

Sri Lanka



General Sir John Kotelawala  
Defence University

2021

# Undergraduate Prospectus



“For the Motherland Forever”

“සිය මව්මඩ සැවදැන්”

[www.kdu.ac.lk](http://www.kdu.ac.lk)

# CONTACT US

If you have questions about entry requirements or programme information, please contact:

Student Recruitment & Admissions  
General Sir John Kotelawala Defence University  
Ratmalana,  
10390,  
Sri Lanka.

Tel : +94 (0)11 263 2028  
+94 (0)11 263 5268  
+94 (0)11 263 8656  
+94 (0)11 263 8657

E-mail : [admissions@kdu.ac.lk](mailto:admissions@kdu.ac.lk)  
Web : [www.kdu.ac.lk](http://www.kdu.ac.lk)

For questions about fees, please contact:

Deputy Registrar : +94 (0)11 263 4555  
+94 (0)71 021 9255

Bursar : +94 (0)11 262 2601

International Students, please contact:

Foreign Relations Officer  
Email : [fro@kdu.ac.lk](mailto:fro@kdu.ac.lk)  
Tel : +94 (0)11 263 2028 (Ext: 223)

▶ For specific course enquiries contact the Student Recruitment & Admissions Office.

 [@KotelawalaDefenceUniversity](https://www.facebook.com/KotelawalaDefenceUniversity)

 [@Kotelawala\\_uni](https://twitter.com/Kotelawala_uni)

▶ <https://www.youtube.com/channel/UC3pp0YuDK7eXDJI6VPArYpA>



## 2021

Application forms and other relevant details could be downloaded from the KDU website

[www.kdu.ac.lk](http://www.kdu.ac.lk)

International visits:

If you don't live in Sri Lanka, email [iro@kdu.ac.lk](mailto:iro@kdu.ac.lk)

to arrange a private visit.

Find us @[www.kdu.ac.lk/international-relations/](https://www.kdu.ac.lk/international-relations/)

International students please contact:

Foreign Relations Officer

Email : [fro@kdu.ac.lk](mailto:fro@kdu.ac.lk)

Tel : +94 (0)11 263 2028 (Ext: 223)



If you need this information in an alternative format, please call our Student Recruitment & Admissions Office +94 (0)11 2622995

# WELCOME

## GENERAL SIR JOHN KOTELAWALA DEFENCE UNIVERSITY

Since its inception in 1981, General Sir John Kotelawala Defence University (KDU) has been in the forefront of defence-related higher education in the South Asian region. It produces intellectually, physically and mentally robust graduates for the tri-services in the country.

By opening its doors to civilian day scholars in 2012, KDU expanded its scope further, and currently, the day-scholar programme has become a phenomenal success. The increasing number of local and foreign students seeking placements in KDU degree programmes each year reflects the local and international recognition for the University and its degree programmes.

Today, KDU operates with nine fully-fledged academic faculties offering degrees that are benchmarked with similar courses offered by prestigious local and foreign universities. With its leadership with a futuristic vision and the well-qualified and dedicated staff, KDU is poised for reaching greater heights in higher education globally.



## The Symbolic Composition of The University Crest



The Emblem of Sri Lanka - Allegiance to the Nation  
Cross Swords - Sri Lanka Army  
The Anchor - Sri Lanka Navy  
Two Wings - Sri Lanka Air Force  
The Torch - Education

### The Motto

සිය මව්මව් කවදන්

For the Motherland Forever



## University Flag



### Objects

To provide facilities to introduce officer cadets to the profession of arms, and guide them to develop their knowledge and skills in the profession of arms, prior to being commissioned in the Armed Forces.

To provide for such courses of study and instructions in such branches of learning for officer cadets, officers, public officers and other persons leading to the award of such degrees, diplomas and other academic distinctions.

To foster a spirit of comradeship and goodwill and promote understanding amongst officer cadets to develop their character, self confidence and qualities of leadership.

To admit officer cadets, officers, public officers and other persons to follow such courses of study and to hold examinations for the purpose of ascertaining the proficiency required on such courses of study and in such branches of learning.

# Notable Personalities from KDU's History

## Supreme Court Judge Justice PP Surasena

Judge Preethi Padman Surasena joined intake 1 of KDA in 1981. He graduated from KDA in 1984, and he became an Attorney-at-Law of the Supreme Court of the Democratic Socialist Republic of Sri Lanka in the year 1989. In 2005 he earned a LL.M from Queen Mary and West Field College of the University of London. Subsequently, in the year 2007 he was appointed as a High Court Judge by HE President, of Sri Lanka. He became the Chairman of the Court of Appeal in 2018 and Supreme Court judge in 2019.



## Professor Kapila Perera PhD

Professor Kapila Perera joined the Sri Lanka Navy on 1<sup>st</sup> January 1985 as a Service Cadet of KDA Intake 2. He became the first officer cadet to be graduated with a first class honours degree, thereafter he was privileged to earn a Doctoral degree. Professor Kapila Perera served as the Vice Chancellor of Moratuwa University, and currently he serves as the Secretary to the Ministry of Education, Sri Lanka.



## Admiral Jayanath Colombage

Admiral Colombage served the Sri Lanka Navy for a period of 36 years and retired as the Commander of the Navy. He holds a PhD from General Sir John Kotelawala Defence University, Master of Science in Defence and Strategic Studies from Madras University and Master of Arts in International Studies from Kings College, London. His PhD thesis "Asymmetric Warfare at Sea; the Case of Sri Lanka" has been published by Lambert Academic Publishing in Germany. Admiral, Professor Jayanath Colombage currently serves as the Secretary to the Ministry of Foreign Affairs, Sri Lanka.



## Major General KRP Rowel

Major General Renuka Rowel commenced his military career by joining the KDA Intake 2 as a service cadet. He has held a number of key appointments in command, staff and instructor fields in the Army. His commands include Infantry Brigade commander, Signal Brigade Commander and Infantry Division Commander. He has also been a Colonel General Staff, Brigadier General Staff and a member of Directing Staff at Army Command and Staff college. He is a recipient of the Rana Wicrama medal for gallantry.



## Captain (Dr.) Madhura De Alwis

Captain (Dr) Madhura De Alwis achieved the significant landmark of being the first ever medical student of KDU to be qualified as Doctor of Medicine (MD). He joined KDU in the year 2009 as an Officer Cadet of Intake 27. He was an outstanding Officer Cadet who balanced military training with education tremendously well.

# The Vice Chancellor of **KDU**

Since its establishment in 1981, KDU has primarily been producing graduates in various disciplines needed for the tri-services in Sri Lanka. Yet, today, offering an alternative higher educational model that suits modern needs, KDU has opened its doors to civilian students both local and foreign to realize their higher educational dreams in a unique learning environment in the beautiful island of Sri Lanka.

Within the last decade, KDU has developed into a well-recognized university in the region that paves the path for its students towards successful and satisfying careers, and it is consistently moving towards achieving excellence in the field of higher education. The secret of its success is its emphasis on the quality of its programmes, staff, facilities and graduates. Discipline and immaculate planning have turned out to be the enabling grounds for the same.

KDU curricula have been designed with proper emphasis on both theory and practice, and knowledge and skills so that our products fit in with needs for moulding well-rounded personalities to take up challenges irrespective of their subject disciplines. Hence, it provides the best opportunities for the development of soft skills, personality and leadership through various extra and co-curricular activities. Students enjoy the privilege of being involved in any sports or aesthetic activity of their liking. Also they get many opportunities for social interaction through various club activities in which they grow up to be well-balanced team players needed for the modern world of work.

In sum, KDU offers our prospective students an unparalleled higher educational experience, fruitful and enjoyable. So, let me invite intelligent youth and wise parents to consider KDU for their higher educational needs. On our part, we will ensure that you leave our portals as confident graduates acceptable in the competitive world of employment and entrepreneurship anywhere in the world.

I wish you all success !



Major General Milinda Peiris RWP RSP VSV USP  
Vice Chancellor





# CONTENTS

## **WELCOME TO GENERAL SIR JOHN KOTELAWALA DEFENCE UNIVERSITY 01**

KDU at a glance	07
Globally Connected University in Sri Lanka	08

## **WHY CHOOSE KDU 09**

Why Study in Sri Lanka	09
Top Reasons for choosing KDU	10
Learn through research	11
University Hospital of KDU	12
Southern Campus	13
A Students' life at KDU	14
A Cadet's life at KDU	16

## **FACILITIES AND SUPPORT 17**

Support services	17
Accommodation	19
Print and Digital resources	20
KDU Library network	21
Sports facilities	22

## **WHAT YOU CAN STUDY- Our Degree programmes 23**

Defence and Strategic Studies	23
Medicine	25
Engineering	27
Law	37
Management, Social Sciences and Humanities	39
Allied Health Sciences	45
Built Environment and Spatial Sciences	53
Computing	59

## **HOW TO APPLY 63**

Entry Requirements	66
Admission Procedure and Staying in touch	67
KDU Affiliated Institutes	73
KDU International Collaborations	74
Degree Programme Index	75





# KDU at a glance

We have over  
**5600**  
students

Over  
**1000**  
members of staff

**Over 40 years**  
of history

1980 ← ————— → 2020

Students from  
over **29**  
countries

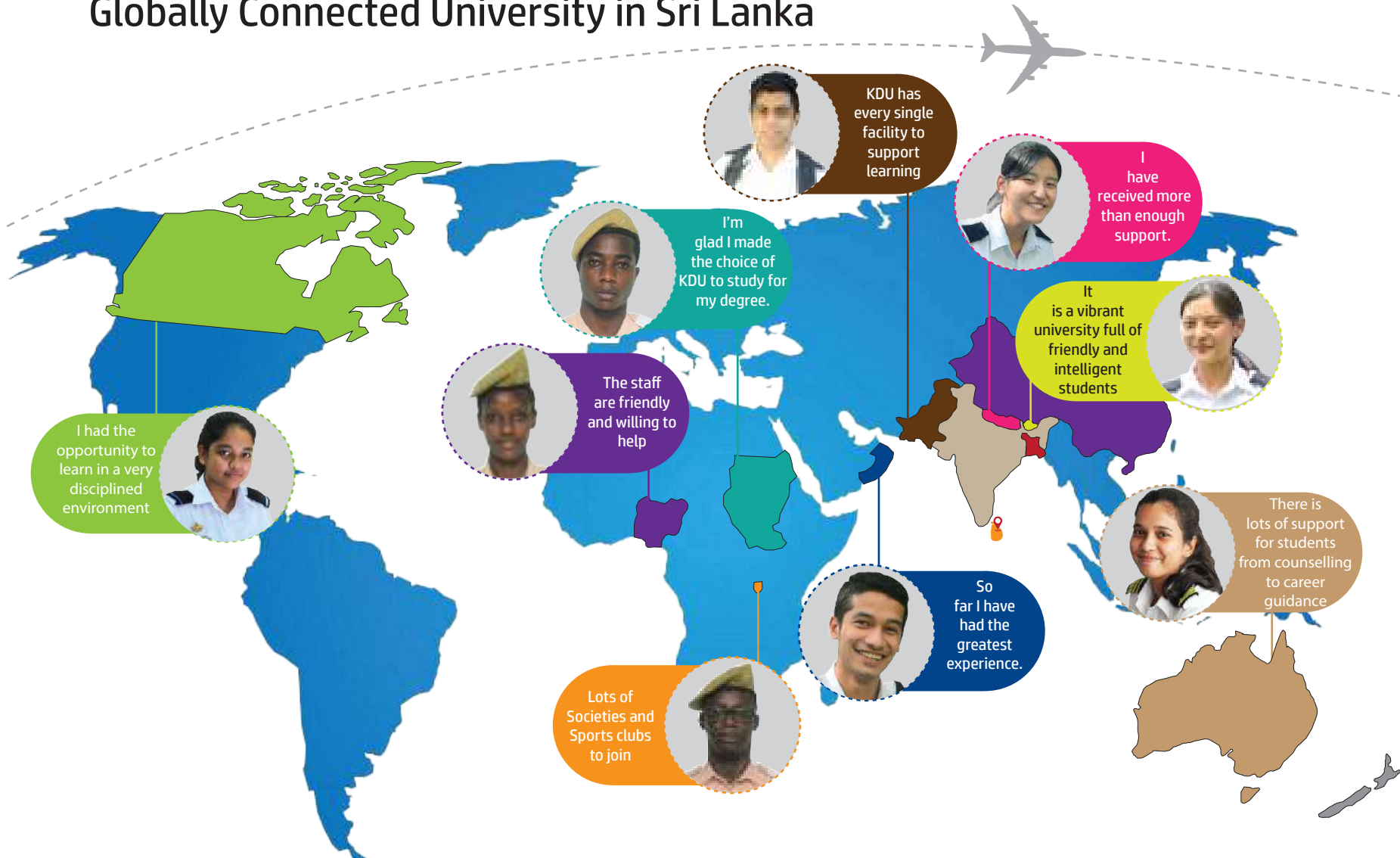
Over **250**  
International  
students

Ranked  
**4th**  
among  
world military  
academies

Over **34**  
Undergraduate  
and Postgraduate  
Degrees



# Globally Connected University in Sri Lanka



From Sri Lanka	Bhutan	China	India	Maldives	Nepal	Pakistan
	3 Hours	5 Hours	2 Hours	1.5 Hours	3 Hours	3 Hours
	2400 Km	3900 Km	1500 Km	1000 Km	2300 Km	2700 Km



# WHY STUDY IN SRI LANKA?

The most generous country during Covid-19 Pandemic



**1 EARN AN INTERNATIONAL DEGREE**  
Become a graduate with an international degree from a globally recognized university and study in a world class education system.

