

## 2.2.3 BIOLOGICAL SCIENCE STREAM

### 2.2.3.1 **Medicine / Dental Surgery / Veterinary Science** (Course Codes : Medicine - 001; Dental Surgery - 002; Veterinary Science - 003) (Proposed Intakes : Medicine - 1864; Dental Surgery - 153; Veterinary Science - 130)

#### **Minimum eligibility requirements for admission :**

At least three 'S' grades in Chemistry, Physics and Biology at the G.C.E. (Advanced Level) Examination.

#### **The course of study in Medicine is available at the following universities.**

- Faculty of Medicine - University of Colombo  
Location - Colombo
- Faculty of Medicine - University of Peradeniya  
Location - Peradeniya
- Faculty of Medicine - University of Jaffna  
Location - Jaffna
- Faculty of Medicine - University of Ruhuna  
Location - Karapitiya, Galle
- Faculty of Medicine - University of Kelaniya  
Location - Ragama
- Faculty of Medical Sciences - University of Sri Jayewardenepura  
Location - Gangodawila
- Faculty of Medicine & Allied Sciences - Rajarata University of Sri Lanka  
Location - Saliyapura, Anuradhapura
- Faculty of Health - Care Sciences - Eastern University, Sri Lanka  
Location - Batticaloa
- Faculty of Medicine - Wayamba University of Sri Lanka  
Location - Kuliyapitiya
- Faculty of Medicine - Sabaragamuwa University of Sri Lanka  
Location - Ratnapura
- Faculty of Medicine - University of Moratuwa  
Location - Kalutara

Duration: 05 Years

#### **The course of study in Dental Surgery is available at the following universities.**

- Faculty of Dental Sciences - University of Peradeniya  
Location - Peradeniya
- Faculty of Dental Sciences - University of Sri Jayewardenepura  
Location - Gangodawila

Duration: 05 Years

**The course of study in Veterinary Science is available at the following university.**

- Faculty of Veterinary Medicine and Animal Science - University of Peradeniya  
Location - Peradeniya

Duration: 05 Years

**2.2.3.2 Agricultural Technology & Management  
(Course Code - 039)  
(Proposed Intake – 221)**

**Minimum eligibility requirements for admission :**

At least three ‘S’ grades for one of the following combinations of subjects at G.C.E. (Advanced Level) Examination.

- Chemistry; Physics; and Biology
- Chemistry; Physics or Mathematics; Biology or Agricultural Science
- Chemistry; Biology; Agricultural Science or Mathematics

- Degree Programme : B.Sc. in Agricultural Technology & Management
- Available University : University of Peradeniya
- Duration : 04 years

**2.2.3.3 Agriculture  
(Course Code - 004)  
(Proposed Intake – 889)**

**Minimum eligibility requirements for admission :**

At least three ‘S’ grades for one of the following combinations of subjects at G.C.E. (Advanced Level) Examination.

- Chemistry; Physics; and Biology
- Chemistry; Physics or Mathematics; Biology or Agricultural Science
- Chemistry; Biology; Agricultural Science or Mathematics

- Degree Programmes & Available Universities : Bachelor of Science in Agriculture  
Sabaragamuwa University of Sri Lanka  
  
Bachelor of Science Honours in Agriculture  
Eastern University, Sri Lanka  
University of Jaffna  
Rajarata University of Sri Lanka  
Wayamba University of Sri Lanka
- Duration : 04 years

**2.2.3.4 Food Science & Nutrition**  
**(Course Code - 005)**  
**(Proposed Intake – 164)**

**Minimum eligibility requirements for admission :**

At least three ‘S’ grades for one of the following combinations of subjects at G.C.E. (Advanced Level) Examination.

- (i) Chemistry; Physics; and Biology
- (ii) Chemistry; Physics or Mathematics; Biology or Agricultural Science
- (iii) Chemistry; Biology; Agricultural Science or Mathematics

- Degree Programme : Bachelor of Science Honours in Food Science & Nutrition [BScHons (Food Sc & Nutr)]
- Available University : Wayamba University of Sri Lanka
- Duration : 04 years
- Fields of Specialization : Food Science & Technology  
Applied Nutrition

**2.2.3.5 Food Science & Technology**  
**(Course Code - 035)**  
**(Proposed Intake - 218)**

**Minimum eligibility requirements for admission :**

At least three ‘S’ grades in Chemistry, Physics and Biology at the G.C.E.(Advanced Level) Examination.

