



香港中文大學
The Chinese University of Hong Kong

Biology Programme

School of Life Sciences
Science Faculty
CUHK

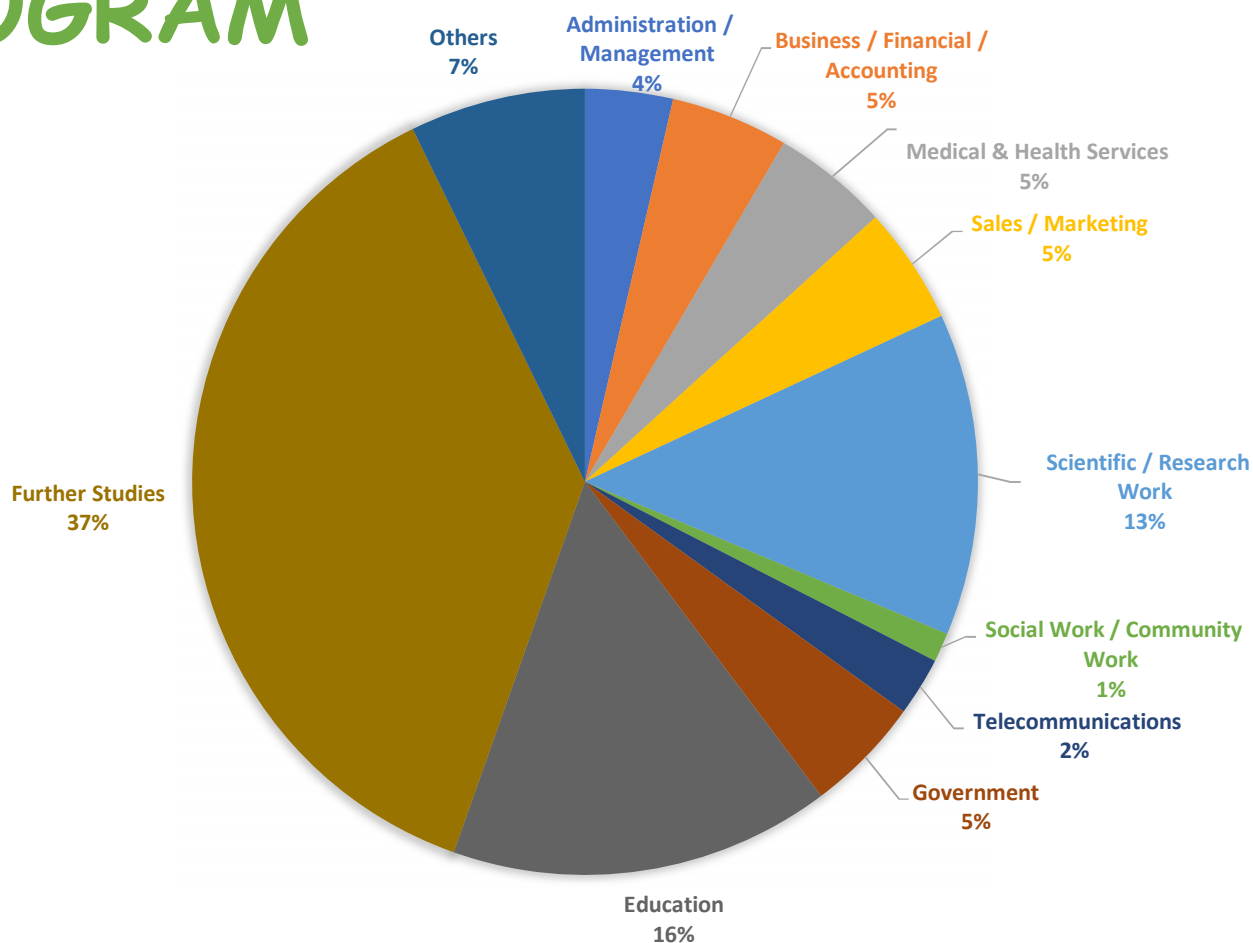


Pursuit of Excellence

BIOLOGY PROGRAM

Our Missions

1. To provide our students with the **core knowledge** in biological sciences
2. To prepare our students with great competence in understanding **biological issues** and appreciation of biological knowledge, with awareness in biological **conservation** and other environmental issues
3. To develop students' **generic skills** in scientific thinking and communication, problem solving and IT



Career Prospects of Biology Graduates (2012-18)
2

Biology@CUHK - 4 year Curriculum and Training

Broadening your Scope in Science

Biological Sciences, Chemistry & Mathematics/Physics/Statistics

Expanding your Knowledge and Understanding of the Unity of Life

Biochemistry, Cell Biology, Genetics & Ecology

Exploring the Diversity and Evolution of Life

Evolution, Vertebrates, Invertebrates, Fungi, Plants & Microorganisms

Specializing in your Area of Interest to fit your Career Plan

Selection from >30 Major Elective Lecture/ Laboratory Courses

Choose ANY 1 or more out of 3 Study Packages[^]

