

**List of Indicative  
Priority Fields of Study**

**2009/2010**

## **Introduction**

The financial crisis has culminated into a major recession of the world economy, the depth of which is difficult to predict. As a small and highly open economy, Mauritius cannot shield itself from the adverse impact of this global downturn. However, like many countries, it can try to mitigate its undesirable effects. In this context, Government has come up with a stimulus package to shore up the economy, by focusing investment in infrastructure and human resource development. This is deemed pertinent for the country if it is to maintain growth momentum and position itself to take full advantage of the world economic recovery, when the time comes.

For judicious investment in human resources to take place, it is pertinent that proper human resource planning is undertaken, so that attempts to enhance the education and training profile of the population are in line with the needs of the economy. The availability of a critical mass of professionals in various disciplines, in this context, to support existing as well as new and emerging sectors assumes critical importance.

The List of Indicative Priority Fields of Study (LIPFS) aims at ensuring that the priority needs of the country in terms of high-level human resources are being catered for in terms of training and human resource development and that potential new graduate recruits are equipped with the right skills, knowledge and expertise, so as to be productively employed. It concurrently seeks to minimize mismatch in the graduate labour market, by ensuring that the demand for and supply of graduates are well balanced. It is compiled, taking into account employers' demand including the areas where they are presently experiencing difficulty or likely in the future to have problems to recruit graduates as well as the supply of graduates.

The LIPFS, accordingly, guides students wishing to undertake higher education in their choice of fields of study and assist them to make informed decisions, so that after their graduation they hold reasonably good prospects for employability in positions for which they have been trained, in line with the priority needs of the country. The LIPFS is also used as a reference document for the award of scholarships as well as for capacity building at the tertiary level.

Given the exiguity of the local graduate labour market, the risk that human resource needs in any one field be changed from scarcity to oversupply within a short period of time is real. Users of this List are, therefore, recommended to exert caution and to consult the appropriate bodies/authorities conversant with the latest labour market developments prior to taking any decision concerning their final choice of fields of study.

Users will note that the LIPFS 2009-2010 has been compiled on the basis of the International Standard Classification of Education and that this List is far from exhaustive. However, it is indicative of the current state and likely future trends of the graduate labour market. The possibility though for immediate employment after graduation cannot be guaranteed by Government.

**Tertiary Education Commission  
January, 2009**

# LIST OF INDICATIVE PRIORITY FIELDS OF STUDY, 2009/2010

## CONTENT

<b><u>Undergraduate Level</u></b>	<b>Page</b>
<b>1. Education</b>	<b>1</b>
1.1. Teacher Training and Education Science	
<b>2. Humanities and Arts</b>	<b>1</b>
2.1. Arts	
2.2. Humanities	
<b>3. Social Sciences, Business and Law</b>	<b>1</b>
3.1. Social and Behavioural Science	
3.2. Journalism and Information	
3.3. Business and Administration	
<b>4. Science</b>	<b>1</b>
4.1. Life Sciences	
4.2. Physical Sciences	
4.3. Mathematics and Statistics	
4.4. Computing	
<b>5. Engineering, Manufacturing and Construction</b>	<b>2</b>
5.1. Engineering and Engineering Trades	
5.2. Manufacturing and Processing	
5.3. Architecture and Building	
<b>6. Agriculture</b>	<b>2</b>
6.1. Agriculture, Forestry and Fishery	
6.2. Veterinary	
<b>7. Health and Welfare</b>	<b>2</b>
7.1. Health	
<b>8. Services</b>	<b>2</b>
8.1. Personal Services Tourism and Hospitality	
8.2. Transport Services	
8.3. Environmental Protection	

