

From Board-based admission to Declaring your major in Life Sciences Programmes:

Overviews of the Year 1
Curriculum Design

Academic Counseling
5 August 2009



6 LSC Programmes under Broad-Based Admission

- Biochemistry
- Biology (incl. Human Biology)
- Cell & Molecular Biology
- Environmental Science
- Food & Nutritional Sciences
- Molecular Biotechnology



Advantages of Broad-Based Admission

- To allow flexibility to students upon admission
- To explore their interests before selecting a major programme
- To gain a broader foundation in Life Sciences disciplines

Learning Experience under Broad-Based Admission

- To take a set of mostly common, fundamental courses in year 1.
- To declare a major programme after 1 year of study.
- To acquire strong academic counseling from orientation to graduation.
- To prepare career life in sciences, health and related fields, as well as in further postgraduate studies.
- No quota is set for each of the life science programmes

Overviews:

From Board-based admission to Declaring your Major in LSC programmes

Admission



1st term

Declare potential major



Enrol 4 compulsory courses in first term

BCH2030 (3 Units)	BIO2120 (3 Units)	SCI2000 (1 Unit)	SCI2002 (2 Units)
----------------------	----------------------	---------------------	----------------------



2nd term

Take your preferred courses to explore different majors in second term

BCH2000 (2 Units)	BIO2210 (3 Units)	BIO2213 (1 Unit)	BIO2310 (3 Units)	BIO2313 (1 Unit)
CMB0210 (2 Units)	CMB2100 (2 Units)	ENS2270 (3 Units)	FNS2003 (2 Units)	MBT2000 (2 Units)



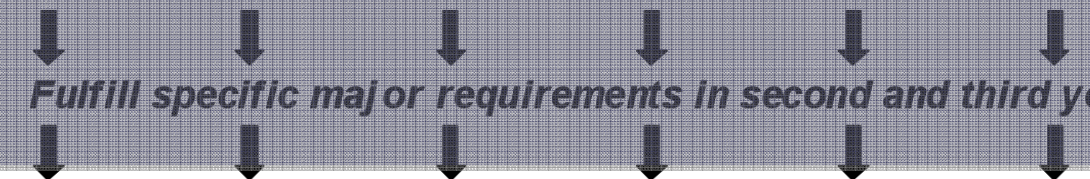
The end of 2nd term

Declare your preferred major



Year 2 and 3

BCH BIO CMB ENS FNS MBT



Graduate as Bachelor of Science with a specific major

Yr.1-1st term Curriculum: Same for all LSC students

First Term	
BCH2030	Fundamentals of Biochemistry (3)
BIO2120	Cell Biology (3)
SCI2002	Basic Laboratory Techniques in Life Sciences (2)
SCI2000	Research & Communication Skills in Life Sciences (1)

Yr.1-2nd term Curriculum: Programme specific requirements

Course code	Unit	BCH	BIO	CMB	ENS	FNS	MBT	Second Term	
BCH2000	2	✓						BCH2000	Frontiers in Biochemistry (2)
BIO2210	3		✓		✓			BIO2210	Ecology (3)
BIO2213	1		✓ ^a		✓			BIO2213	Ecology Lab (1)
BIO2310	3	✓	✓	✓		✓	✓	BIO2310	General and Molecular Genetics (3)
BIO2313	1	✓	✓ ^a			✓	✓	BIO2313	Genetics Lab (1)
CMB0210	2			✓				CMB0210	Literature Survey in CMB & Scientific Communication (2)
CMB2100	2			✓			✓	CMB2100	Biology of Model Organisms for CMB Research (2)
ENS2270	3				✓			ENS2270	Introduction to Environmental Science (3)
FNS2003	2					✓		FNS2003	Food, Nutrition and Health (2)
MBT2000	2						✓	MBT2000	Introduction to Molecular Biotechnology (2)

^a choose only ONE laboratory course from BIO2213, BIO2313 or BIO3413 (offered in year 2) for major requirement of BIO

Example of course selection:

Most likely **BCH**, maybe **CMB** or **FNS**

Course code	Unit	BCH	BIO	CMB	ENS	FNS	MBT	Second Term
BCH2000	2	✓						BCH2000 Frontiers in Biochemistry (2)
BIO2210	3		✓		✓			BIO2210 Ecology (3)
BIO2213	1		✓ ^a		✓			BIO2213 Ecology Lab (1)
BIO2310	3	✓	✓	✓		✓	✓	BIO2310 General and Molecular Genetics (3)
BIO2313	1	✓	✓ ^a			✓	✓	BIO2313 Genetics Lab (1)
CMB0210	2			✓				CMB0210 Literature Survey in CMB & Scientific Communication (2)
CMB2100	2			✓			✓	CMB2100 Biology of Model Organisms for CMB Research (2)
ENS2270	3				✓			ENS2270 Introduction to Environmental Science (3)
FNS2003	2					✓		FNS2003 Food, Nutrition and Health (2)
MBT2000	2						✓	MBT2000 Introduction to Molecular Biotechnology (2)

6 Units + **4 Units** + **2 Units** = **12 Units**