**2 UNCOMPLICATED VISA PROCESSING**  
Visa processing is online and quick. Document requirements are minimal.

**3 AFFORDABLE LIVING COST**  
Living cost in Sri Lanka is 75% less compared to living costs in North America, Europe or in Australia.

**4 ONE OF THE SAFEST COUNTRIES IN THE REGION**  
Sri Lanka is one of the safest countries in the region. One of the best inclusive multicultural nations to undertake your studies.

**5 EXPERIENCE THE LOCAL CUISINE THAT IS NOT HEAVY ON YOUR WALLET**  
Enjoy the variety in local cuisine that balances taste and nutrition along with all possible seafood at affordable prices.





# TOP 13 REASONS FOR CHOOSING KDU

We offer an outstanding experience for students and a world class education. We aim to inspire you to discover and sharpen your potential during your time at KDU.



## Recognition of Regulatory Bodies

All KDU degree programmes are recognized by the University Grants Commission, Sri Lanka.



## Free Education for Officer Cadets

Free education including boarding and lodging facilities together with a living allowance for Officer Cadets.



## Opportunity to join the Tri-Forces

Bright opportunities for local students to join prestigious officer ranks of the Sri Lanka Army, Navy or Air Force.



## Affordable course fees

Affordable fee structure for foreign students as compared to other Universities with facilities to pay in installments for local students.



## Experienced Faculty

We have a well-qualified and experienced faculty (uniformed and civilian), with prime focus on achieving preset educational goals.



## Internationally recognized university

KDU is a member of the International Association of Universities (IAU) and the Association of Commonwealth Universities (ACU).



## Excellence in Education

Quality education synchronized with the latest teaching/ learning techniques and student-centered methodologies.



## Accommodation and Lodging Facilities

Comfortable, well-furnished and home like accommodation facilities for selected local and all foreign students.



## Character Building

Special emphasis on character development of students through mentoring programmes.



## Sport and Recreational Facilities

Many sports and recreational facilities for the development of mental and physical wellbeing of students.



## World Class Medical Facilities

All students are provided with medical assistance in the state-of-the-art teaching hospital located in close proximity.



## Broader Horizon

Industrial visits, interaction with the Industry and regularly scheduled guest speaker lectures by renowned scholars.



## Safe & Disciplined Environment

Safe and secure environment to study and complete your studies without interruptions.

# Learn through research –KDU’s research excellence

**Develop your analytical skills at General Sir John Kotelwala Defence University by practicing what you learn in the classroom and through hands-on research opportunities that we provide.**

General Sir John Kotelwala Defence University (KDU) strives to strengthen the research landscape of the institution in particular and of the country in general. We believe our research should largely cater to the needs of the society, country and the world. Research at KDU stands for publications in high impact journals, establishing collaborations with local and foreign research groups/ Institutes and commercialization of research. Our academic staff generate knowledge and make innovations in academic disciplines as diverse as health, biomedicine, biotechnology, engineering & technology, computing, social sciences, law, built environment, spatial sciences, international relations, management etc. Accordingly, we encourage all our undergraduates to work with those academics and to practice their knowledge with hands-on experience through engaging in research. In this endeavour, KDU academics and students often work together as teams, bringing their research ideas onto one platform and coming up with new knowledge and innovations.



## *How we facilitate research*

You are the next generation of inventors. We want to provide you with opportunities to be trained as future scientists. We have teachers who are passionate on their subjects and therefore are constantly engaged in research to update knowledge. We provide open access to resources for researchers through state-of-the-art laboratory facilities, such as the Biomedical Research Laboratories at the Faculty of Medicine, the Wind Tunnel and the 24x7 Research Lab at the Faculty of Engineering, and the High-end Computer Modeling and Simulation Lab at the Faculty of Computing, for student research. To facilitate commercialization of research through public-private partnerships as well as collaborations with other state sector institutes, KDU has established its Institute for Combinatorial Advanced Research and Education (KDU-CARE). KDU-CARE aims to support the commercialization of its research findings by bridging the gap between the university and industry. KDU organizes an annual International Research Conference (IRC), where researchers from around the world can disseminate their findings. We also recognize both academics and students who productively engage in research with research excellence awards.

Explore our website, under ‘Research and Development’ on the KDU main site.

## *Get involved*

You will get many opportunities to conduct your own research and be a part of our ongoing research projects. Most courses include a dissertation or a research project, giving you the chance to study in depth a topic that interests you under the guidance of an academic mentor. You can also spend your free time involving in ongoing research projects of our academic staff. Your contribution towards publications/ patents will boost up your CV.

You can also team up with fellow students and/or an academic mentor to work on your innovative ideas. KDU is always supportive towards providing you with necessary facilities in terms of guidance, physical resources, as well as financial resources. You can also present and publish your research findings at our annual International Research Conference (KDU-IRC). You can be involved in KDU-CARE projects and expand your experience by working on industry-oriented research and development activities.





# UNIVERSITY HOSPITAL

The 814 bed university hospital of KDU comprises of ultra-modern facilities with cutting edge technology to provide round-the-clock emergency and trauma care and specialized treatment of patients with diseases of all branches of medicine such as surgery, paediatrics and obstetrics, gynaecology and other medical and surgical specialties. The paying section of the hospital includes 50 paying beds and 6 suites with 120 consultation rooms for private consultation facilities. It also comprises of a state-of-the-art auditorium equipped with all modern facilities, which is an ideal venue for national and international conferences and seminars. The hospital also provides ideal teaching facilities enabling live audio and video demonstrations of surgical and other clinical procedures for Medical Students.







## SOUTHERN CAMPUS

KDU envisioned broadening its network back in the year 2015 by establishing campuses in the peripheral South and the North. Thus, when the opportunity arose for commencing a University Village in the South, KDU took up the brave challenge of establishing a fully-fledged campus from scratch on a 140-acre virgin land extent vested in it by the government.

When completed, the Southern Campus emerged as a unique and picturesque campus surrounded by a natural forest coverage, scenic lakes, and a breathtaking horizon seen from its building tops.

With the recently established Hambanthota Port, Mattala International Airport and the connectivity to the capital through the Southern Expressway, the Southern Campus will be an ideal university campus for both local and foreign students reading for their degrees.

Today, the Southern Campus comprises of the Faculty of Computing and the Faculty of Built Environment and Spatial Sciences, offering several much sought after degree programmes. It is currently the home for approximately one hundred students, housed in hostels provided by the university. Both Officer Cadets and Day Scholars reside within the campus and learn together in a cordial atmosphere of mutual understanding and comradeship.

The campus provides its student population with library facilities, computer laboratories with latest equipment, fully-equipped architectural studios, much needed sports and recreational facilities, and eventually a quality tertiary education needed for producing balanced personalities.

# Student Life at KDU

## Club Activities

Club activities are an integral and interesting part of KDU student life, and they signify the holistic approach adopted by KDU in its higher educational model. Various clubs have been formed, and they are run by students themselves under guidance and supervision. These student-preferred activities inculcate in them the much needed team spirit, leadership traits and brotherhood among them. These clubs are also a haven for identifying and refining the hidden talents of KDU undergraduates. They help develop soft skills in students essential for their overall personality growth.

### Rotaract Club

The Rotaract Club of KDU was inaugurated and chartered in 2013, and, as per the vision of the Vice Chancellor, the club prioritises conducting service projects which would benefit the immediate surrounding community of the University and the University itself. Moreover, emphasis is placed on soft skills development of the university students. The membership consists of both Officer Cadets and Day Scholars, and both groups work hand in hand to achieve the manifest "Fellowship through Service".

### National Rover Crew

The Scouting Club is the latest addition to KDU club activities in 2020 as Rover Scouting Club under the patronage of Maj Gen Milinda Peiris, the Vice Chancellor and the Chief Commissioner of Sri Lanka Scout Association. The purpose of the Club is to contribute to the development of officer cadets and day scholars in achieving their full physical, intellectual, emotional, social, spiritual and cultural potentials as individuals, as responsible citizens and as members of their local, national and international communities.



### Toastmasters Club

KDU Toastmasters Club was initiated to enhance the public speaking capabilities of Officer Cadets and Day Scholars, as well as to overcome the initial shyness in using English and to improve their personality and leadership skills. KDU Toastmasters Club is an official member of the Toastmasters International, an international non-profit organization with a worldwide membership that promotes the effective use of language and verbal communication skills.

### Eco Club

Kandawala Estate and its environs is well known for its high bio-diversity. Mangroves of the adjoining Kandawala Lake are a paradise for all types of birds. KDU Eco Club was initiated in 1999 to help enhance students' awareness on the value of preserving the environment. The Club recognizes the growing need of the world to protect and preserve its environment for future generations.

### Music Club

The KDU Music Club is one of the most colorful and popular clubs at KDU. It comprises of young Officer Cadets and Day Scholars highly talented in both eastern and western music and of those who love music as a way of life. Through their club activities, members of the club get the opportunity to display their various talents on stage, such as playing instruments, singing and compering whilst entertaining the university community. Every intake of KDU has its own music band named 'Beige' and its performances add glamour to many functions organized in the university.





### Dancing Club

The Dancing Club of KDU was formed in the year 1999 with the aim of unveiling the latent aesthetic talents of dancing in the vibrant youths of KDU student body. Since then the club has been one of the most active ones providing its membership with a stage to display their youthful robustness and exuberance through the display of their dancing skills. The annual 'July Ball' as well as other functions of KDU provide the membership with opportunities to display their talents, and by casting their talents in the field of dancing and other performing arts, the members of the club tremendously develop their soft competencies for overall personality development.

### Photography Club

The Photography Club is a new addition to the lineup of clubs at KDU. The club provides opportunities to like-minded photography enthusiasts to gather, discuss, and develop their photographic skills.

### E-Club

KDU E-Club is one of the most notable clubs of the University. In addition to being engaged in their club activities, this club is also responsible for maintaining and updating the University website and for planning PowerPoint and visual displays of the University's official presentations, through which the members get hands on experience in their preferred field. Club members also contribute to the university by closely observing new developments in the field of Information Technology to utilize them for the betterment of the University.

### Billiard Club

The Billiard Club of KDU was formed in the year 2018. Officer Cadets and Day Scholars are now privileged to take part in cue sports. Team practices are regularly carried out on every Wednesday during the club activity session.

### Arts & Culture Club

This Club is aimed at incorporating the rich culture and arts of the country into the student community of KDU. The students involved in this club engage in varied activities to enrich the aesthetic and cultural values of the membership and the student body as a whole. "Bak Maha Ulela" and "Wesak Festival" are two major events enriched with cultural values, and members of the Arts and Culture Club play a prominent role in organizing such events. The involvement of the foreign students representing diverse cultures adds beauty and variety, and it inculcates a sense of inclusiveness and cultural harmony among the student body.

### Bridge Club

The Bridge Club at KDU was inaugurated with a view to exposing the Cadets and Day Scholars to the world famous mind stimulating game. Contract bridge or simply bridge is a risk-taking game using a standard deck of 52 playing cards. The enthusiasts who join this club show a great dedication to learn the intricacies of the game.





## A Cadet's life at KDU

### Value of Discipline

Officer Cadets at KDU undergo military training along with their academic studies, and the military training component has been designed and planned to educate, train and inspire the selected officer cadets for an exemplary service in the Tri-Services as commissioned officers. The initial step in military training is discipline. Hence, the daily regimentation of officer cadets' life has been designed to develop an appreciation of discipline and understanding of the need to maintain professional standards. In that regard, self-discipline, sensitivity to the needs and feelings of others, and thoughtful service to the nation are among the characteristics that are highly prized within the officer cadets of KDU.

### Induction to Cadetship

Soon after enlistment, KDU officer cadets are sent to their respective military academies to undergo a six-month intensive course, which familiarises them with the military way of life. In addition, they follow an English language skill improvement programme, which facilitates their studies at the University in the medium of English.

### Military Education and Training

The Faculty of Defence and Strategic Studies provides military education and training both in class and field. A large part of this programme is devoted to provide basic military knowledge on basic tactics, field craft, map reading, service writing, Joint staff duties and military history, emphasizing development of basic leadership expertise in officer cadets, which is vital to the profession of arms. The purpose of this programme is to mould officer cadets physically and mentally to cope with their final phase of military training at their respective military academies.

### Weapon Training and Live Firing

"Every officer cadet strives to be a marksman". Based on this concept, weapons training and live firing are included as a vital component in the military training programme. Officer Cadets are taught the principles of basic marksmanship and theory. Practical lessons on handling T 56, LMG (Light Machine Gun) and other weapons used at platoon level are conducted prior to live firing.

### Enrichment with Relevant Knowledge

Subjects such as International Relations and Military History are taught to officer cadets to make them examine and analyse the changing nature of warfare from the early modern period to the recent wars.

### Team Research

In the second year, officer cadets are assigned the task of conducting syndicate presentations on well-chosen topics after conducting research on various current issues relevant to local or international scenarios and on case studies on major military operations launched by the Sri Lankan Forces.

### Outdoor Activities

During the academic programme of the first year, educational and other outdoor activities are also arranged by the University in addition to educational activities. During the training in the first year, officer cadets are introduced to most of the sports activities conducted at KDU.

### Military Way of Life

The following extract from "The Making of an Officer and a Gentleman" by General JED Perera, a former Chancellor of KDU, explains the necessity of familiarizing officer cadets with the military way of life, which is exactly what is done through the military training carried out at KDU. "Civilian life is very different to that prevailing in the Armed Forces. In the services, a man/woman is trained to be a balanced individual in times of peace and to use controlled violence when at war. He/ She is conditioned for battle and trained to have the correct reflexes when faced with danger. Some people find it difficult to understand military discipline, saluting, spit and polish and all insignia with ceremonial attributes, exactly those which give the Armed Forces stamina and a sense of value. Above all, discipline and character make them a proud and unified body. Their customs and traditions are the very symbols of the fighting spirit which help them to nurture the way of military life."