Biology for Teaching Career

Plant Physiology
 Animal Physiology
 (or Human Physiology for
 Nutrition Studies I & II)
 Marine Biology
 Human Biology
 Physiological Investigations
 Developmental Biology
 Environmental Pollution and Toxicology
 Molecular Biology or Genetic Engineering

Organismic Biology

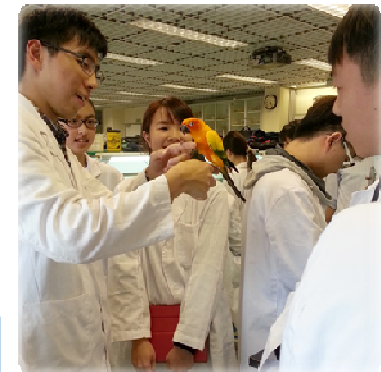
Marine Biology
 Field and Environmental Biology
 Hong Kong Flora and Vegetation
 Plant Physiology
 Animal Physiology
 Physiological Investigations
 Conservation Biology

Human Biology

Human Biology
 Human Genetics
 Developmental Biology
 Aspects of Neuroscience
 Basic and Applied Immunology
 Biochemistry for Sport and Exercise
 Cancer Cell Biology
 Stem Cell Biology
 Nutrition and Human Development
 Human Physiology for Nutrition Studies

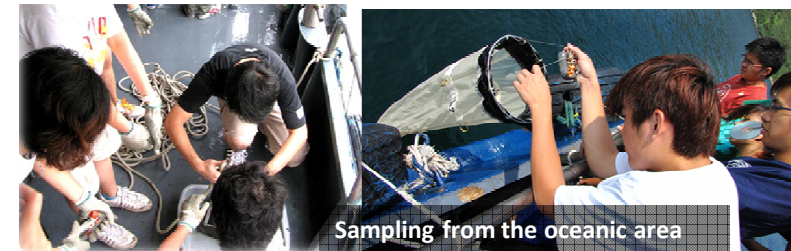
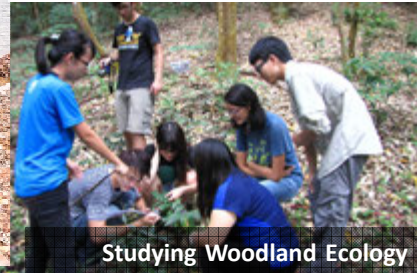
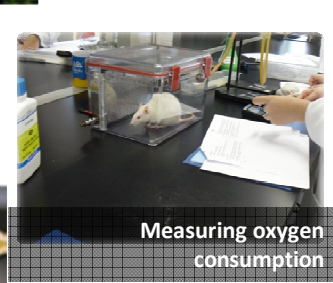
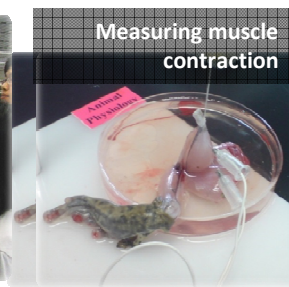
Capstone courses:

Including Experimental / Literature Research in Biology , Internship & Field Study



[^] Students can choose not to follow any of these packages and make their own combinations of courses as guided by the Programme study scheme. To complete a study package, a student must take at least 15 units from courses listed in the study package.

Biology students learn how to examine organisms and conduct field studies

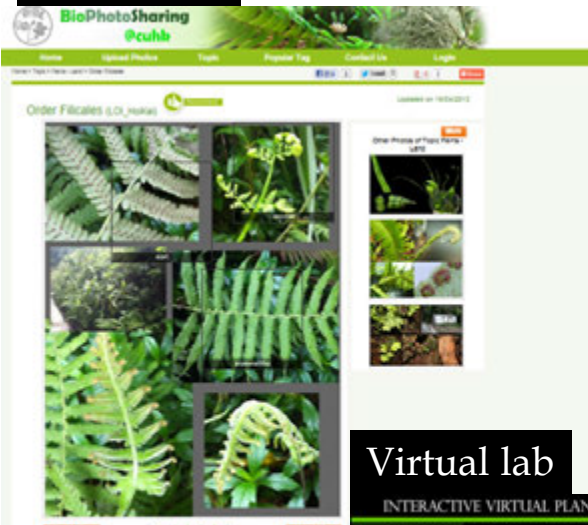


Biology students are trained to observe, examine and dissect.

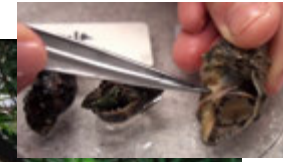
Our students fully learn how to work as a team!