- Degree Programmes & Available Universities : B.Sc. Honours in Food Science & Technology  
University of Peradeniya  
Sabaragamuwa University of Sri Lanka  
  
B.Sc. Honours in Food Science & Technology  
[BScHons (FST)]  
University of Sri Jayewardenepura
- Duration : 04 years

**2.2.3.6 Ayurvedic Medicine and Surgery**  
**(Course Code - 032)**  
**(Proposed Intake- 383)**

**Minimum eligibility requirements for admission :**

At least three ‘S’ grades in Chemistry, Physics and Biology at the G.C.E.(Advanced Level) Examination.

- Degree Programme : Bachelor of Ayurvedic Medicine and Surgery (B.A.M.S)
- Available Universities : Institute of Indigenous Medicine, University of Colombo  
The Gampaha Wickramarachchi University of Indigenous Medicine, Sri Lanka

- Duration : 06 years [05 academic years and 01-year (final) internship]
- Medium of Instructions : English

**2.2.3.7 Unani Medicine and Surgery  
(Course Code - 033)  
(Proposed Intake - 89)**

**Minimum eligibility requirements for admission :**

At least three 'S' grades in Chemistry, Physics and Biology at the G.C.E. (Advanced Level) Examination.

- Degree Programme : Bachelor of Unani Medicine and Surgery (B.U.M.S.)
- Available University : Institute of Indigenous Medicine, University of Colombo
- Duration : 06 years [05 academic years and 01-year (final) internship]
- Medium of Instructions : English

**2.2.3.8 Siddha Medicine and Surgery  
(Course Code - 036)  
(Proposed Intake - 247)**

**Minimum eligibility requirements for admission :**

At least three 'S' grades in Chemistry, Physics and Biology at the G.C.E. (Advanced Level) Examination

- Degree Programme : Bachelor of Siddha Medicine and Surgery (B.S.M.S.)
- Available Universities : University of Jaffna  
Trincomalee Campus of the Eastern University, Sri Lanka
- Duration : 06 years [05 academic years and 01-year (final) internship]
- Medium of Instructions : University of Jaffna - Tamil  
Trincomalee Campus of the Eastern University,  
Sri Lanka - English

**2.2.3.9 Biological Science  
(Course Code - 006)  
(Proposed Intake - 1686)**

**Minimum eligibility requirements for admission :**

At least 'S' grades in Biology, Chemistry and the third subject from the following subjects at the G.C.E.(Advanced Level) Examination;

- Agricultural Science
- Higher Mathematics
- Mathematics
- Combined Mathematics
- Physics

- Degree Programme : B.Sc. in Biological Science
- Available Universities : University of Colombo  
University of Peradeniya  
University of Sri Jayewardenepura  
University of Kelaniya  
University of Jaffna  
University of Ruhuna  
Eastern University, Sri Lanka  
South Eastern University of Sri Lanka

**2.2.3.10 Applied Sciences (Biological Science)**  
**(Course Code - 007)**  
**(Proposed Intake - 410)**

**Minimum eligibility requirements for admission :**

At least ‘S’ grades in Biology, Chemistry and the third subject from the following subjects at the G.C.E. (Advanced Level) Examination;

- Agricultural Science
- Higher Mathematics
- Mathematics
- Combined Mathematics
- Physics

Names of the Universities and the degree programmes offered by them are given below:

**Sabaragamuwa University of Sri Lanka**

- B.Sc. (Applied Sciences) General Degree in Environmental Sciences and Natural Resources Management  
Duration: 03 years
- B.Sc. (Applied Sciences) Honours Degree in Environmental Sciences and Natural Resources Management  
Duration: 04 years

**Rajarata University of Sri Lanka**

- B.Sc. in Applied Sciences  
Duration: 03 years
- B.Sc. Honours in Applied Sciences  
Duration: 04 years
- B.Sc. (Joint Major) Degree in Applied Sciences  
Duration: 04 years
- B.Sc. (Honours) Degree in Applied Biology  
Duration: 04 years