## Centre for Gender Equity and Equality

The Centre for Gender Equity and Equality at KDU works towards promoting a gender-sensitive university culture and university environment which allows students to pursue their work without oppression and discrimination. It aims to ensure fairness and justice in the distribution of opportunities, benefits and responsibilities between women and men and to develop a gender sensitive environment at KDU. Teaching and research on gender based issues are integral components of this Centre.



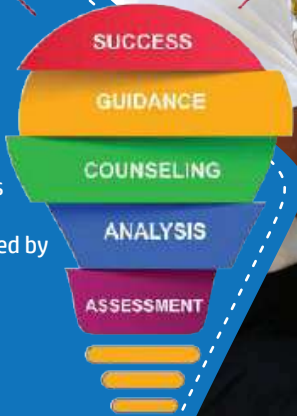
## International Relations Office

The International Relations Office of General Sir John Kotelawala Defence University (KDU-IRO) was established to foster and develop partnerships with globally renowned universities, educational centres, professional academic institutions and organizations for research collaborations, student/ staff mobility programmes, joint conferences and seminars.



## Career Guidance Unit

KDU Career Guidance Unit assists the cadets and day scholars to develop soft skills, attitudes and positive thinking, which will empower them in reaching employer's requirements, enhance the leadership skills and patriotism of cadets and lead KDU on a path which is highly recognized by the corporate sector.



# SUPPORT SERVICES

Studies may be a major part of your student life, but we recognize that what happens around you can matter just as much. From the provision of general guidance to that of specialised support, KDU will make the most out of your university experience.

## Internships/ Work Placements

Our close contacts and research collaborations with companies and major employers mean that we can help you find a wide variety of industrial placements.

Year in industry – Many degree programmes at KDU incorporate 6 months spent in the world of work.

Placements and internships – Our Career Guidance Service regularly advertises summer placement opportunities that you can take outside of your studies, and offers you advice and support on approaching graduate employers directly.

KDU helps you to develop transferable skills. We provide our students with internship opportunities and work placements and industrial training opportunities. Some internships and work experience opportunities are paid. Some of our students give such a positive impression that they are offered a position after they graduate.

## Counselling

We offer psychological counselling to help you through difficulties, dilemmas and anxieties, and to make your university experience a better one. There are also “Student Mentors” assigned to each one of you to help you overcome any issues related to your studies.

## Religious Facilities

You will find several places of worship within the campus – a Temple, a Kovil, an Islamic prayer room and a multi-faith prayer room are located within the campus.

## Health and Wellness

The healthcare centre on campus with the service of a qualified and experienced doctor provides its professional services during weekdays including treatment of minor illnesses and injuries, and dispensing over-the-counter medication. For more serious medical treatment, the teaching hospital of KDU is minutes away from the main campus.

## Research and Learning

Looking to improve your academic performance and study approaches? Our qualified and experienced academic and academic support staff can work with you to identify and develop research and learning skills that you need.

## Honour Shop

KDU Honour Shop set up for the welfare of officer cadets, day scholars, and tri-service and civil staff of KDU offers high quality products at welfare rates, adapting to market changes. The shop is open from 0700 hrs to 2030 hrs daily.

## Bakery

The KDU Bakery supplies high quality, safe and hygienically prepared bakery products using advanced machinery for KDU food requirements. Mainly, it fulfills the requirements of the Cadets mess, Officers mess and the Other Ranker's mess.

## KDU Helpline

KDU has taken steps to initiate an online/ telephone counselling service, “KDU Helpline” for KDU students to improve the accessibility of mental healthcare, which is essential in improving mental and social wellbeing.

## Host Family Programme

Moving to a new country can be difficult. Our international student advisers can assist you with accommodation, medical insurance, places to visit, where to eat, and other general support to help you settle in. We also have a great host-family programme for international students, where you are paired with a local family willing to include you in various activities throughout the year.

## Open Area - Thuru Sewana

Apart from traditional classroom lecture schedules, students are given the opportunity for non-formal learning while enjoying in a natural environmental setting in a shady area known as Thuru Sewana, which means the shade of trees. It is a place for learning with peers, to build up team interactions with colleagues and to organize small group events among officer cadets and day scholars.

## Cafeteria

The KDU Cafeteria provides KDU students and staff with high standard catering and a variety of hygienically prepared food and beverages. Built in a central location close to the faculties, and adjacent to the swimming pool, this easy-to-access, air conditioned facility provides space for more than three hundred users at a time. The cafeteria is open daily except weekends and Poya holidays from 0630 hrs to 1700 hrs.

## M-Learning Platform

With the enhancement of new technological facilities at KDU, the Faculty of Graduate Studies has introduced a new m-learning platform for postgraduate students. This package is beneficial for students who are unable to participate in classroom lectures due to unavoidable personal and official commitments. They can connect with lectures from their working/ living place live through the m-learning package.





# Accommodation



The university provides all facilities in accommodation for cadets to feel the comfort of their homes. All foreign students are also provided with accommodation within the campus on payment basis.



## Cadet Accommodation

All cadets are provided with accommodation. Cadet accommodations are located in our Main campus - Ratmalana Southern campus - Sooriyawewa

- Walk to all faculties
- Catered from Cadets' Mess
- Sport facilities
- Medical facilities
- Laundry facility
- 24x7 Internet connection
- Distance to campus- 100 m



### WERAHERA

- In the heart of Werahera campus
- Walk to campus - average 10 mins
  - Catered and self-catered
  - Medical facility
  - Sport facilities
  - Distance to campus- 100 m
  - 24x7 Internet connection

### BORALESGAMUWA

Close to the campus

- Drive to campus - average 19 mins
- Catered and self-catered
- 24x7 Internet connection
- Distance to city - 2 Km
- Laundry Facility



### SOORIYAWEWA-Southern campus

In the heart of the campus

- Walk to campus - average 200m
- Catered and self-catered
- Sport facilities
- 24x7 internet connection
- Laundry facility



# Knowledge at your fingertips



In addition to our expert teaching staff, you'll have access to a wide range of print and digital resources to guide you as you learn. We have one of the best-resourced academic libraries in the country.



11 sites across campus, all with free WiFi.



24-hour study space in the 24x7 labs during semesters.



Outstanding collections and resources, from rare books, manuscripts and archives to e-books, e-journals and online databases.



Diverse exhibitions and events organized throughout the year.



Support from LMS, a software application for the administration, documentation, tracking, reporting, automation and delivery of educational courses, training programs or learning and development programmes



All students are provided with a free laptop at the registration.

We'll keep you connected on and off campus



Access to computers and printers across the campus



Online access to your coursework, timetables and campus activities



Smart lecture halls with interactive boards and real time recording.



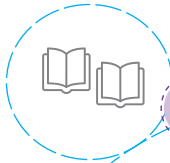


# KDU Library Network



**Library of the Engineering Faculty**

Houses the collection of books and journals pertaining to Engineering. The collection comprises of more than 2000 books and 12 titles of journals.



**Main Library**



Covers a wide range of subjects such as Engineering, Computer Science, Management, Physics, Chemistry, Economics, Law, History, Defence Studies, English Language etc. The Audio Visual Collection covers KDU activities such as International Research Conference, Convocation and KDU sports. Publications on Sri Lankan history, art and culture and other related disciplines are also available.



**Library of the Allied Health Sciences Faculty**

A branch library with modern facilities consisting of over 2200 books which cover the subjects of Medical Laboratory Sciences, Nursing, Pharmacy, Physiotherapy, Radiography and Basic Sciences.



**Library of the Medical Faculty**

Houses the collection of books and journals pertaining to Medical Sciences. The collection comprises more than 2800 books and 12 titles of journals.



**Southern Campus Library**

The collection comprises more than 2000 books covering Spatial Sciences, Architecture, Quantity Surveying, Surveying Sciences and IT.

KDU library network consists of the Main Library, the Faculty Libraries of the Faculty of Medicine (FOM) and the Faculty of Allied Health Sciences (FAHS) and the Southern Campus Library. Further, the entire library network is Wi-Fi enabled with high speed internet connection to allow the students to access the internet, and it provides electronic access to full text databases to facilitate research activities of the University. Also it provides internet-accessible computers to access Electronic Library Catalogues and various web pages related to research activities. Inter library loan, document delivery service, display of new arrivals and photocopying are some of the facilities provided for its users in order to meet the information needs of both students and the staff.



# SPORTS

The prominence given for diverse sports in officer cadet training at KDU exerts a positive influence on our day scholars, and the majority of them with a flair for various sports make use of the excellent facilities and resources available for sharpening their skills. If you are a sports enthusiast, your choice of KDU to read for your degree will ensure an excellent opportunity to excel in both studies and sports at the same time. At KDU, you will get opportunities for taking part in any sport of your choice, and you can compete at the university, national and international levels to gain victories and to earn records.

"Every cadet is an athlete", and every athlete faces challenges. The value of athletic experience to a potential officer has long been recognized. Intramural sports give every officer cadet a chance to develop leadership, strength, co-ordination and endurance. Bearing, discipline and power of command are some of the contributory factors that develop the feeling of pride in officers as effective leaders. Therefore, every officer cadet at KDU participates in a number of sports in addition to their participation in the physical education programme.





# Welcome to the

Faculty of

# Defence and Strategic Studies

## Degree Programme

BSc in Strategic Studies &  
International Relations

Defence and strategic studies is a key area of education at KDU and the responsibilities therein are entrusted to the Faculty of Defence and Strategic Studies (FDSS) functioning under the purview of the Deputy Vice Chancellor (Defence and Administration) of the University. The FDSS consists of two departments, the Department of Defence Studies and the Department of Strategic Studies, which are responsible for carrying out multifaceted academic and military training activities to ensure high quality military education and training for officer cadets as well as for Tri-Service and other relevant personnel in related fields.



## BSc in Strategic Studies & International Relations

### At a glance

Contact : Assistant Registrar

E-mail : arfdss@kdu.ac.lk

Tel : +94-71-0219283

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 700,000.00	USD 3,000.00
Registration fee 3 years (initial registration)	Rs. 2,000.00	LKR. 2,000.00
Library fees	Rs. 2,000.00	LKR. 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR. 4,000.00
Refundable mess deposit	-	-

### Introducing Strategic Studies & International Relations

The Faculty of Defence and Strategic Studies at General Sir John Kotelawala Defence University (KDU) has introduced a new degree programme – B.Sc. in Strategic Studies and International Relations – beginning from the academic year 2020. The Officer Cadets as well as Day Scholars (civilians) will have an opportunity to follow this undergraduate degree programme in the field of International Relations.

This is a hybrid degree programme combining the essentials of both Strategic Studies and International Relations. Strategic Studies is considered a security-oriented sub-discipline of the broader area of International Relations. It gives special attention to traditional as well as non-traditional security challenges. In an era of global disruptions, this is a very useful subject for the understanding of dynamics and complexities in national security and world politics. In addition to Strategic Studies, this degree will also encompass subject matters taught in International Relations degree programmes presently available in other universities. One of the main learning objectives of this degree programme is to cater to the demand for skilled young professionals in the fields of national security, foreign relations, and work in Government and Non-Governmental Organisations in Sri Lanka and abroad. It is imperative for our universities to prepare their students to be able to think creatively and strategically about issues of security and international affairs.

The Faculty of Graduate Studies at General Sir John Kotelawala Defence University offers a Masters Degree Programme in Security & Strategic Studies. This gives an opportunity for graduates of the Bachelor's degree programme to continue their postgraduate studies at the masters degree level.

### Why choose Strategic Studies & International Relations?

Develop necessary theoretical and research skills to analyze and comprehend the dynamics of international politics;

Work in an environment which addresses issues of national security, foreign relations, development, and peace;

Understand the nature of Sri Lanka's interactions with the outside world;

Capitalize upon their unique experience – Officer Cadets and Civilian Day Scholars studying together in the same classrooms for three years – to foster better relations between the civil and military sectors in their professional work in the future.

### Eligibility criteria

#### For Undergraduate Cadetship

1. Being a citizen of Sri Lanka.
2. Being not less than 18 years and not more than 22 years of age on the closing date of applications.
3. Being eligible for university entrance in any stream having fulfilled the following requirements:
  - a) Passing the Common General Test.
  - b) Having a minimum of a Credit (C) pass for English at the GCE (O/L) Examination.
  - c) Being unmarried
  - d) Satisfying the minimum physical standards.

#### For Day Scholars

1. Between 17–24 years of age on the closing date of application.
2. Being Unmarried.
3. Having a Credit (C) pass or above for English Language at GCE (O/L) examination or a Credit (C) pass or above for English Language in London O/Ls or in any other equivalent foreign examination.

Having a minimum of three Simple (S) passes at the GCE (A/L) examination in any stream and being qualified for university admission, or possessing an equivalent qualification in London A/Ls (Cambridge or Edexcel) or in any other equivalent foreign examination.

### Curriculum

#### First Semester

Introduction to International Relations  
Introduction to World Civilisations  
Introduction to Political Science  
Elementary Economics  
Sri Lanka in World Affairs  
History of Sri Lanka  
Written Comprehension  
English: Basic Skills  
Military Studies

Note:

MS courses which earn MGPA's are only for Cadets.

Courses marked with an asterisk (\*) will have 30 Military Credits in total and will be conducted at the respective military academies.

