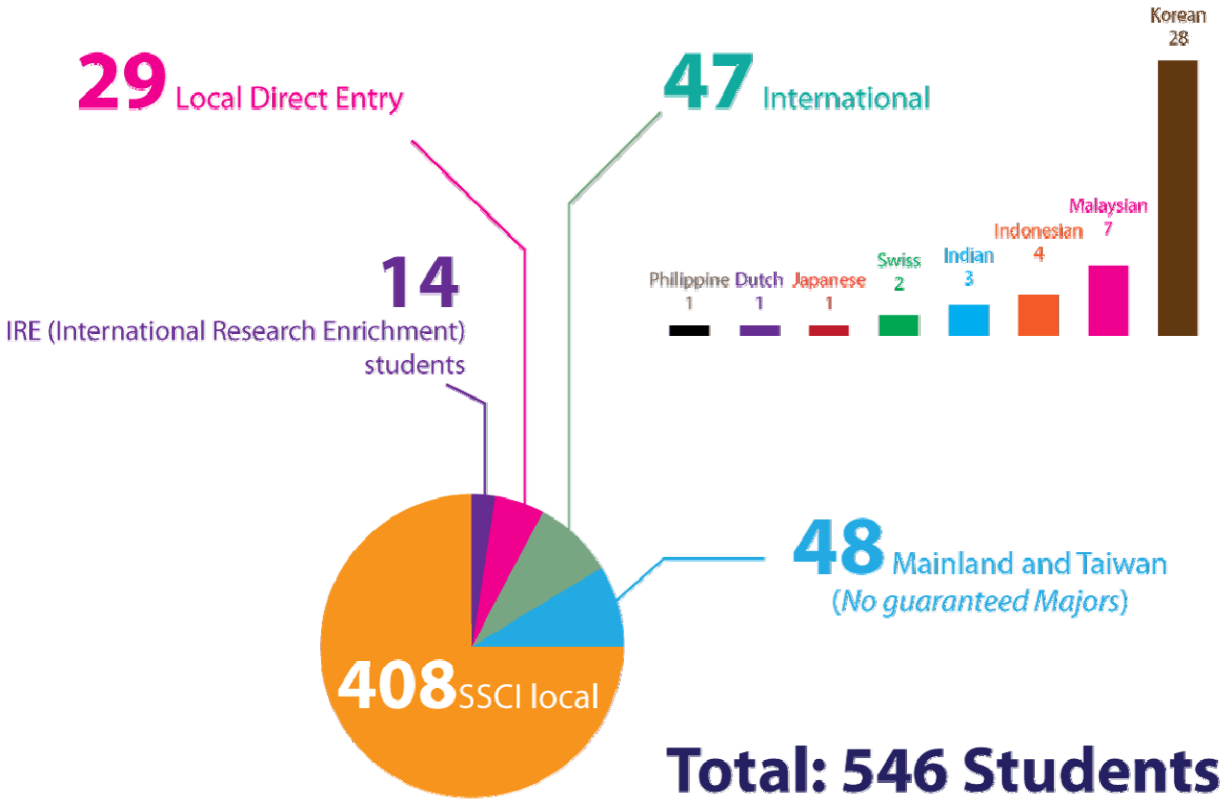
ACADEMIC ADVISING 2013-14

1. Science Student Intake 2013-14
2. What is IRE? P.12
3. Advising Timeline (P.4)
4. Introduction of SCIE 1000 P.5-7
5. SCIE Week 2 and Week 10
6. Course Pre-registration
7. Major Declaration Result 2012-13 P. 31
8. Track and Options requirement P.32

Science Students Intake 2013-14



Total: 546 Students

Information as of 23 Aug, 2013

Admission Scores (unweighted):

SSCI JUPAS students		IRE students	
Highest Score:	34	Highest Score:	38
Mean Score:	27.04	Mean Score:	35
Lowest Score:	25	Lowest Score:	32

WHAT IS IRE?