<b><u>Postgraduate Level</u></b>		<b>Page</b>
<b>1. Education</b>		<b>3</b>
1.1. Teacher Training and Education Science		
<b>2. Humanities and Arts</b>		<b>3</b>
2.1. Arts		
2.2. Humanities		
<b>3. Social Sciences, Business and Law</b>		<b>3</b>
3.1. Social and Behavioural Science		
3.2. Business and Administration		
3.3. Law		
<b>4. Science</b>		<b>4</b>
4.1. Life Sciences		
4.2. Physical Sciences		
4.3. Mathematics and Statistics		
4.5. Computing		
<b>5. Engineering, Manufacturing and Construction</b>		<b>4</b>
5.1. Engineering and Engineering Trades		
5.2. Manufacturing and Processing		
5.3. Architecture and Building		
<b>6. Agriculture</b>		<b>4</b>
6.1. Agriculture, Forestry and Fishery		
6.2. Veterinary		<b>5</b>
<b>7. Health and Welfare</b>		<b>5</b>
7.1. Health		
7.2. Social Sciences		
<b>8. Services</b>		<b>5</b>
8.1. Personal Services		
Tourism and Hospitality		
8.2. Environmental Protection		

## **UNDERGRADUATE LEVEL**

1. **Education**
  - 1.1. **Teacher Training and Education Science**
    - Educational Psychology
    - Special Needs Education
  
2. **Humanities and Arts**
  - 2.1. **Arts**
    - Design and Communication
    - Home Studies (With Specialisation in Food Studies or Textile Studies)
    - Performing Arts (Western Music/ Oriental Music /Classical Dance)
  
  - 2.2. **Humanities**
    - Archaeology
    - Asian Languages (Tamil, Telegu, Marathi, Mandarin)
    - Modern Languages: Mandarin/Spanish//Portuguese/German
  
3. **Social Sciences, Business and Law**
  - 3.1. **Social and Behavioural Science**
    - History/Geography
    - Psychology
  
  - 3.2. **Journalism and Information**
    - Archives/Museum Studies
  
  - 3.3. **Business and Administration**
    - Banking and Finance
    - Logistics
    - Procurement Management
    - Property and Facility Management
  
4. **Science**
  - 4.1. **Life Sciences**
    - Bioinformatics
    - Marine Biology
    - Fisheries Biology
  
  - 4.2. **Physical Sciences**
    - Oceanography
  
  - 4.3. **Mathematics and Statistics**
    - Actuarial Science
  
  - 4.4. **Computing**
    - Computer Science/ Information and Communication Technology
    - Web Designing
    - E-Commerce /E- Marketing
    - Information Systems
    - IT with Forensics – Cyber Law and Cyber Crime
    - Software Development
    - Software Engineering
    - Systems Analyst/Design/Administration
    - Telecommunication and Networking

5. **Engineering, Manufacturing and Construction**
  - 5.1. **Engineering and Engineering Trades**
    - Industrial/ Manufacturing Engineering
    - Marine and Coastal Engineering
    - Quantity Surveying
    - Textile Engineering
    - Transport Engineering
  - 5.2. **Manufacturing and Processing**
    - Food Production and Management
  - 5.3. **Architecture and Building**
    - Architecture
    - Land Surveying
    - Landscape Architecture
    - Town and Country Planning
6. **Agriculture**
  - 6.1. **Agriculture, Forestry and Fishery**
    - Agricultural Biotechnology
    - Agricultural Engineering
    - Agricultural Science ( Chemistry and Virology)
  - 6.2. **Veterinary**
    - Veterinary Medicine
7. **Health and Welfare**
  - 7.1. **Health**
    - Nursing
    - Nutrition
    - Occupational Health and Safety
    - Pharmacology
    - Physiotherapy
    - Traditional Medicine/ Ayurvedic Medicine
8. **Services**
  - 8.1. **Personal Services**  
**Tourism and Hospitality**
    - Hospitality Management
    - Leisure and Entertainment Management
    - Travel and Tourism
  - 8.2. **Transport Services**
    - Nautical Studies
  - 8.3. **Environmental Protection**
    - Renewable Energy

## **POSTGRADUATE LEVEL**

### **1. Education**

#### **1.1 Teacher Training and Education Science**

- Curriculum Studies (Design and Development)
- Early Childhood Care and Education/ Preprimary Education
- Educational Administration
- Quality Assurance in Education
- Special Needs Education ( Learning Disabilities)

### **2. Humanities and Arts**

#### **2.1. Arts**

- Performing Arts (Western Music/ Oriental Music /Classical Dance)