#### Second Semester

International Politics since 1945  
History of the Modern World  
Politics of South Asia  
United Nations and Peace Operations  
Sri Lanka's Military History  
Maritime Security  
Mathematics I  
IT Skills  
English: Intermediate Skills  
Military Studies

#### Third Semester

Theories & Concepts of International Relations  
Introduction to Strategic Studies  
Technology and Changes in Modern Warfare  
Diplomacy as an Instrument of State Power  
Introduction to Public International Law  
Research Methodology  
Mathematics II  
English: Upper-Intermediate Skills  
Strategic & Defence Studies  
Military Studies

#### Fourth Semester

Intelligence and National Security  
Post-Cold War World Order: New Challenges  
Strategic Communication  
Border Security & CBRNe Non-Proliferation  
Human Rights in International Relations  
Leadership, Strategy & Warfare  
Dissertation  
English: Advanced Skills  
Military Studies

#### Fifth Semester

Security in International Relations  
Peace & Conflict Studies  
Regional Integration  
International Political Economy  
Terrorism & Counter Insurgency  
Geopolitics  
Protocol & Soft Diplomacy Skills  
Advanced Military Training\*

#### Sixth Semester

Internship  
Portfolio





# Welcome to the

## Faculty of

# Medicine



Established in 2009, the Faculty of Medicine has been growing rapidly into prominence in the field of medical education in Sri Lanka. It has filled a lacuna of a national military medical institution in Sri Lanka. The faculty trains and graduates military medical cadets as well as foreign civil medical students, converting them, in the process, to be versatile medical educational practitioners capable of displaying skills in a variety of circumstances ranging from rural medicine to practicing in modern hospitals with state-of-the-art technology.

The MBBS degree programme is conducted by well-experienced academic and medical professionals in the country, and expertise from regional and global medical practices is tapped through consultation of renowned international institutions and professionals in the field to continue upgrading the quality of the degree programme. The Faculty of Medicine, KDU is also recognized as a postgraduate training institute by the Postgraduate Institute of Medicine, Colombo. Today, the programme has earned international recognition and the faculty provides opportunities for foreign students from the region to train for the MBBS degree at KDU.



## Degree Programme

Bachelor of Medicine and Bachelor of Surgery  
(MBBS) Degree

## Bachelor of Medicine and Bachelor of Surgery (MBBS)

### At a glance

Contact : Assistant Registrar  
E-mail : fom@kdu.ac.lk  
Tel : +94-71-0219365

### Course fee structure

Item	Officer Cadet	Foreign Students (USD) Per Annum
Tuition fee	-	USD 12,500.00
Registration fee 5years (initial registration)	-	-
Library fees	-	LKR 2,000.00
Refundable library deposit	-	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing Bachelor of Medicine and Bachelor of Surgery (MBBS)

The Faculty conducts its MBBS Degree programme under three departments; Department of Pre-clinical Sciences, Department of Para-clinical Sciences & Department of Clinical Sciences. The Pre-clinical Department conducts teaching in Anatomy, Physiology and Biochemistry. The Para-clinical Department conducts teaching in Microbiology, Parasitology, Forensic Medicine, Pharmacology, Public Health & Family Medicine and Pathology. The Clinical Department conducts teaching in Medicine, Surgery, Paediatrics, Obstetrics & Gynaecology and Psychiatry. The MBBS degree programme is conducted by well-experienced academic and medical professionals in the country, and expertise from regional and global medical practices is tapped through consultation of renowned international institutions and professionals in the field to continue upgrading of the quality of the degree programme. Today, the programme has earned international recognition and the faculty provides opportunities for foreign students from the region to train for the MBBS degree at KDU.



### Why choose Bachelor of Medicine and Bachelor of Surgery (MBBS)?

The largest foreign undergraduate student population to study medicine in Sri Lanka.

The student population consists of foreign students from SAARC & non- SAARC countries.

The only university to own a University Hospital with the state-of-the-art facilities to provide clinical training for students.

Availability of laboratories enriched with new facilities and equipment.  
Opportunity to excel in research.

### Eligibility criteria

#### For Officer Cadets

The candidate needs to have followed Biology Stream & obtained at least minimum three simple passes (S) at the G.C.E. (A/L) examination in each of the three subjects, Chemistry, Biology and Physics and be qualified for university admission.

#### For students with foreign qualifications

The academic standards required to be possessed by the applicants who have followed London, Cambridge & Edecelx A/L or equivalent examination in one and the same sitting as follows.

A minimum of 'C' Grade for all compulsory subjects such as Biology, Chemistry, Physics & Mathematics.

Need to secure a minimum of 04 marks in a calculation system which awards 03 marks for an 'A/A' Grade, 02 marks for a 'B' Grade, 01 mark for a 'C' Grade."

(For further information please visit [www.kdu.ac.lk/Faculty-of-Medicine](http://www.kdu.ac.lk/Faculty-of-Medicine))

### Curriculum

#### First Year

Anatomy  
Physiology  
Biochemistry

#### Second Year

Anatomy  
Biochemistry  
Physiology  
Microbiology  
Parasitology  
Public Health & Family Medicine  
Pathology  
Pharmacology

#### Third Year

Microbiology  
Parasitology  
Public Health & Family Medicine  
Forensic Medicine  
Pathology  
Pharmacology  
Public Health & Family Medicine  
Forensic Medicine  
Pathology  
Pharmacology  
Medicine  
Obstetrics & Gynaecology  
Paediatrics  
Surgery

#### Fourth Year

Public Health & Family Medicine  
Forensic Medicine  
Pathology  
Pharmacology  
Medicine  
Obstetrics & Gynaecology  
Paediatrics  
Surgery

#### Fifth Year

Medicine  
Obstetrics & Gynaecology  
Paediatrics  
Surgery  
Psychiatry





# Welcome to the Faculty of **Engineering**



The Faculty of Engineering consists of six departments. The Department of Aeronautical Engineering, Department of Civil Engineering, Department of Electrical, Electronic and Telecommunication Engineering, Department of Marine Engineering, Department of Mechanical Engineering, Department of Mathematics and the Industrial Training Unit. The Faculty offers Bachelor of Science (BSc) Engineering degrees of duration of four and half years for service cadets and of four years for Day Scholars. The faculty has been offering degrees to foreign students of the SAARC region, and it is now open for all friendly countries on a fee levying basis. The academic programmes conducted by the faculty maintain very high standards to be on a par with Engineering Faculties of reputed Universities.

## **Degree Programmes**

BSc Eng. (Hons) in Aeronautical Engineering

BSc Eng. (Hons) in  
Aircraft Maintenance Engineering

BSc Eng. (Hons) in Biomedical Engineering

BSc Eng. (Hons) in Civil Engineering

BSc Eng.(Hons) in  
Electrical & Electronic Engineering

BSc Eng. (Hons) in  
Electronic & Telecommunication Engineering

BSc Eng. (Hons) in Mechanical Engineering

BSc Eng.(Hons) in Mechatronic Engineering

BSc Eng.(Hons) in Marine Engineering



## BSc Eng. (Hons) in Aeronautical Engineering

At a glance				
Contact	: Senior Assistant Registrar			
E-mail	: arfoe@kdu.ac.lk			
Tel	: +94-71-0219366			
Course fee structure				
Item	Local Students (LKR)	Foreign Students (USD) Per Annum		
Tuition fee	Rs.1,950,000.00	USD 8,000.00		
Registration fee 4 years (initial registration)	-	-		
Library fees	Rs. 2,000.00	LKR 2,000.00		
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00		
Refundable mess deposit	-	-		

### Introducing BSc in Engineering in Aeronautical Engineering

The subject of Aeronautical Engineering is having a broad scope, ranging from design considerations of aircraft and related systems, and their operation and maintenance. The broad subject areas covered during this programme include aircraft structures, propulsion, flight stability and control, aerodynamics, aeronautical lab, aircraft materials and hardware, maintenance practices and weapons technology. Practical training is provided with in-house laboratory facilities and by utilizing actual aircraft available in the department. A strong practical base is supported by conducting field visits and training at aircraft engineering and flying formations of the Sri Lanka Air Force.

The Programme is conducted by well qualified internal and external academic staff, having specialization in a variety of distinct sub-disciplines within Aeronautical Engineering field. Further, this programme promotes research culture, industry collaboration and development of the aviation field both locally and internationally.

Successful completion of the Aeronautical Engineering degree programme will lead to the degree of Bachelor of Science in Engineering in Aeronautical Engineering in the Aviation and Aircraft Design and Manufacturing industry. In case of military students, it prepares the Officer Cadets for a wide variety of assignments in research and development, testing and operations in the discipline of the Sri Lanka Air Force.

### Why choose BSc in Engineering in Aeronautical Engineering?

The Department of Aeronautical Engineering of KDU is the premier institute in higher education in the field, which was formed in 1991 to cater to the demand of qualified Aeronautical Engineers for Sri Lanka Air Force. So far we have produced more than 200 engineers who are maintaining the Sri Lanka Air Force Aircraft Fleet. The Department was further enhanced in 2012, by commencing the production of graduates for the civil sector, still as the pioneer in the field. In terms of infrastructure, the department is well-equipped with all kinds of laboratory and workshop facilities for productive practical training. It consists of:

Mi-24 Helicopter Wind Tunnel Engine Models  
Gyroscope Apparatus NDT Apparatus  
Structural Repair Training Facilities

Upon successful completion of the degree programme, Graduates will be able to,

- Engineering Knowledge:** Apply knowledge of mathematics, basic sciences and engineering sciences to Aeronautical Engineering practices.
- Problem Analysis:** Investigate and analyze complex Aeronautical Engineering problems with scientific research methods and engineering knowledge.
- Design / Development of solutions:** Design systems, components and processes complying with relevant standards.
- Investigations:** Conduct investigations of complex problems using research-based knowledge and research methods
- Modern Tool Usage:** Apply computational, laboratory, field techniques and IT tools in Aeronautical Engineering activities.
- The Engineer and Society:** Assess social, health, safety, legal and cultural issues related to Aeronautical Engineering practices and propose integrated solutions.
- Sustainability & Environment:** Provide practical and sustainable solutions for Aeronautical Engineering problems.
- Ethics:** Conduct engineering practices while adhering to professional and ethical responsibilities.
- Individual and Teamwork:** Function as an individual and as a leader or a member in multi-disciplinary teams.
- Communication:** Communicate effectively with engineering community and society at large.
- Project Management and Finance:** Apply knowledge of management and business practices in the Aeronautical Engineering context.
- Lifelong learning:** Engage in continuous professional development and lifelong learning.

### Eligibility criteria

#### Local candidates must:

Have passed all three subjects in the mathematics stream in one sitting at the Sri Lanka GCE A/L examination with two credits (including one for physics).

Applicant should be below 24 years of age.

#### Foreign candidates must:

Have passed foreign educational qualifications, equivalent to the above GCE A/L requirement as decided by KDU, Have a credit pass for English in any sitting of the Sri Lanka GCE O/L examination. A score in the International English Language Testing System (IELTS) or Test of English as a Foreign Language (TOEFL) as stipulated by KDU will also be considered acceptable to satisfy the English requirement.

### Curriculum

#### First Semester

Fundamentals of Civil Engineering  
Fundamentals of Electrical Engineering  
Basic Electronics  
Mathematics  
Workshop Technology  
Engineering Drawing  
Basic Computer Programming and Networking  
English: Basic Study skills (Engineering)  
Military Studies

#### Intermediate Term 1

Sinhala: Basics for Beginners  
Tamil: Basics for Beginners  
Mathematical Software

#### Second Semester

Airframe Systems  
Structural Mechanics I  
Fluid Mechanics I  
Fundamentals of Thermodynamics  
Engineering Materials  
Applied Mechanics  
Calculus  
English: Advanced Study Skills (Engineering)  
Military Studies

#### Third Semester

Airbreathing Propulsion I  
Structural Mechanics II  
Manufacturing Systems  
Dynamics of Mechanical Systems  
Electrical Measurements & Electronic Instrumentation  
Applied Thermodynamics  
Advanced Calculus  
Computer Aided Drafting  
English Writing & Speaking Skills (Engineering)  
Strategic and Defence Studies  
Military Studies

#### Fourth Semester

Aeronautical Fluid Dynamics  
Avionics I  
Human Factors  
Numerical Methods & Complex Variables  
Control Systems Engineering  
Heat & Mass Transfer  
Physical Metallurgy  
Mechanics of Machines  
English Research Writing Skills (Engineering)

Presentation Skills Development Project  
Military Studies

#### Intermediate Term 2

Industrial Visits & Report Writing  
Field Specific Software (Solid works, FEA)  
Humanities Elective I  
Humanities Elective II

#### Fifth Semester

Aircraft Performance & Static Stability  
Aircraft Structures  
Professional Ethics  
Machine Elements in Design  
Advanced Control Systems  
Principles of Management  
Applied Statistics

#### Sixth Semester

Airbreathing Propulsion II  
Maintenance Practices  
Rotorcraft Aeromechanics  
Advanced Aerodynamics  
Aviation Research & Design  
Computational Fluid Dynamics  
Business Economics & Financial Accounting

### Industrial Training - 6 Months

#### Seventh Semester

Aircraft Composite Materials  
Aeronautics Laboratory  
Avionics II  
Aircraft Armament & Guided Weapons (only for Officer Cadets)  
Aviation Quality Management (only for Day Scholars)  
Research Project  
Human Resource Management and Industrial Relations

#### Eighth Semester

Research Project  
Air Force Engineering Management (only for Officer Cadets)  
Aviation Management (only for Day Scholars)  
Commercial & Aviation Law  
Industrial Engineering



## BSc (Hons) in Aircraft Maintenance

### At a glance

Contact : Senior Assistant Registrar  
E-mail : arfoe@kdu.ac.lk  
Tel : +94-71-0219366

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.2,250,000.00	USD 31,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Top-up Degree Programme

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,200,000.00	USD 12,000.00
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing BSc (Hons) in Aircraft Maintenance

This degree is conducted for civilian undergraduates in partnership with Sri Lankan Airlines. The undergraduates will follow the EASA certified B 1.1 or B2 course at Sri Lankan Aviation College (SLAC) and upon successful completion, they will continue another one and a half years of academics at KDU. During this period, they will also complete the OJT of 24 weeks at SLAC. On successful completion of this process, the graduates will be competent in aircraft maintenance in the Mechanical or Avionics field and be eligible to obtain a BSc in Aircraft Maintenance degree and an EASA license with only two years of practical experience in an EASA approved 145 Maintenance Repair and Overhaul (MRO) facility. The full-timers and the top-up candidates both will be highly employable in the industry as they possess a Bachelor's degree along with eligibility to have an EASA Aircraft Maintenance Licence. Any operator would love to have such a product in their organizations mainly due to the versatility of the professional and the academic exposure.