Biology students learn OUTSIDE THE CLASSROOMS

Photobank



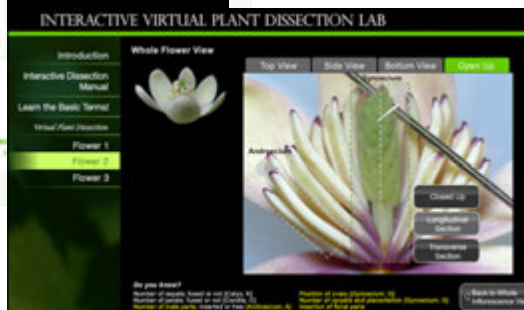
Online videos



Mobile-app for Campus Walk



Virtual lab



Game-based learning



Self-learning through Online Courseware for Biology students

Biology students learn from OVERSEAS experience



Mammalogy field trip in Canada



Learning *ikebana* in Japan



Visiting Cape of Good Hope, South Africa

Overseas Exchange 2012-18	
Host University	Host Country
The University of Adelaide	Australia
The University of New South Wales	
The University of Western Australia	
Queen's University	Canada
University of Calgary	
University of Ottawa	
University of Toronto (Sci Prog)	China
Nanjing University	Denmark
University of Copenhagen	
Aarhus University	Finland
University of Helsinki	France
Universite Catholique de Lille	Germany
Leibniz Universitat Hannover	
Freie Universitat Berlin	
International Christian University	Japan
Waseda University	
Nagoya University of Commerce & Business	
Ewha Womans University	Korea
Yonsei University	
Universidad de Monterrey	Mexico
Tilburg University	Netherlands
University of Groningen	
Stellenbosch University	South Africa
Karlstad University (Sci Prog)	Sweden
University of Bern	Switzerland
Taiwan University (Sci Prog)	Taiwan
Aston University	United Kingdom
University of Aberdeen	
University of Glasgow	
University of Illinois at Urbana-Champaign	USA
University of Massachusetts Amherst	

Internship Programmes

<i>Overseas Internship (2012-18)</i>		
Overseas host organization	Area/Country	No. of students
Biology, University of Regensburg	Germany	1
University of Regensburg	Germany	2
Wellington Bird Rehabilitation Trust	New Zealand	1
Academia Sinica	Taiwan	4
Biodiversity Research Center, Academia Sinica	Taiwan	5
Oxford Univeristy	UK	1
The University of Oklahoma	USA	1
University of California at Davis	USA	1
Sun Yat sen University (School of Life Sciences)	Zhaoqing, Zhuhai, China	3

<i>Local Internship (2012-18)</i>	
Examples of Local Internship Providers / Organisations	No. of students
Hong Kong Wetland Park	11
Eco-Education & Resources Centre	6
World Wild Fund for Nature (HK)	6
Policy for Sustainability Lab, HKU	3
Agriculture, Fisheries & Conservation Dept	3
Christ College, Teacher Internship	2
Greener Actions	2
Ho Koon Nature Education Centre	2
New Life Farm	2
Widex Technology Development Ltd	2
Kadoorie Farm and Botanic Garden	2
Conservation Earth and Animal Association, San Po Kong Animal Hospital	1
Ecosystems Ltd	1
Environmental Protection Dept	1
Fung Yuen Butterfly Reserve Environmental Association	1
Ocean Park Corporation	1
The Mushroom Initiative	1

New Internship opportunities

- 2017
 - MOU with Biodiversity Research Center, Academia Sinica (BRCAS) on collaboration in education and research
 - 4-6 students/year
- 2018
 - Teaching internships
 - 2018: 2 students to Christ College & 1 to G.T. (Ellen Yeung) College
 - 2019: 1-2 internship quota from Immaculate Heart of Mary College



**Teaching Biology as a TA
for Christ College**

Biennial programme-wide field trips

- 2016
- Singapore
- 40 participants



National University of Singapore



Singapore Botanic Gardens



Sungei Buloh Wetland Reserve



Lee Kong Chian Natural History Museum

- 2018
- Taiwan
- 16 participants



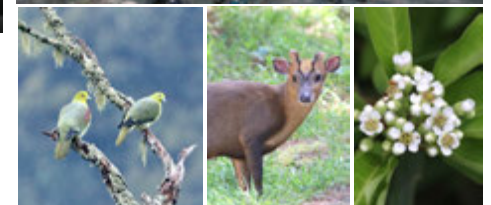
Hehuan Mountain
合歡山



Herbarium, Endemic Species
Research Institute
Conservation Education
Center 集集特有生物研究
保育中心



Lianhuachi Research Center
蓮華池研究中心



Good Teacher-Student Relationship



Biology Programme
The Chinese University of Hong Kong

Thank You!!

For more information, please visit our webpage:
<http://www.sls.cuhk.edu.hk/index.php/biol>