(International Research Enrichment Track)

- **Participation in forefront research under the supervision of world-class professors**
- **Exchange opportunity in a renowned foreign university**
- **Summer research internship opportunity**
- **Early research opportunity**
- **Individualized supervision from experienced HKUST faculties throughout the program**

SIX MAJORS + FREE CHOICE

1. **BSc in Physics (PHYS)**
2. **BSc in Mathematics (MATH)**
3. **BSc in Chemistry (CHEM)**
4. **BSc in Biochemistry and Cell Biology (BCB)**
5. **BSc in Biotechnology (BIOT)**
6. **BSc in Environmental Science (ENVS)**

SCHOOL REQUIREMENT FOR IRE STUDENTS

- **SCIE 1500 - 4500 Guided Study on Research I – IV (4 credits)**
- **Additional Science Electives 2000-level or above (6 credits)**
- **SCIE 3900 International Summer Research Experience (3 credits)**
- **UROP 1000 Undergraduate Research Opportunities (0 credit)**

TRANSFER TO IRE

- **ONLY applicable for students admitted in/after 2013-14**
- **Quota is very limited**
- **Excellent academic performance**
- **Separate from Major Declaration Procedure**
- **All applications will be reviewed by School's IRE committee**

Advising Timeline and Key Events 2013-14

12 Aug
Program Registration Day
1. Program Registration
2. **School Induction (Part I)**
   - Academic Advising Session
3. Health and Fitness Assessments

2 Sep
Fall Term Commences

13 Sep
SCIE 1000
Time: 6:00-6:50pm
Venue: please refer to your section on P.6

Oct - Nov
Science Majors Week
Department/Division-organized events where students can learn more about different majors

31 Aug
School Induction (Part III)
(For local and non-local students)
- Extra co-curricular activities
- MAGNET Peer Mentor Welcome Party

2013
The Faculty Advisors/Student Advising Officers are available by appointment Monday to Friday during semesters.

15 Aug
School Induction (Part II)
(For local students)
- Course Selection Induction
- Course Pre-registration Planning

8 Nov
SCIE 1000
Time: 6:00-6:50pm
Venue: please refer to your section on P.6

1 Mar -30 Apr
First-round Major Declaration Period

Major Declaration Procedure:

Fulfill major pre-requisites requirements

Submit Major Declaration Form by 30 Apr

Attend interview if needed

Results released in mid-June

- Major declared
- No offer

Major pre-requisite requirements

MATH/MAEC/ENVS
MATH 1013 & 1014 or MATH1023 & 1024 or MATH 1020
BCB/BIOT/BISC/ENVS
LIFS 1901 & 1902
CHEM
CHEM1010 or 1020 & CHEM 1030
PHYS
PHYS 1111 or 1112 or 1312 & PHYS1114 or 1314

Maximum of 2 choices

Selection criteria:
- Major pre-requisites requirements
- Academic performance at HKUST

STUDENT WITH MAJOR

1 Dec -30 Dec
Second-round Major Declaration Period

2014
The Faculty Advisors/Student Advising Officers are available by appointment Monday to Friday during semesters.

mid-Jan
Faculty Advisor Sharing Session

4 Feb
Spring Term Commences

Information as of 22 Aug 2013

SCIE 1000 SCIENCE SCHOOL INDUCTION

- **Course description:**
- **This is a one-year course designed for year 1 Science students. It provides induction activities to help students adapt to university life, and to understand the program structure of the School and the meaning of university education. Led by faculty, staff, and peers, students will learn and practice skills such as teamwork, communication, time management, and goal setting.**

- **Required Course for all 1st year Science students**
- **0 Credit (Pass/Fail)**
- **One-year course (Fall & Spring Term)**
- **18 Groups (each group led by Pre-major Faculty Advisor and 2-3 Peer Mentors)**
- **6 COMPULSORY sessions + 2 Activities per term**

Fall Term Schedule

6 compulsory sessions

1. **6 Sep:** Induction
2. **13 Sep:** Meet your Pre-major Faculty Advisor
3. **4 Oct:** Student Experience Sharing
4. **28 Oct-1 Nov:** Any one-hour Major Info Session during "Science Majors Week"
5. **8 Nov:** Meet your Pre-major Faculty Advisor
6. **11- 15Nov:** Your Spring Course Pre-registration session (About 30mins)

+ 2 selective activities (Only activities labelled as SCIE 1000 will be counted)

For example:

- Go Science Luncheon (from 26 - 30 Aug)
- Activities organized by Pre-major Faculty Advisors or Peer Mentors
- Study group
- DISC behavioral style analysis (one to one service)
- School-organized seminars and activities
- Activities organized by SAO Counseling & Development

Assessment:

Attendence and pre/post self-assessment

Absence

* In case of absence, student will have to complete a makeup journal.