### Introducing BSc in Aircraft Maintenance (Top-up degree programme)

KDU also offers a lateral entry option to candidates who have completed all EASA modules under category B1.1 or B2 basic course at Sri Lankan Aviation College (SLAC). They must also have fulfilled the university entrance qualifications at an Advanced Level Examination to join the top-up degree at KDU.

### Why choose BSc (Hons) in Aircraft Maintenance?

Upon successful completion of the degree programme, Graduates will be able to,

- Engineering Knowledge:** Apply knowledge of mathematics, basic sciences, engineering sciences and aircraft maintenance practices.
- Problem Analysis:** Investigate and analyze complex aircraft maintenance problems with scientific research methods and engineering knowledge.
- Design / Development of solutions:** Design systems, components and processes complying with relevant standards.
- Investigations:** Conduct investigations of complex problems using research-based knowledge and research methods
- Modern Tool Usage:** Apply computational, laboratory, field techniques and IT tools in aircraft maintenance activities.
- The Engineer and Society:** Assess social, health, safety, legal and cultural issues related to aircraft maintenance practices and propose integrated solutions.
- Sustainability & Environment:** Provide practical and sustainable solutions for Aeronautical Engineering problems.
- Ethics:** Conduct engineering practices while adhering to professional and ethical responsibilities.
- Individual and Teamwork:** Function as an individual and as a leader or a member in multi-disciplinary teams.
- Communication:** Communicate effectively with engineering community and society at large.
- Project Management and Finance:** Apply knowledge of management and business practices in the aircraft maintenance context.
- Life-long learning:** Engage in continuous professional development and life-long learning.

### Eligibility criteria

#### BSc (Hons) in Aircraft Maintenance

##### Local candidates must:

Have passed all three subjects in one sitting at the Sri Lanka GCE A/L examination with two credits (including one for physics) from Mathematics and BioScience streams.  
Be below 24 years of age.

##### Foreign candidates must:

Have passed foreign educational qualifications, equivalent to the above GCE A/L requirement as decided by KDU,  
Have a credit pass for English in any sitting of the Sri Lanka GCE O/L examination. A score in the International English Language Testing System (IELTS) or Test of English as a Foreign Language (TOEFL) as stipulated by the KDU will also be considered acceptable to satisfy the English requirement.

#### BSc (Hons) in Aircraft Maintenance Top-up degree programme

##### Local candidates must:

Have completed all EASA modules under either category B1.1 or B2 basic course at SLAC.  
Have passed all three subjects in one sitting at the Sri Lanka GCE A/L examination with two credits (including one for physics) from Mathematics and BioScience streams.  
Be below 28 years of age.

##### Foreign candidates must:

Have completed all EASA modules under either category B1.1 or B2 basic course at SLAC.  
Have passed foreign educational qualifications, equivalent to the above requirement as decided by KDU,  
Have a credit pass for English in any sitting of the Sri Lanka GCE O/L examination or a score in the International English Language Testing System (IELTS) or Test of English as a Foreign Language (TOEFL) as stipulated by KDU.

### Curriculum

#### SLAC

#### B2

Mathematics  
Physics  
Electrical Fundamentals I  
Electronic Fundamentals I  
Digital Techniques/ Electronic Instrument Systems I  
Materials and Hardware I  
Maintenance Practices I

#### Basic Aerodynamics I

Human Factors  
Aviation Legislation  
Aircraft Aerodynamics, Structures and Systems IA  
Aircraft Aerodynamics, Structures and Systems IB  
Propulsion I

#### B1.1

Mathematics  
Physics  
Electrical Fundamentals I  
Electronic Fundamentals I  
Digital Techniques/ Electronic Instrument Systems I  
Materials and Hardware I  
Maintenance Practices I

Basic Aerodynamics I  
Human Factors  
Aviation Legislation  
Aircraft Aerodynamics, Structures and Systems IA  
Aircraft Aerodynamics, Structures and Systems IB  
Gas Turbine Engines I  
Propeller I

### KDU

Quality Management Systems  
Mathematics  
Basic Programming and Networking  
English: Advanced Study Skills  
Electrical Measurements and Electronics Instrumentation (for B2)  
Physical Metallurgy (for B1.1)  
Aviation Research & Design  
Communication Skills Development  
Maintenance Operations in Aviation  
Field Specific Software (Solid modelling)

Aircraft Accident Investigation & Response  
Total Productive Maintenance  
Aviation Management  
Commercial and Aviation Law  
Research Project  
Operational Research  
Humanities Elective II (Human Rights)

Workshop and Hangar Practices II  
Human Resource Management and Industrial Relations  
Aircraft Composite Materials  
Aviation Quality Management  
Research Project  
Probability and Statistics  
Humanities Elective I (Photography)  
Aviation Safety Management Systems



## BSc Eng. (Hons) in Biomedical Engineering

### At a glance

Contact : Senior Assistant Registrar  
E-mail : arfoe@kdu.ac.lk  
Tel : +94-71-0219366

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,950,000.00	USD 8,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing BSc in Biomedical Engineering

The Department of Electrical, Electronic & Telecommunication Engineering of the Faculty of Engineering conducts the 4-year degree programme of BSc in Biomedical Engineering. The programme is designed to impart knowledge and skills related to Biomedical Engineering through academic training with exposure to industry environment.

The programme has been designed by a panel consisting of senior academics and professionals of reputed academic institutions in Sri Lanka in order to fulfill the requirements specified by main accreditation bodies such as IESL in Sri Lanka. The university ensures high academic standard and facilitates for the undergraduate to complete their degree programme within 4 years.

On completion of the degree programme, graduates will be capable of solving complex engineering problems, utilizing resources efficiently for sustainable development, adapting to the changing environment through self-learning, functioning as a socially responsible engineer, thinking creativity and innovatively, leading an organization based on knowledge, experience, and managing complex situations and conflicts.

### Why choose BSc in Biomedical Engineering?

1. Internationally recognized higher education programme in the region in the fields Biomedical Engineering.
2. Excellent high quality learner-centered education.
3. State-of-the-art infrastructure, research facilities and highly disciplined environment.

4. Excellent curriculum developed through industry-academia echo system in order to create more opportunities in industry as well as in academia.

### Eligibility criteria

Minimum of 2 'C' passes and 1 'S' pass in GCE Advanced Level (Local) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting  
Or

Minimum of 2 'B' passes and 1 'C' pass in GCE Advanced Level (Cambridge or Edexcel) covering Combined Mathematics, Physics and Chemistry in one and the same sitting.

### Curriculum

#### First Semester

Fundamentals of Electrical Engineering  
Basic Electronics  
Basic Computer Programming and Networking  
Fundamentals of Civil Engineering  
Mathematics  
Workshop Technology  
Engineering Drawing  
English: Basic Study Skills (Engineering)  
Military Studies

#### Intermediate Term 1 (4 weeks)

Mathematical Software  
Sinhala for Beginners  
Tamil for Beginners

#### Second Semester

Introduction to Biomedical Engineering  
Introductory Biology  
Introductory Chemistry  
General Physics I  
Theory of Electricity  
Calculus  
Applied Mechanics  
Object Oriented Programming  
English - Advanced Study Skills  
Military Studies

#### Third Semester

Human Anatomy  
Biochemistry  
General Physics II  
Electronic Circuits  
Signals and Systems  
Electrical Machine and Drives I  
Advanced Calculus  
Computer Aided Drafting  
English - Writing and Speaking Skills  
Strategic & Defence Studies  
Military Studies

#### Fourth Semester

Human Physiology  
Biophysics  
Instrumental Methods in Life & Biomedical Sciences  
Medical Instrumentation I  
Physiological Control Systems I  
Biomedical Digital Signal Processing I  
Advanced Programming  
Numerical Methods & Complex Variables  
Presentation Skill Development Project  
Military Studies

#### Intermediate Term 2 (9 Weeks)

Engineering Product Design  
Administrative Engineering  
Humanities Elective I  
Humanities Elective II

#### Fifth Semester

Physics of Radiology  
Physiological Control Systems II  
Biomechanics I  
Molecular Biotechnology  
Applied Statistics  
Principles of Management  
Professional Ethics

#### Sixth Semester

Image Processing  
Immunology and microbiology  
Hospital safety and Maintenance Engineering  
Medical Instrumentation II  
Biomedical Digital Signal Processing II  
Biotelemetry  
Business Economics and Financial Accounting

#### Industrial Training - 6 Months

#### Seventh Semester

Medical Instrumentation III  
Prosthetic Design  
Research Writing Skills  
Human Resource Management & Industrial Relations

#### Eighth Semester

Research Project  
Biomaterials  
Commercial & Industrial Law

#### Elective Basket 1

Entrepreneurship  
Electrical Installation  
Medical Instrumentation IV  
Power Electronic and Applications  
Rehabilitation Engineering  
Medical Image Processing  
Medical Informatics and Expert Systems  
Machine Vision  
Tissue Engineering  
Neural Engineering  
Bioinformatics

#### Elective Basket 2

Nanotechnology  
Medical Instrumentation IV  
Rehabilitation Engineering  
Bioinformatics  
Medical Image Processing  
Machine Vision  
Tissue Engineering  
Biomechanics II  
Medical Informatics and Expert Systems  
Finite Element Modelling  
Neural Engineering





## BSc Eng. (Hons) in Civil Engineering

At a glance		
Contact	: Senior Assistant Registrar	
E-mail	: arfoe@kdu.ac.lk	
Tel	: +94-71-0219366	
Course fee structure		
Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,950,000.00	USD 8,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing BSc in Civil Engineering

This four year full-time undergraduate programme aims at imparting skills and knowledge in Civil Engineering to the students and developing in them competencies required for professional Civil Engineers. In addition to the academic studies, the undergraduates are exposed to the industrial environment through project work, industrial training, survey camp and Industrial visits. The wide range of competencies required by the graduates as professional engineers and military officers are developed through inter-disciplinary studies in fields of Management, Law, Languages, Information Technology etc. Students need to earn 135 GPA Credits and 18 NGPA Credits and Engineering Officer Cadets require additional 35 MGPA Credits on top of the above for graduation.

### Why choose BSc in Civil Engineering?

Civil Engineering is the professional practice of designing and developing infrastructure projects. Civil engineers are concerned with designing, building, and maintaining man-made constructions. This can include roads, bridges, canals, dams, buildings, and more at both small/ local scales to large-scaled projects.

The main reasons for studying Civil Engineering include the following.

1. Working in an exciting environment: by studying civil engineering, you are involved in the entire product development process. From the beginning of the project design, to bringing it to life and maintaining it – civil engineers are always needed!
2. Studies include a high level of hands-on experience: The civil engineering degree includes

industrial training in the actual work environment which gives a Civil Engineering undergraduate a feeling of what is meant to be a professional Civil Engineer.

3. Choose from many postgraduate options: if you are interested in further studies, there are many opportunities for postgraduate studies in diverse fields related to Civil Engineering.

### Eligibility criteria

A minimum of 2 'C' passes and 1 'S' pass in GCE Advanced Level (Local) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting  
Or  
A minimum of 2 'B' passes and 1 'C' pass in GCE Advanced Level (Cambridge or Edexcel) covering Combined Mathematics, Physics and Chemistry in one and the same sitting.

### Curriculum

#### First Semester

Fundamentals of Civil Engineering  
Mathematics  
Basic Computer Programming and Networking fundamentals  
Workshop Technology  
Engineering Drawing  
Fundamentals of Electrical Engineering  
Basic Electronic  
English : Basic Study Skill (Engineering)  
Military Studies

#### Intermediate Term 1 (4 weeks)

Mathematical Software  
Sinhala for Beginners  
Tamil for Beginners

#### Second Semester

Building Construction and Material  
Soil Mechanics & Geology  
Structural Mechanics I  
Fluid Mechanics I  
Fundamentals of Thermodynamics  
Calculus  
Applied Mechanics  
English: Advanced Study Skills (Engineering)  
Military Studies

#### Third Semester

Structural Mechanics II  
Fundamentals of Transportation Engineering  
Surveying I  
Engineering Hydrology  
Structural Analysis I  
Concrete Technology

Advanced calculus  
Computer Aided Drafting  
English: Writing & Speaking Skills (Engineering)  
Strategic & Defence Studies  
Military Studies

#### Fourth Semester

Hydraulic Engineering  
Environmental Engineering I  
Structural Analysis II  
Surveying II  
Design of Timber & Masonry Structures  
Highway Engineering  
Numerical Methods & Complex Variables  
English: Research Writing Skills  
Presentation Skill Development Project  
Military Studies

#### Intermediate Term 2 (9 Weeks)

Industrial visits & report writing  
Survey camp  
Humanities Elective I  
Humanities Elective II

#### Fifth Semester

Fluid Mechanics II  
Environmental Engineering II  
Design of Concrete Structures I  
Construction Planning & Cost Estimating  
Professional Ethics  
Principles of Management  
Applied Statistics  
Technical Elective I

#### Sixth Semester

Geotechnical Engineering  
Construction Management  
Research Methodology  
Design of Steel Structures  
Design of Concrete Structures II  
Construction Technology  
Individual Research Project  
Business Economics & Financial Accounting

#### Industrial Training - 6 Months

#### Seventh Semester

Hydraulic Design  
Geotechnical Design  
Building Services Engineering  
Individual Research Project  
Comprehensive Design Project  
Human Resource Management & Industrial Relations  
Technical Elective II

#### Eighth Semester

Individual Research Project  
Comprehensive Design Project  
Engineering Economics  
Commercial & Industrial Law  
Technical Elective III



## BSc Eng.(Hons) in Electrical & Electronic Engineering

### At a glance

Contact : Senior Assistant Registrar  
E-mail : arfoe@kdu.ac.lk  
Tel : +94-71-0219366

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,950,000.00	USD 8,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing BSc in Electrical & Electronic Engineering

The department of Electrical, Electronic & Telecommunication Engineering of the Faculty of Engineering conducts the 4-year degree programme in BSc in Engineering in Electrical & Electronic Engineering. The programme is designed to impart knowledge and skills related to Electrical & Electronics Engineering through academic training with exposure to industry environment.