### **University of Jaffna (Vavuniya Campus)**

- B.Sc. (Environmental Science)  
Duration - 03 years
- B.Sc. in Environmental Science (Honours)  
Duration - 04 years

#### **2.2.3.11 Health Promotion (Course Code - 050) (Proposed Intake - 103)**

##### **Minimum eligibility requirements for admission :**

At least 'S' grades in Biology, Chemistry and the third subject from the following subjects at the G.C.E. (Advanced Level) Examination;

- Agricultural Science
  - Higher Mathematics
  - Mathematics
  - Combined Mathematics
  - Physics
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- Degree Programmes : B.Sc. in Health Promotion [BSc (Hlth Prom)]  
Duration : 03 years  
  
B.Sc. Honours in Health Promotion  
[BScHons (Hlth Prom)]  
Duration : 04 years
  - Available University : Rajarata University of Sri Lanka

#### **2.2.3.12 Nursing (Course Code - 037) (Proposed Intake - 559)**

##### **Minimum eligibility requirements for admission :**

At least three 'S' grades in Chemistry, Physics and Biology at the G.C.E. (Advanced Level) Examination.

In addition to that, at least a 'S' pass in English at the G.C.E. (Ordinary Level) Examination.

The following universities offer a 120 credit curriculum leading to a B.Sc. in Nursing;

- University of Peradeniya
- University of Sri Jayewardenepura
- University of Ruhuna
- University of Jaffna
- Eastern University, Sri Lanka
- University of Colombo

## **Guidance and Information**

- Candidates are required to submit the duly certified copy of the original G.C.E. (Ordinary Level) Examination certificate along with the application. Failure to submit it will result in rejection of the application for the course of study in Nursing.
- In addition, the candidates should be a minimum of 4' 10" in height and should not have any kind of deformity. Candidates who fail to satisfy these physical conditions will not be considered for the course of study in Nursing.
- These two requirements are given as mandatory requirements in the Nursing Minute of the Nursing Council.
- If you get selected for the course of study in Nursing, based on false / inaccurate information provided in the application, your admission for the course of study in Nursing will be cancelled.

### **2.2.3.13 Pharmacy (Course Code - 051) (Proposed Intake - 227)**

#### **Minimum eligibility requirements for admission :**

At least a 'C' grade in Chemistry and 'S' grades in Physics and Biology at the G.C.E. (Advanced Level) Examination.

In addition to that, at least a 'S' pass in English at the G.C.E. (Ordinary Level) Examination.

The following universities offer a 120 credit curriculum leading to a B.Sc. in Pharmacy.

- University of Peradeniya
- University of Sri Jayewardenepura
- University of Jaffna
- University of Ruhuna

Candidates are required to submit the duly certified copy of the original G.C.E. (Ordinary Level) Examination certificate along with the application for university admission. Failure to submit it will result in rejection of the application for the course of study in Pharmacy.

### **2.2.3.14 Medical Laboratory Sciences (Course Code - 052) (Proposed Intake – 224)**

#### **Minimum eligibility requirements for admission :**

At least three 'S' grades in Chemistry, Physics and Biology at the G.C.E. (Advanced Level) Examination.

In addition to that, at least a 'S' pass in English at the G.C.E. (Ordinary Level) Examination.

The following universities offer a 120 credit curriculum leading to a B.Sc. in Medical Laboratory Sciences;

- University of Peradeniya
- University of Sri Jayewardenepura
- University of Ruhuna
- University of Jaffna

Candidates are required to submit the duly certified copy of the original G.C.E. (Ordinary Level) Examination certificate along with the application for university admission. Failure to submit it will result in rejection of the application for the course of study in Medical Laboratory Sciences.

**2.2.3.15 Radiography**  
**(Course Code - 053)**  
**(Proposed Intake - 68)**

**Minimum eligibility requirements for admission :**

At least three 'S' grades in Chemistry, Physics and Biology at the G.C.E. (Advanced Level) Examination.

In addition to that, at least a 'S' pass in English at the G.C.E. (Ordinary Level) Examination.

University of Peradeniya offers a 120 credit curriculum leading to a B.Sc. in Radiography.

Candidates are required to submit the duly certified copy of the original G.C.E. (Ordinary Level) Examination certificate along with the application for university admission. Failure to submit it will result in rejection of the application for the course of study in Radiography.