WEEK 2 13 SEPT

Suggested Class Plan

18:00-18:05:	1. Take attendance. 2. Introduce yourself. For example, what university did you graduate from? How did you end up teaching in HKUST? 3. Briefly tell them what kind of advice you can give them
18:05-18:15:	Pre-assessment They need to fill out a Pre-Assessment form (see next page) and they will do a Post-assessment near the end of the term. Explain to them that you will meet them again to see their progress. Peer mentors will bring the forms to the class. Please collect and keep the completed pre-assessment forms for your future follow-up
18:15-18:40:	Ice Breaking Game: • Students introduce themselves • Divide students into 3 groups. • You and the peer mentors, each leads a group. If you have more than 2 peer mentors, one of the peer mentors will be in the same group with you. • Students take turn to tell three statements about themselves, in which only one is correct and the other groupmates have to guess which one is the correct.
18:40-18:50:	First Year Questionnaire All year 1 students are required to fill out a questionnaire regarding their background, interest and talents. The information collected is highly confidential. The School will try to match any opportunities/resources with their interests, talents and needs. Peer mentors will bring the questionnaire to the class. Please collect and return the completed questionnaires to our office for our future follow-up

Pre/Post-Assessment Form

Name: _____ ID:_____ Date: _____

Please indicate your level of agreement with the following statements:

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Academic Adjustment					
I am adjusted to the learning styles at university	☐	☐	☐	☐	☐
I have developed effective study habits	☐	☐	☐	☐	☐
I feel capable of completing my coursework.	☐	☐	☐	☐	☐
I am able to manage the time between academic and social activities effectively.	☐	☐	☐	☐	☐
I attend lecture regularly.	☐	☐	☐	☐	☐
I feel confident in choosing my major next year.	☐	☐	☐	☐	☐
Social Adjustment					
I am meeting people and making friends.	☐	☐	☐	☐	☐
I have established friendship with other students.	☐	☐	☐	☐	☐
I have participated in some student/ society activities.	☐	☐	☐	☐	☐
I feel supported by my peers and family.	☐	☐	☐	☐	☐
Personal Emotional Adjustment	☐	☐	☐	☐	☐
My appetite is not as good as it used to be.	☐	☐	☐	☐	☐
I lost interest in things and people around me.	☐	☐	☐	☐	☐
Most of the time, I struggle to focus my attention.	☐	☐	☐	☐	☐
I have difficulty falling asleep at night.	☐	☐	☐	☐	☐
Attachment	☐	☐	☐	☐	☐
I have developed clear academic goal.	☐	☐	☐	☐	☐
I enjoy the study environment at HKUST.	☐	☐	☐	☐	☐
I am aware of the university resources.	☐	☐	☐	☐	☐
I know where to seek help when I have question/problem.	☐	☐	☐	☐	☐
Overall, I am satisfied with my university life.	☐	☐	☐	☐	☐