The programme has been designed by a panel consisting of senior academics and professionals of reputed academic institutions in Sri Lanka in order to fulfill the requirements specified by main accreditation bodies such as IESL in Sri Lanka. The faculty ensures high academic standard and facilitates the undergraduates to complete the degree programme within 4 years.

On completion of the degree programme, graduates will be capable of solving complex engineering problems, utilizing resources efficiently for sustainable development, adapting to the changing environment through self-learning, functioning as a socially responsible engineer, thinking creatively and innovatively, leading an organization based on knowledge and experience and managing complex situations and conflicts.

### Why choose BSc in Electrical & Electronic Engineering?

1. Internationally recognized higher education programme in the region in the fields Electrical and Electronic Engineering.
2. Excellent high quality learner-centered education.
3. State of the art infrastructure and research facilities.
4. Highly disciplined environment.
5. Excellent curriculum developed through

industry-academia echo system in order to create more opportunities in industry as well as in academia.

### Eligibility criteria

A minimum of 2 'C' passes and 1 'S' pass in GCE Advanced Level (Local) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting  
Or

A minimum of 2 'B' passes and 1 'C' pass in GCE Advanced Level (Cambridge or Edexcel) covering Combined Mathematics, Physics and Chemistry in one and the same sitting.

### Curriculum

#### First Semester

Fundamentals of Electrical Engineering  
Basic Electronics  
Mathematics  
Workshop Technology  
Engineering Drawing  
Basic Computer Programming and Networking  
Fundamentals of Civil Engineering  
English: Basic Study Skills (Engineering)  
Military Studies

#### Intermediate Term 1 (4 weeks)

Sinhala for Beginners  
Tamil for Beginners  
Mathematical Software

#### Second Semester

Theory of Electricity  
Electronic Systems I  
Introduction to Telecommunication  
Fundamentals of Thermodynamics  
Applied Mechanics  
Calculus  
Object oriented Programming  
English - Advanced Study Skills (Engineering)  
Military Studies

#### Third Semester

Electrical Machines and Drives I  
Power Systems I  
Electrical Measurements and Electronic Instrumentation  
Electrical Properties of Materials  
Signals and Systems  
Electronic Systems II  
Advanced Calculus  
Computer Aided Drafting  
English - Writing and Speaking Skills (Engineering)  
Strategic and Defence Studies  
Military Studies

#### Fourth Semester

Power Systems II  
Electromagnetics  
Communication Theory I  
Microprocessors Microcontrollers & Embedded Systems  
Numerical methods & Complex Variables  
Control Systems Engineering  
English- Research Writing Skills (Engineering)  
Presentation Skill Development Project  
Military Studies

#### Intermediate Term 2 (9 Weeks)

Industrial Visits & Report Writing  
Individual Design Projects\*\*  
Humanities Elective I  
Humanities Elective II

#### Fifth Semester

High Voltage Engineering I  
Electrical Installation I  
Electrical Machines & Drives II  
Energy Studies and Environment  
Applied Statistics  
Professional Ethics  
Principles of Management  
Technical Elective I

#### Sixth Semester

Electrical Installation II  
Power Electronics and Applications I  
Renewable Energy Systems  
Power System Protection  
Technical Elective II  
Research Methodology  
Business Economics & Financial Accounting

#### Industrial Training - 6 Months

#### Seventh Semester

Machines and Drives III  
Robotics  
Research Project\*  
Power Electronics and Applications II  
Human Resource Management and Industrial Relations  
Technical Elective III  
Technical Elective IV

#### Eighth Semester

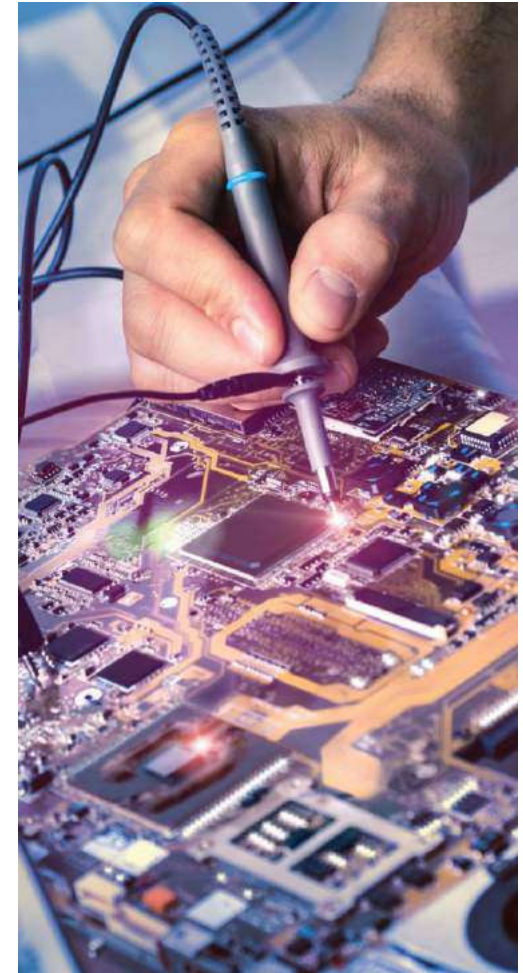
Research Project  
High Voltage Engineering II  
Power System III  
Technical Elective V  
Commercial & Industrial Law

Note:

\*\*Individual Design Project

Prior to Individual Design Project students will undergo two workshops meant for preliminary skill development on:

- A. Introduction to development platforms and programming
- B. Project report writing





## BSc Eng. (Hons) in Electronic & Telecommunication Engineering

### At a glance

Contact	: Senior Assistant Registrar
E-mail	: arfoe@kdu.ac.lk
Tel	: +94-71-0219366

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,950,000.00	USD 8,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing BSc in Electronic & Telecommunication Engineering

The department of Electrical, Electronic & Telecommunication Engineering of the Faculty of Engineering conducts the 4-year degree programme in BSc in Engineering in Electronics & Telecommunication Engineering. The programme is designed to impart knowledge and skills related to Electronics & Telecommunication Engineering through academic training with exposure to industry environment.

The programme has been designed by a panel consisting of senior academics and professionals of reputed academic institutions in Sri Lanka in order to fulfill the requirements specified by main accreditation bodies such as IESL in Sri Lanka. The university ensures high academic standard and facilitates the undergraduate to complete their degree programme within 4 years.

On completion of the degree programme, graduates will be capable of solving complex engineering problems, utilizing resources efficiently for sustainable development, adapting to the changing environment through self-learning, functioning as a socially responsible engineer, thinking creatively and innovatively, leading an organization based on knowledge and experience and managing complex situations and conflicts.

### Why choose BSc in Electronics & Telecommunication Engineering?

1. Internationally recognized higher education programme in the region in the fields Electronics & Telecommunication Engineering.
2. Excellent high quality learner-centered education.

3. State-of-the-art infrastructure and research facilities.
  4. Highly disciplined environment.
- Excellent curriculum developed through industry-academia echo system in order to create more opportunities in industry as well as in academia.

### Eligibility criteria

A minimum of 2 'C' passes and 1 'S' pass in GCE Advanced Level (Local) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting  
Or  
A minimum of 2 'B' passes and 1 'C' pass in GCE Advanced Level (Cambridge or Edexcel) covering Combined Mathematics, Physics and Chemistry in one and the same sitting.

### Curriculum

#### First Semester

Fundamentals of Electrical Engineering  
Basic Electronics  
Mathematics  
Workshop Technology  
Engineering Drawing  
Basic Computer Programming and Networking  
Fundamentals of Civil Engineering  
English : Basic Study Skills (Engineering)  
Military Studies

#### Intermediate Term 1 (4 weeks)

Sinhala for Beginners  
Tamil for Beginners  
Mathematical Software

#### Second Semester

Theory of Electricity  
Electronic Systems I  
Introduction to Telecommunication  
Fundamentals of Thermodynamics  
Applied Mechanics  
Calculus  
Object oriented Programming  
English - Advanced Study Skills (Engineering)  
Military Studies

#### Third Semester

Electrical Machines and Drives I  
Power Systems I  
Electrical Measurements and Electronic Instrumentation  
Electrical Properties of Materials  
Signals and Systems  
Electronic Systems II  
Advanced Calculus  
Design Software  
English - Writing and Speaking Skills (Engineering)  
Strategic and Defence Studies  
Military Studies

#### Fourth Semester

Electromagnetics  
Random Signals and Processes  
Communication Theory I  
Microprocessors, Microcontrollers & Embedded Systems  
Control Systems Engineering  
Numerical Methods and Complex Variables  
English: Research Writing Skills (Engineering)  
Presentation Skill Development Project  
Military Studies

#### Intermediate Term 2 (9 Weeks)

Industrial Visits & Report Writing  
Individual Design Project \*\*  
Humanities Elective I  
Humanities Elective II

#### Fifth Semester

Antennas and Propagation  
Digital Signal Processing  
Engineering Product Design  
Professional Ethics  
Applied Statistics  
Principles of Management

#### Sixth Semester

Wireless Communication I  
Communication Theory II  
Microwave Engineering  
Power Electronics and Applications I  
Research Methodology  
Technical Elective III  
Business Economics & Financial Accounting

#### Industrial Training - 6 Months

#### Seventh Semester

Technical Elective IV  
Technical Elective V  
Digital Systems Design  
Machine learning  
Radar & Navigation Engineering  
Research Project\*  
Human Resource Management and Industrial Relations  
Wearable Electronics (Optional)

#### Eighth Semester

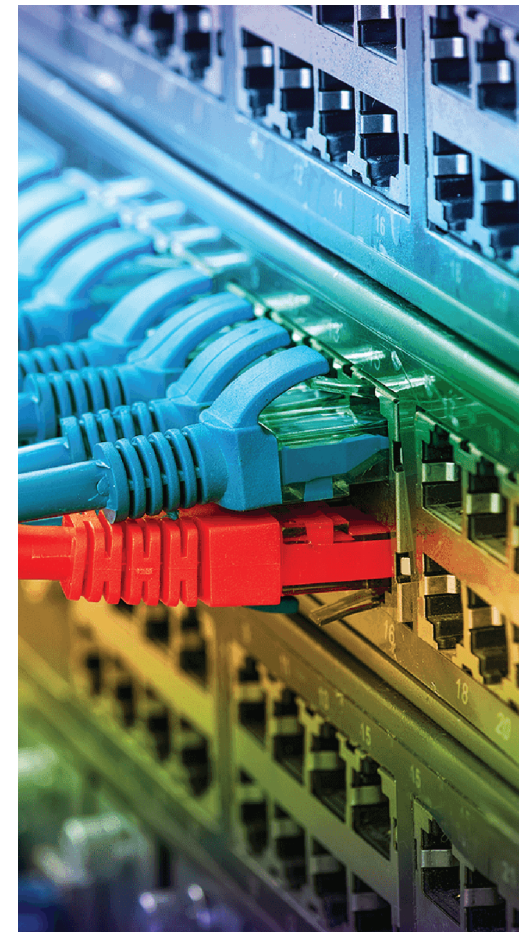
Research Project  
Communication Theory III  
Technical Elective VI  
Technical Elective VII  
Commercial & Industrial law

Note:

\*\*Individual Design Project

Prior to Individual Design Project students will undergo two workshops meant for preliminary skill development on;

- A. Introduction to development platforms and programming
- B. Project report writing



## BSc Eng. (Hons) in Mechanical Engineering

### At a glance

Contact	: Senior Assistant Registrar
E-mail	: arfoe@kdu.ac.lk
Tel	: +94-71-0219366

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,950,000.00	USD 8,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing BSc in Mechanical Engineering

This four-year undergraduate programme aims to impart competencies on Mechanical Engineering related to Design, Manufacturing, Control Systems, Industrial Engineering, Energy Engineering and Automobile Engineering so that the graduates are well equipped to become competent Mechanical Engineers. Students need to earn 135 GPA Credits and 16 NGPA credits for graduation while Engineering officer cadets in this stream require further 35 MGPA Credits

### Why choose BSc in Mechanical Engineering?

Mechanical Engineers build the world around us. From the tiniest nanotechnology, through to cars and buildings, to airplanes and space stations, mechanical engineers are responsible for the design and development of many things. Studying mechanical engineering is a combination of science, mathematics, and computing.