**2.2.3.16 Physiotherapy**  
**(Course Code - 054)**  
**(Proposed Intake - 101)**

**Minimum eligibility requirements for admission :**

At least 'S' grades in Physics, Chemistry and the third subject from the following subjects at the G.C.E. (Advanced Level) Examination;

- Biology
- Mathematics
- Higher Mathematics
- Combined Mathematics

In addition to that, at least a 'S' pass in English at the G.C.E. (Ordinary Level) Examination.

The following universities offer a 120 credit curriculum leading to a B.Sc. in Physiotherapy;

- University of Colombo
- University of Peradeniya

Candidates are required to submit the duly certified copy of the original G.C.E. (Ordinary Level) Examination certificate along with the application for university admission. Failure to submit it will result in rejection of the application for the course of study in Physiotherapy.



**2.2.3.17 Biochemistry & Molecular Biology**  
**(Course Code - 058)**  
**(Proposed Intake - 80)**

**Minimum eligibility requirements for admission :**

At least three 'S' grades in Chemistry, Physics and Biology at the G.C.E. (Advanced Level) Examination.

- Degree Programmes : B.Sc.  
Duration : 03 years
- : B.Sc. Honours (Biochemistry & Molecular Biology)  
Duration : 04 years
- : B.Sc. Honours (Molecular Biology & Biotechnology)  
Duration : 04 years
- Available University : University of Colombo

**2.2.3.18 Fisheries & Marine Sciences**  
**(Course Code - 062)**  
**(Proposed Intake - 120)**

**Minimum eligibility requirements for admission :**

At least three 'S' grades in Chemistry, Physics and Biology at the G.C.E. (Advanced Level) Examination.

- Degree Programme : B.Sc. Honours in Fisheries and Marine Sciences
- Available University : University of Ruhuna
- Duration : 04 years
- Fields of Specialization : Fisheries Sciences  
Aquaculture
- Medium : English

**2.2.3.19 Environmental Conservation & Management**  
**(Course Code - 055)**  
**(Proposed Intake - 109)**

**Minimum eligibility requirements for admission :**

At least 'S' grades in Biology, Chemistry and the third subject from the following subjects at the G.C.E. (Advanced Level) Examination;

- Physics
- Combined Mathematics
- Mathematics
- Agricultural Science

- Degree Programmes : B.Sc. in Environmental Conservation and Management  
Duration: 03 years  
  
B.Sc. Honours in Environmental Conservation and Management [BScHons (ECM)]  
Duration: 04 years
- Available University : University of Kelaniya

**2.2.3.20 Animal Science & Fisheries**  
**(Course Code - 086)**  
**(Proposed Intake - 74)**

**Minimum eligibility requirements for admission :**

At least three ‘S’ grades for one of the following combinations of subjects at G.C.E. (Advanced Level) Examination;

- (i) Chemistry, Biology and Physics
- (ii) Chemistry, Biology and Agricultural Science

- Degree Programme : B.Sc. in Animal Science & Fisheries
- Available University : University of Peradeniya
- Duration : 04 years

**2.2.3.21 Food Production & Technology Management**  
**(Course Code - 087)**  
**(Proposed Intake - 139)**

**Minimum eligibility requirements for admission :**

At least three ‘S’ grades for one of the following combinations of subjects at G.C.E. (Advanced Level) Examination;

- (i) Chemistry; Physics; and Biology
- (ii) Chemistry; Physics or Mathematics; Biology or Agricultural Science
- (iii) Chemistry; Biology; Agricultural Science or Mathematics

- Degree Programme : Bachelor of Science Honours in Food Production & Technology Management  
[BScHons (Food Prod & Tech Mgmt)]
- Available University : Wayamba University of Sri Lanka
- Duration : 04 years
- Fields of Specialization : Livestock and Avian Sciences  
Aquaculture and Fisheries

**2.2.3.22 Agricultural Resource Management and Technology  
(Course Code - 093)  
(Proposed Intake - 181)**

**Minimum eligibility requirements for admission :**

At least three 'S' grades for one of the following combinations of subjects at G.C.E. (Advanced Level) Examination;