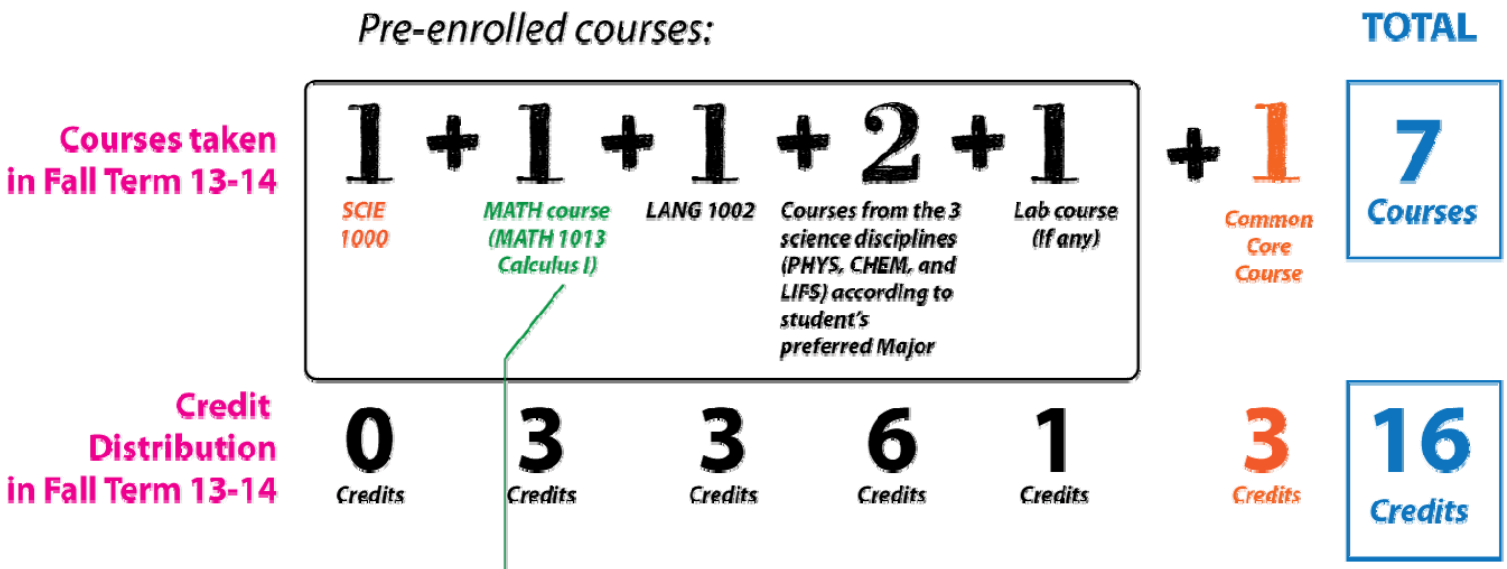
WEEK 10 8 NOV

Suggested Class Plan

18:00-18:05:	Take attendance.
18:05-18:20:	Review student's adjustment experience at HKUST Invite each student to think of two words to describe their experience at HKUS and explain why
18:20-18:30:	Post-assessment Students are required to fill out a Post-Assessment form (similar to the previous page). Please see if there are any significant changes in the pre-post assessment and meet with the individual student in another meeting if neccessary. Please make referrals to our office if deemed appropriate. Peer mentors will bring the forms to the class. Please collect and return all the completed pre- and post-assessment forms to our office for follow up
18:30-18:45:	Small Group Discussion - Divide students into 3 groups. - You and peer mentors, each leads a group - Ask them to write down the useful university resources/ personal coping methods
18:45-18:50:	Open Q&A about choosing Majors

Course Registration

During the first year 2013-14, all science students are required to take



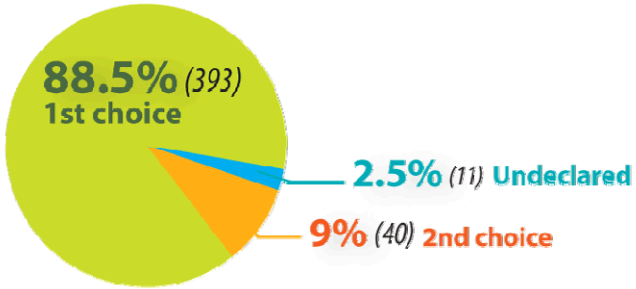
Math Courses student should take in Fall Term

All science students are pre-enrolled to **MATH1013** except that

- JEE students who would like to declare in Math can take **MATH 1023**
- DSE students who have 5 or above in M2 and would like to declare in Math can take **MATH 1023**

1st Round Major Declaration Result 2012/13:

% of Students* Entering Science Majors *(Actual no. of Students)*



**Students who chose IPO as their 1st choice and those who did not join the first round are not included here*

Total number, CGA Mean and StDev of the students getting into each science major

**** Please do not disclose the following data to the new students as program quota as well as the CGA may change from year to year. It is for your reference only.

Program	No. of students	CGA Mean	StDev
BCB	49	3.108	0.351
BISC	59	2.417	0.487
BIOT	21	2.662	0.469
CHEM	92	2.872	0.358
PHYS	57	2.92	0.554
MATH	103	2.681	0.534
MAEC	30	3.312	0.356
ENVS	47	2.66	0.342

Minimum CGA requirement and quota, if any, of options and tracks:

		CGA requirement (yes/no)	Quota (yes/no)
CHEM	Biomolecular Chemistry Option	No	No
	Environmental and Analytical Chemistry Option	No	No
	Material Chemistry Option	No	No
	Pure Chemistry Option	No	No
PHYS	Applied Physics Option	No	No
	Physics and Mathematics Option	yes	No
	Honors Physics Option	yes	no
MATH	Applied Mathematics Track	no	yes
	Computer Science Track	no	yes
	Mathematics and Physics Track	yes	yes
	Pure Mathematics (Advanced) Track	yes	yes
	Pure Mathematics Track	no	yes
	Statistics and Financial Mathematics Track	no	yes

We need not publish it, but we should advise and answer students accordingly.

CONCERN:

- **New advisees (IRE, Local Direct Entry, JUPAS, International) from SCIE 1000 + undeclared advisees**
- **Meet undeclared advisees for the second round of major declaration**

REMINDER

1. **Reserve the dates for the SCIE classes**
   - 13 Sept, 8 Nov (18-18:50)
2. **Support Time Capsule Exhibition**
3. **Come to our Free Coffee Friday which starts from 13 Sept**

THANK YOU!!!