One of the most diverse and versatile engineering fields, mechanical engineering is the study of objects and systems in motion. As such, the field of mechanical engineering touches virtually on every aspect of modern life, including the human body, a highly complex machine. A career in mechanical engineering allows you to build a better future for you and for the world. Higher percentage of engineers have high levels of job satisfaction and would choose the same career path again.

Mechanical engineers design and build solutions to a range of problems, improving efficiency across a wide range of industries. By studying mechanical engineering, students can look forward to good job prospects, high salaries, and varied work. Mechanical engineers are always in demand for jobs such as Aerospace engineer, Automotive engineer, Control and

instrumentation engineer, Maintenance engineer, Mechanical engineer, Nuclear engineer etc.

### Eligibility criteria

A minimum of 2 'C' passes and 1 'S' pass in GCE Advanced Level (Local) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting  
Or

A minimum of 2 'B' passes and 1 'C' pass in GCE Advanced Level (Cambridge or Edexcel) covering Combined Mathematics, Physics and Chemistry in one and the same sitting.

### Curriculum

#### First Semester

Workshop Technology  
Engineering Drawing  
Fundamentals of Civil Engineering  
Fundamentals of Electrical Engineering  
Basic Electronics  
Mathematics  
Basic Computer Programming and Networking  
English: Basic Study Skills (Engineering)  
Military Studies

#### Intermediate Term 1 (4 Weeks)

Mathematical Software  
Sinhala/Tamil for Beginners

#### Second Semester

Fundamentals of Thermodynamics  
Engineering Materials  
Applied Mechanics  
Structural Mechanics I  
Fluid Mechanics I  
Theory of Electricity  
Calculus  
English: Advanced Study Skills (Engineering)  
Military Studies

#### Third Semester

Computer Aided Drafting  
Applied Thermodynamics  
Manufacturing Systems Dynamics  
Mechanical Systems  
Structural Mechanics II  
Electrical Machines & Drives I  
Electrical Measurements & Electronic Instrumentations  
Advanced Calculus  
English: Writing & Speaking Skills (Engineering)  
Strategic & Defence Studies  
Military Studies

#### Fourth Semester

Physical Metallurgy  
Control Systems Engineering  
Heat & Mass Transfer  
Mechanics of Machines  
Sensors & Actuators  
Numerical Methods & Complex Variables  
English: Research Writing Skills  
Presentation Skill Development Project  
Military Studies

#### Intermediate Term 2 (9 Weeks)

Industrial Visits & Report Writing  
Finite Element Analysis  
Humanities Elective I  
Humanities Elective II

#### Fifth Semester

Automotive Engineering I  
Advanced Control Systems  
Machine Elements in Design  
Fluid Power Systems  
Professional Ethics  
Applied Statistics  
Principles of Management

#### Sixth Semester

Ballistic Engineering (only for officer cadets)  
Entrepreneurship for Engineers (only for day scholars)  
Automotive Engineering II  
Energy Technology & Environment  
Computational Fluid Dynamics  
Principles of Automation  
Research Methodology  
Business Economics & Financial Accounting

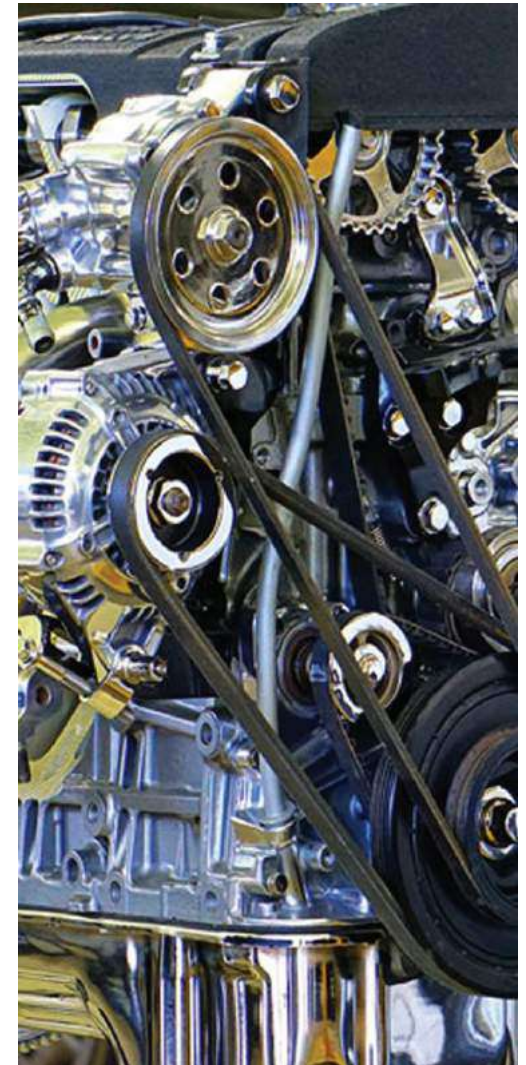
#### Industrial Training - 6 Months

#### Seventh Semester

Machine Design  
Industrial Project Management  
Solid Mechanics  
Research Project  
Technical Elective I  
Operational Research  
Human Resource Management & Industrial Relations

#### Eighth Semester

Research Project  
Mechatronic Systems  
Industrial Engineering  
Technical Elective II  
Commercial & Industrial Law





## BSc Eng.(Hons) in Mechatronic Engineering

### At a glance

Contact : Senior Assistant Registrar  
E-mail : arfoe@kdu.ac.lk  
Tel : +94-71-0219366

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,950,000.00	USD 8,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing BSc in Mechatronic Engineering

This four-year full-time undergraduate programme aims to deliver the competencies on design and development of Mechatronic Systems, which integrate Mechanical Engineering, Electronic Engineering, Control Systems and Information Technology, so that the graduates are well equipped to become competent Mechatronics Engineers. Students are required to earn 135 GPA credits and 19 NGPA credits for graduation. Officer Cadets require 35 MGPA Credits on top of the above for graduation.

### Why choose BSc in Mechatronic Engineering?

Mechatronics is an emerging field that blends mechanical engineering, electrical engineering and computer science to demonstrate the close integration of these disciplines in product design. The Mechatronic Engineering degree programme offers both theory and practical work in the areas of Automation, Control, Robotics, Engineering design and applications.

The acquired knowledge and skills gained will be useful to deal with the professional and career development goals of graduates in the future. The designed curriculum also offers a vast area of opportunities for future studies/ research as a graduate and even beyond.

### Eligibility criteria

A minimum of 2 'C' passes and 1 'S' pass in GCE Advanced Level (Local) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting

Or

A minimum of 2 'B' passes and 1 'C' pass in GCE Advanced Level (Cambridge or Edexcel) covering Combined Mathematics, Physics and Chemistry in one and the same sitting.

### Curriculum

#### First Semester

Workshop Technology  
Engineering Drawing  
Fundamentals of Civil Engineering  
Fundamentals of Electrical Engineering  
Basic Electronics  
Mathematics  
Basic Computer Programming and networking  
English: Basic Study Skills (Engineering)  
Military Studies

#### Intermediate Term 1 (4 Weeks)

Mathematical Software  
Sinhala for Beginners  
Tamil for Beginners

#### Second Semester

Analog Electronics  
Fundamentals of Thermodynamics  
Engineering Materials  
Applied Mechanics  
Structural Mechanics I  
Fluid Mechanics I  
Theory of Electricity  
Calculus  
English: Advanced Study Skills(Engineering)  
Military Studies

#### Third Semester

Digital Electronics  
Computer Aided Drafting  
Dynamics of Mechanical Systems  
Manufacturing Systems  
Signals and Systems  
Electrical Machines & Drives I  
Electrical Measurements & Electronic Instrumentations  
Advanced Calculus  
English: Writing & Speaking Skills(Engineering)  
Strategic & Defence Studies  
Military Studies

#### Fourth Semester

Programming for Mechatronic Systems  
Sensors and Actuators  
Physical Metallurgy  
Control Systems Engineering  
Mechanics of Machines  
Microprocessors, Microcontrollers & Embedded Systems  
Numerical Methods & Complex Variables

English: Research Writing Skills  
Presentation Skill Development Project  
Military Studies

#### Intermediate Term 2 (9 Weeks)

Mini Project  
Industrial Visits & Report Writing  
Field specific software (Solid works/FEA)  
Humanities Elective I  
Humanities Elective II

#### Fifth Semester

Mechatronic System Design  
Advanced Control Systems  
Machine Elements in Design  
Digital Signal Processing  
Professional Ethics  
Applied Statistics  
Principles of Management

#### Sixth Semester

Principles of Automation  
Mechatronic Design Project  
Fundamentals of Robotics  
Ballistic Engineering (only for officer cadets)  
Entrepreneurship for Engineers (only for day scholars)  
Power Electronics and Applications I  
Research Methodology  
Business Economics & Financial Accounting

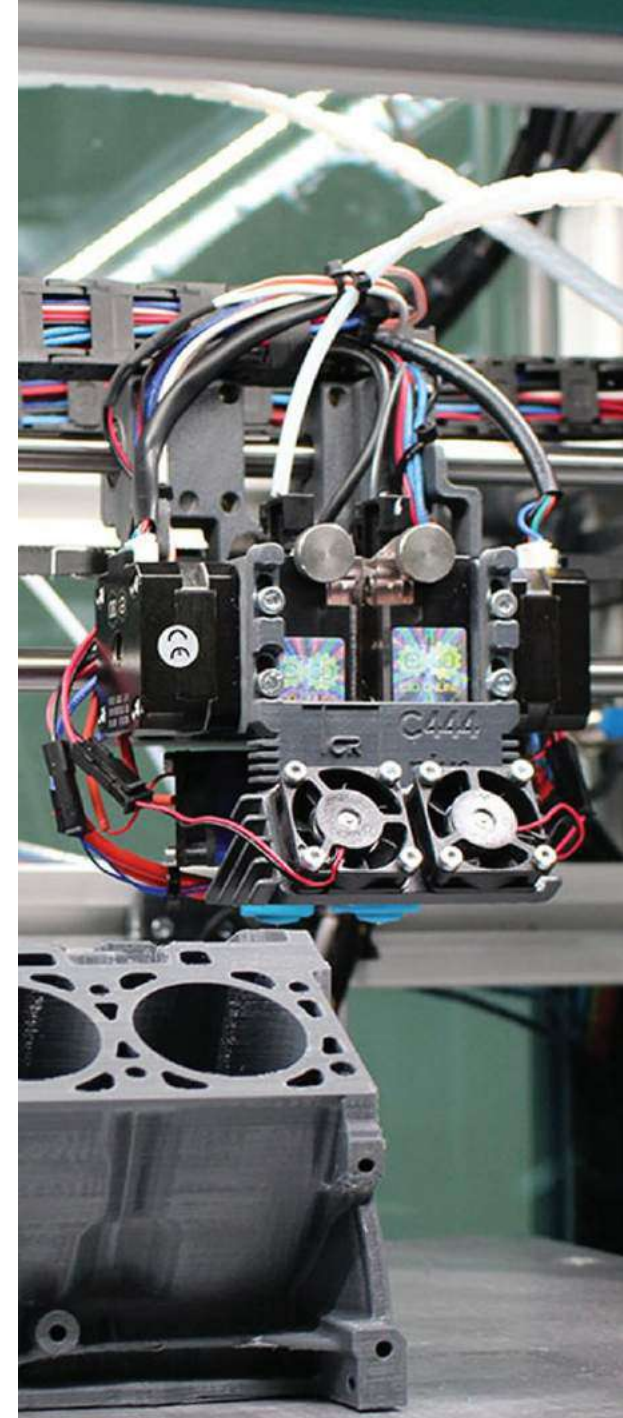
#### Industrial Training - 6 Months

#### Seventh Semester

Advanced Automation  
Advanced Robotics and Manipulators  
Intelligent Systems Control  
Industrial Project Management  
Research Project  
Technical Elective I  
Operational Research  
Human Resource Management & Industrial Relations

#### Eighth Semester

Micro-mechatronics  
Research Project  
Industrial Engineering  
Technical Elective II  
Commercial & Industrial Law



## BSc Eng.(Hons) in Marine Engineering

### At a glance

Contact : Senior Assistant Registrar  
E-mail : arfoe@kdu.ac.lk  
Tel : +94-71-0219366

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,950,000.00	USD 8,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing BSc in Marine Engineering

This full-time four-year degree programme in Marine Engineering aims to produce a marine engineer with overall knowledge of a competent engineer and with a thorough theoretical exposure to systems that keep a ship running. The course includes modules which cover Basic engineering sciences, Main internal systems, Designing and Naval architecture of marine vehicles. A student who earns 135 GPA credits and 15 NGPA credits is qualified for graduation while Marine Engineering Officer Cadets who follow this stream are required to earn added 35 MGPA credits in order to complete the programme successfully.

### Why choose BSc in Marine Engineering?

The Department of Marine Engineering of KDU is the pioneer in Marine Engineering education in Sri Lanka, which was formed in 1991 to cater to the demand of Marine Engineers for the Sri Lanka Navy. So far, the Department has produced nearly 150 Marine Engineers who are presently holding key appointments in the Sri Lankan Naval Engineering community.

In terms of infrastructure, the department is well equipped with laboratory and workshop facilities for performance of practical sessions and student projects. The Department further ensures collective and individual guidance for its students, with the collaboration of industrial giants.

Further, KDU is presently working on installing a Marine Diesel Engine real-time machinery control room simulator, to deliver a high end training experience for the undergraduates on troubleshooting and instant decision making onboard.

Marine Engineering opens career paths for further engineering disciplines which offer better perspectives in one's working life. Disciplined and management centric attitude developed through the experience as a Marine Engineer, has the demand for Heavy engineering industries, Research & Development projects, Port engineering, Manufacturing engineering etc.