- (i) Chemistry; Physics; and Biology
- (ii) Chemistry; Physics or Mathematics; Biology or Agricultural Science
- (iii) Chemistry; Biology; Agricultural Science or Mathematics

- Degree Programme : B.Sc. in Agricultural Resource Management & Technology
- Available University : University of Ruhuna
- Duration : 04 years

**2.2.3.23 Agribusiness Management  
(Course Code - 094)  
(Proposed Intake - 78)**

**Minimum eligibility requirements for admission :**

At least 'S' grades in Biology, Chemistry and the third subject from the following subjects at the G.C.E.(Advanced Level) Examination;

- Physics
  - Agricultural Science
  - Food Technology /Bio - Resource Technology/Agro Technology
- Degree Programme : B.Sc. in Agribusiness Management
  - Available University : University of Ruhuna
  - Duration : 04 years

**2.2.3.24 Green Technology  
(Course Code - 095)  
(Proposed Intake - 72)**

**Minimum eligibility requirements for admission :**

At least 'S' grades in Biology, Chemistry and the third subject from the following subjects at the G.C.E.(Advanced Level) Examination;

- Physics
- Agricultural Science
- Food Technology/Bio - Resource Technology/Agro Technology

In addition to that, at least a 'C' pass in English at the G.C.E. (Ordinary Level) Examination.

- Degree Programme : B.Sc. in Green Technology
- Available University : University of Ruhuna
- Duration : 04 years

Candidates are required to submit the duly certified copy of the original G.C.E (Ordinary Level) Examination certificate along with the application for university admission. Failure to submit it will result in rejection of the application for the course of study in Green Technology.

**2.2.3.25 Animal Science**  
**(Course Code - 067)**  
**(Proposed Intake - 108)**

**Minimum eligibility requirements for admission :**

At least 'S' grades in Biology, Chemistry and the third subject from the following subjects at the G.C.E.(Advanced Level) Examination;

- Agricultural Science
  - Higher Mathematics
  - Mathematics
  - Combined Mathematics
  - Physics
- Degree Programme : Bachelor of Science Honours in Animal Production and Food Technology  
[BScHons (Animal Production and Food Technology)]
  - Available University : Uva Wellassa University of Sri Lanka
  - Duration : 04 years
  - Medium : English

In the final year all students should carry out an industrial training and a research relevant to their area of interest.

**2.2.3.26 Export Agriculture**  
**(Course Code - 073)**  
**(Proposed Intake - 105)**

**Minimum eligibility requirements for admission :**

At least 'S' grades in Biology, Chemistry and the third subject from the following subjects at the G.C.E.(Advanced Level) Examination;

- Agricultural Science
- Higher Mathematics
- Mathematics
- Combined Mathematics
- Physics

- Degree Programme : Bachelor of Science Honours in Export Agriculture [BScHons (Export Agri)]
- Available University : Uva Wellassa University of Sri Lanka
- Duration : 04 years
- Medium : English

Students will be selected for one of the following specialization areas at the beginning of the third academic year.

1. Crop Products Technology
2. Entrepreneurial Agriculture

In the final year all students should carry out an industrial training and a research relevant to their area of interest.

**2.2.3.27 Aquatic Resources Technology  
(Course Code - 088)  
(Proposed Intake - 114)**

**Minimum eligibility requirements for admission :**

At least 'S' grades in Biology, Chemistry and the third subject from the following subjects at the G.C.E. (Advanced Level) Examination;

- Agricultural Science
  - Higher Mathematics
  - Mathematics
  - Combined Mathematics
  - Physics
- Degree Programme : Bachelor of Science Honours in Aquatic Resources and Technology [BScHons (Aquatic Resources Tech)]
  - Available University : Uva Wellassa University of Sri Lanka
  - Duration : 04 years
  - Medium : English

In the final year all students should carry out an industrial training and a research relevant to their area of interest.

**2.2.3.28 Occupational Therapy  
(Course Code - 115)  
(Proposed Intake - 50)**



**Minimum eligibility requirements for admission :**

At least three 'S' grades in Physics, Biology and Chemistry at the G.C.E. (Advanced Level) Examination.