#### **2.2. Humanities**

- Modern Languages: Mandarin, Spanish, Portuguese and German (With Multilingual Competence for Professional Applications)

### **3. Social Sciences, Business and Law**

#### **3.1. Social and Behavioural Science**

- Child Psychology / Child Welfare and Protection
- Clinical Psychology / Counselling Psychology
- Industrial Psychology/ Social Psychology
- International Economics and Finance
- International Relations

#### **3.2. Business and Administration**

- Asset and Investment Management
- Financial Services, Regulation and Compliance
- Forensic Accounting / Fraud Investigation
- Fund Management
- Heritage/ Cultural Asset Management
- Human Resources Management
- International Tax Planning
- Knowledge Management
- Land Resources Management
- Logistics/ Supply Chain Management
- Marketing Management
- Project Management
- Quantity Management
- Risk Management/Analyst

#### **3.3. Law**

- Commercial Law
- Cyber Law
- Financial Services Law
- Human Rights Law
- Intellectual Property Law
- International Corporate and Business Law
- Law of International Trade
- Law Related to Aviation and Shipping Sectors
- Law Related to Offshore Financial Activities
- Maritime Law

4. **Science**
  - 4.1. **Life Sciences**
    - Bio-Informatics
    - Biomedical Engineering
    - Biotechnology
    - Food Microbiology
    - Molecular Biology/ Micro Biology/ Molecular Genetics
    - Toxicology
  - 4.2. **Physical Sciences**
    - Marine / Oceanographic Sciences
    - Geology and Geophysics
  - 4.3. **Mathematics And Statistics**
    - Actuarial Science
    - Asset and Investment Management
    - Financial Services, Regulation and Compliance
    - Forensic Accounting / Fraud Investigation
    - Fund Management
    - International Tax Planning
    - Risk Management/Analyst
  - 4.4. **Computing**
    - Business Information Systems with Specialization in Network Technology / Intelligent Systems
    - Database and Network Administration
    - Development of Internet-Based Solutions
    - E-Commerce/E-Business / E-Logistics / E-Marketing
    - Information Management and Systems
    - Internet Security
    - Multimedia and Interactive Computer Systems
    - Software Development / Engineering
    - Web Design and Development
5. **Engineering, Manufacturing and Construction**
  - 5.1. **Engineering and Engineering Trades**
    - Geotechnical Engineering
    - Industrial/ Manufacturing Engineering
    - Marine/ Coastal Engineering
    - Structural Engineering
    - Telecommunications Engineering
    - Traffic Engineering/ Management
  - 5.2. **Manufacturing and Processing**
    - Textile and Clothing Technology
    - Textile Engineering
    - Textile Fashion and Design
  - 5.3. **Architecture and Building**
    - Construction Management
6. **Agriculture**
  - 6.1. **Agriculture, Forestry and Fishery**
    - Horticulture
    - Food Technology



## **6.2. Veterinary**

- Veterinary Medicine with Specialization in Reproduction / Virology / Microbiology / Pathology / Surgical / Aquatic Diseases and Aquaculture / Epidemiology and Disease Surveillance

## **7. Health and Welfare**

### **7.1. Health**

- Anaesthesia
- Cardiac Surgery
- Cardiology
- Chest Diseases
- Dental Surgery, Including Endodontics and Periodontics
- Dietics and Diet Therapy
- General Medicine
- Geriatrics
- Immunology
- Neurology / Neurosurgery
- Nutrition
- Orthopaedics
- Ophthalmology
- Pathology
- Pharmacology
- Physical Medicine
- Plastic and Reconstructive Surgery
- Psychiatry
- Radiology
- Rheumatology
- Speech Therapist
- Sports Medicine
- Virology

### **7.2. Social Services**

- Counselling Psychology

## **8. Services**

### **8.1 Personal Services**

#### **Tourism and Hospitality**

- Hospitality and Entertainment Management
- Tourism Operation and Marketing
- Tourism Planning and Management

### **8.2. Environmental Protection**

- Coastal Management
- Environmental Pollution and Control
- Hazardous Waste Management
- Renewable Energy
- Sustainable Development Management
- Waste Water Management
- Water Resource Management