- Degree Programme : Bachelor of Science Honours in Occupational Therapy [BScHons (OT)]
- Available University : University of Kelaniya
- Duration : 04 years
- Medium : English

**2.2.3.29 Optometry  
(Course Code - 116)  
(Proposed Intake - 60)**



**Minimum eligibility requirements for admission :**

At least three 'S' grades in Chemistry, Physics and Biology at the G.C.E. (Advanced Level) Examination.

- Degree Programme : Bachelor of Science Honours in Optometry [BScHons (Optometry)]
- Available University : University of Sri Jayewardenepura
- Duration : 04 years
- Medium : English

**2.2.3.30 Applied Chemistry  
(Course Code - 118)  
(Proposed Intake - 60)**



**Minimum eligibility requirements for admission :**

At least three 'S' grades in Chemistry and Physics and the third subject from the following subjects at the G.C.E. (Advanced Level) Examination.

- Biology
  - Combined Mathematics
  - Mathematics
  - Higher Mathematics
  - Agricultural Science
- Degree Programme : Bachelor of Science Honours in Applied Chemistry [BScHons (App Chem)]

- Available University : University of Kelaniya
- Duration : 04 years
- Medium : English

**2.2.3.31 Indigenous Medicinal Resources**  
**(Course Code - 120)**  
**(Proposed Intake - 50)**



**Minimum eligibility requirements for admission :**

At least 'S' grades for any three subjects from the following list of subjects at the G.C.E. (Advanced Level) Examination;

- Chemistry
  - Physics
  - Biology
  - Agricultural Science
- Degree Programme : Bachelor of Science Honours in Indigenous Medicinal Resources [BScHons (Indigenous Medicinal Resources)]
  - Available University : The Gampaha Wickramarachchi University of Indigenous Medicine, Sri Lanka
  - Duration : 04 years
  - Medium : English

**2.2.3.32 Aquatic Bioresources**  
**(Course Code - 129)**  
**(Proposed Intake - 50)**



**Minimum eligibility requirements for admission :**

At least three 'S' grades in Biological Science stream at the G.C.E. (Advanced Level) Examination.

- Degree Programme : Bachelor of Science in Aquatic Bioresources [BSc (Aquatic Bioresources)]  
Duration: 03 years
- Degree Programme : Bachelor of Science Honours in Aquatic Bioresources [BScHons (Aquatic Bioresources)]  
Duration: 04 years
- Available University : University of Sri Jayewardenepura
- Medium : English

**2.2.3.33 Urban Bioresources**  
**(Course Code - 130)**  
**(Proposed Intake - 50)**



**Minimum eligibility requirements for admission :**

At least three 'S' grades in Biological Science stream at the G.C.E. (Advanced Level) Examination.

- Degree Programme : Bachelor of Science in Urban Bioresources  
[BSc (Urb Bioresources)]  
Duration: 03 years  
  
Bachelor of Science Honours in Urban Bioresources  
[BScHons (Urb Bioresources)]  
Duration: 04 years
- Available University : University of Sri Jayewardenepura
- Medium : English

**Candidates who have offered subjects in the Biological Science Stream at the G.C.E. (Advanced Level) Examination could also seek admission to the following courses of study offered by different universities, provided that they have fulfilled the entry requirements for those courses of study.**

- Law
- Architecture
- Design
- Fashion Design & Product Development
- Management Studies (TV)
- Information Technology (IT)
- Management and Information Technology (MIT)
- Town & Country Planning
- Peace and Conflict Resolution
- Information and Communication Technology (ICT)
- Science and Technology
- Computer Science & Technology
- Entrepreneurship and Management
- Tea Technology & Value Addition
- Industrial Information Technology
- Mineral Resources and Technology
- Management and Information Technology (SEUSL)
- Physical Education
- Speech and Hearing Sciences
- Sports Science & Management
- Hospitality, Tourism and Events Management
- Palm and Latex Technology & Value Addition
- Information Technology & Management



- Tourism & Hospitality Management
- Information Systems
- Landscape Architecture
- Translation Studies
- Film & Television Studies
- Project Management
- Marine and Fresh Water Sciences
- Food Business Management
- Geographical Information Science
- Human Resource Development
- Health Tourism and Hospitality Management
- Indigenous Pharmaceutical Technology
- Yoga and Parapsychology
- Social Studies in Indigenous Knowledge