### Eligibility criteria

A minimum of 2 'C' passes and 1 'S' pass in GCE Advanced Level (Local) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting  
Or

A minimum of 2 'B' passes and 1 'C' pass in GCE Advanced Level (Cambridge or Edexcel) covering Combined Mathematics, Physics and Chemistry in one and the same sitting.

### Curriculum

#### First Semester

Mathematics  
Fundamentals of Civil Engineering  
Workshop Technology  
Engineering Drawing  
Basic Electronics  
Fundamentals of Electrical Engineering  
Basic Computer Programming & Networking  
English : Basic Study Skills (Engineering)  
Military Studies

#### Intermediate Term – 1 (4 weeks)

Mathematical Software  
Sinhala/Tamil: Basics for Beginners

#### Second Semester

Engineering Knowledge (Motor) I  
Marine Engineering Materials  
Marine Power Transmission  
Structural Mechanics I  
Fluid Mechanics I  
Fundamentals of Thermodynamics  
Applied Mechanics  
Calculus  
English Advanced Study Skills (Engineering)  
Military Studies

#### Third Semester

Marine Engineering Drawing  
Applied Thermodynamics  
Manufacturing Systems  
Dynamics of Mechanical Systems  
Structural Mechanics II  
Electrical Measurements and Electronic Instrumentation  
Advanced Calculus  
English: Writing & Speaking Skills(Engineering)  
Strategic & Defence Studies  
Military Studies

#### Fourth Semester

Naval Architecture and Ship's Stability  
Physical Metallurgy  
Numerical Methods & Complex Variables  
Control Systems Engineering  
Heat & Mass Transfer  
Mechanics of Machines  
English: Research Writing Skills(Engineering)  
Presentation Skill Development Project  
Military Studies

#### Intermediate Term – 2 (9 weeks)

Naval Architecture and Ship's Stability  
Physical Metallurgy  
Numerical Methods & Complex Variables  
Control Systems Engineering  
Heat & Mass Transfer  
Mechanics of Machines  
English: Research Writing Skills(Engineering)  
Presentation Skill Development Project  
Military Studies

#### Fifth Semester

Ship Resistance & Propulsion  
Advanced Control Systems  
Machine Elements in Design  
Fluid Power Systems  
Professional Ethics  
Applied Statistics  
Principles of Management

#### Sixth Semester

Ship Construction  
Engineering Knowledge (Motor) II  
Small Craft Powering  
Marine Electrical Technology  
Computational Fluid Dynamics  
Business Economics & Financial Accounting

#### Industrial Training - 6 Months

#### Seventh Semester

Group Research Project \*  
Ship Controllability & Vibration  
Engineering Knowledge (General) I  
Marine Vehicle Design  
Marine Project Management  
Research Methodology  
Human Resource Management & Industrial Relations

#### Eighth Semester

Group Research Project  
Maritime Law  
Steam Plant & Gas Turbine  
Marine Industrial Engineering  
Engineering Knowledge (General) II  
Technical Elective





# Welcome to the

Faculty of

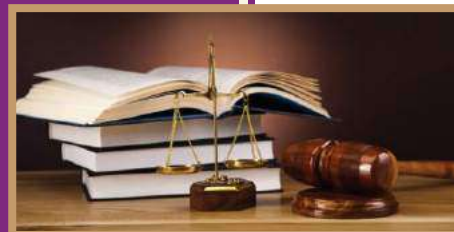
# Law



The Faculty of Law at the commencement offered a four-year LLB Degree Programme with the objective of producing legal professionals for the Tri-Services, a need that arose in the aftermath of Humanitarian Operations.

The first LLB Programme was commenced in the academic year 2011 for Officer Cadets who wished to specialize in the field, and from 2012, the doors of the Faculty were opened to civilian students as Day-Scholars to the LLB Degree Programme, a welcome move that enabled the nation's youths to earn a degree in Law that would truly empower them with a sound legal education and a highly acceptable qualification for a bright future. Further, the LLB Degree Programme has now attracted Commissioned Officers as well as officers from the Sri Lanka Police.

In terms of infrastructure facilities, the Faculty possesses spacious lecture theaters with modern amenities which facilitate teaching and learning in a truly academic environment. The Faculty is rapidly moving towards academic excellence and is working towards becoming a well-recognized seat of learning in Law among other competitive law schools at national, regional and international levels.



## Degree Programme

Bachelor of Laws (LLB)

## Bachelor of Laws (LLB)

### At a glance

Contact : Assistant Registrar  
E-mail : arfol@kdu.ac.lk  
Tel : +94-11-2635268

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 1,100,000.00	USD 5000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2000.00
Refundable library deposit	Rs. 4,000.00	LKR 4000.00
Refundable mess deposit	-	-

### Introducing Bachelor of Laws

Law is one of the disciplines included in KDU curricula from the inception of the University due to its significance for Armed Forces personnel. However, the discipline assumed greater significance at KDU with the establishment of the Department of Law and subsequently the Faculty of Law and the commencement of its four year LLB Degree Programme with the objective of producing legal professionals for the Tri-Services, a need that arose in the aftermath of Humanitarian Operations.

The first LLB Programme commenced in the academic year 2011 for Officer Cadets and from 2012, the doors of the Faculty were opened to civilian students as Day-Scholars. Further, the LLB Degree Programme has now attracted Commissioned Officers from the Armed Forces as well as officers from the Sri Lanka Police.

### Why choose Bachelor of Laws?

The Faculty which offers the undergraduate degree programme provides them with a dynamic academic experience with an innovative curriculum.



### Eligibility criteria

A minimum of a Credit Pass (C) for Sinhala/Tamil Languages at G.C.E. (O/L).

Completed G.C.E. (A/L) / London (A/L) or any other equivalent foreign examination in any year (based on the age requirement given).

A minimum of Simple Passes (S) in three subjects from the following list:

Accounting	Chemistry
Geography	Mathematics/Combined Mathematics
Business Statistics	Mathematics
Information & Communication Technology	Logic & Scientific Method
Agricultural Science	Physics
Higher Mathematics	Communication & Media Studies
Business Studies	Economics
Political Science	History
Biology	

Or

One or two subjects from the above list and the other subject/ subjects from the following list at the A/L Examination.

Buddhism/ Buddhist Civilization	Islam / Islamic Civilization
Christianity/ Christian Civilization	Chinese Pali
Greek & Roman Civilization	German
Japanese	Tamil
English (Subject No.73)	French
Sanskrit	Sinhala
Hinduism /Hindu Civilization	Arabic
Agro Technology	Law

And

Be between 17-30 years of age. (For day-scholars)

### Curriculum

#### First Semester

Constitutional Law I  
Legal Methods  
Legal System and Legal History of Sri Lanka  
Roman Law  
Criminal Law I  
Introduction to Information Technology  
Communication Skills I  
English: Basic Study Skills (Law)  
Military Studies \*

#### Second Semester

Constitutional Law II  
Family Law  
Jurisprudence  
Law of Contract  
Interpretation of Statutes and Documents  
Criminal Law II  
English: Advanced Study Skills (Law)  
Communication Skills II  
Military Studies \*

#### Third Semester

Labour Law  
Administrative Law  
Law of Delict  
Public International Law  
Business Law  
Law of Equity and Trust  
English: Writing and Speaking Skills (Law)  
Communication Skills III  
Strategic & Defence Studies\*  
International Relations \*\*  
Military Studies \*

#### Fourth Semester

Intellectual Property Law  
International Investment Law  
Company Law  
Human Resource Management and Interpersonal Skills  
Human Rights Law  
Military Law  
English: Research Writing Skills (Law)  
Military Studies \*  
Presentation Skill Development Project

#### Fifth Semester

Research Methodology  
Law of the Sea  
Law of Taxation  
Land Law  
Law of Space  
International Humanitarian Law  
Law Related to Forensic Medicine  
English for International Legal English Certificate (ILEC)  
Conflict Resolution

#### Sixth Semester

Civil Procedure  
Criminal Procedure  
Conveyancing  
Trust Accounts and Professional Ethics  
Law of Evidence  
Information Technology Law  
English: Genre Analysis (Law)  
(Either) Sinhala: Basics for Beginners  
(Or) Tamil: Basics for Beginners  
Research Project\*

#### Seventh Semester

Military Training at Respective Military Academies\*  
Environmental Law\*\*  
Private International Law\*\*  
Legal Clinics\*\*  
Leadership Training\*\*

#### Eighth Semester

Advanced Military Training at Respective Military Academies\*  
Internship \*\*  
Research Project \*\*  
Construction Law  
Arbitration Law  
Finance Law

\* - Only applicable for Officer Cadets

\*\* - Only applicable for Day Scholars





Welcome to the

Faculty of

# Management, Social Sciences and Humanities



The Faculty of Management, Social Sciences and Humanities was established under the restructuring programme of General Sir John Kotelawala Defence University in 2010. It consists of three departments, namely, Department of Management and Finance, Department of Social Sciences and Department of Languages.

The Department of Management and Finance offers two degree programmes, namely, BSc in Logistics Management, and BSc in Management & Technical Sciences, while the Department of Social Sciences offers BSc in Social Sciences Degree. There are more than 200 undergraduates enrolled per batch in the degree programmes offered by the Faculty, and these undergraduates study as officer cadets and day scholars in all the degree programmes. The faculty also provides academic supervision and guidance for students to carry out their research work.

Because of the quality assurance and high standards of degrees, employability ratio of FMSH graduates is exceptionally high compared to that of graduates from other management and social sciences degree programmes in the country.



## Degree Programmes

BSc in Management & Technical Sciences

BSc in Logistics Management

BSc in Social Sciences

BA in Teaching English for Speakers  
of Other Languages (TESOL)

BSc in Applied Data Science Communication

## BSc in Management & Technical Sciences

### At a glance

Contact	: Assistant Registrar
E-mail	: arfmsh@kdu.ac.lk
Tel	: +94-71-0219287

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 950,000.00	USD 6,000.00
Registration fee 3 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2000.00
Refundable library deposit	Rs. 4,000.00	LKR 4000.00
Refundable mess deposit		



### Why choose BSc in Management & Technical Sciences?

This is a special course designed to groom young Officer Cadets and Day Scholars to be competent and skilful in the field of management and related technical areas. The graduates will be equipped with versatile skills and knowledge enabling them to be enrolled for managerial positions in the industry. This course is open for students of science streams.

This degree is given utmost importance in military as it paves the path for Officer Cadets to enter into executive branches as Officers upon the completion of the degree programme. Tri-Service commanders are appointed from among Officers who perform in the executive branches.

The degree has been modified with separate modules for Day Scholars to groom them in management and technical aspects. The Day Scholars with science background would gain management skills and technical expertise that help them to climb up in the corporate ladder.

### Eligibility criteria

#### DAY SCHOLARS

The candidate must have,  
Completed G.C.E. (A/L) or London (A/L) (Cambridge or Edexcel) or any other equivalent foreign examination in the relevant or immediately preceding year.

A minimum of three Simple Passes (S) at the A/L examination and qualified for university admission in Bio or Maths stream.

Obtained a pass mark (marks 30 and above) for the Common General Test.

Obtained a minimum of a Credit pass (C) for English Language at the G.C.E. (O/L) examination or a minimum of a 'D' Grade for English Language at the London (O/L) examination.

The candidate must;

Be not less than 17 years and not more than 24 years of age at the closing date of applications.

Have obtained a pass mark for the Selection Test and for the Structured Interview conducted by KDU to be selected as a Day Scholar.

#### OFFICER CADETS

The candidate must have,

Completed G.C.E. (A/L) examination (Local) in the relevant or immediately preceding year.

A minimum of three Simple Passes (S) at the G.C.E. A/L examination and qualified for university admission in Bio or Maths stream.

Obtained a pass mark (marks 30 and above) for the Common General Test.

Obtained a minimum of a Credit pass (C) for English Language at the G.C.E. (O/L) examination.

The Candidates must;

Be not less than 18 years of age and not more than 22 years of age at the closing date of applications.

Fulfill the minimum physical standards as specified in the gazette notification/ advertisement.

Obtain a pass mark for the Structured Interviews conducted by KDU and pass the final Medical test to be enlisted as an Officer Cadet.



### Curriculum

#### First Semester

Principles of Management  
Legal Environment  
Intro. to Information and Communication Technology (ICT)  
English: Basic Study Skills (MTS)  
Basic Electrical Technology  
Chemistry  
Mathematics  
Principles of Financial Accounting  
Basic Engineering  
Military Studies-I (Officer Cadets Only)

#### Second Semester

Human Resource Management  
Disaster Management  
Cost & Management Accounting  
International Relations  
English: Advanced Study Skills (MTS)  
Business Statistics  
Basic Calculus  
Applied Chemistry & Explosives (Officer Cadets Only)  
Waste Management  
Basic Electronics (Officer Cadets Only)  
Energy Conservation  
Military Studies-II (Officer Cadets Only)

#### Third Semester

Research Methodology  
Operations Research  
Entrepreneurship Development  
Economics for Management  
Commercial Law  
Counselling and Basic Psychology  
English: Writing and Speaking Skills (MTS)  
Marketing Management  
Physics  
Strategic and Defence Studies (Officer Cadets Only)  
Military Studies-III (Officer Cadets Only)

#### Mid Semester 1

Research Project  
Presentation Skills Development Project

#### Fourth Semester

Project Management  
Introduction to Petroleum Engineering  
Research Project  
Organizational Behaviour  
Management Information Systems  
English: Research Writing Skills (MTS)  
Sinhala: Basics for Beginners or  
Tamil: Basics for Beginners  
Advanced Physics  
Military Studies-IV (Officer Cadets Only)

#### Fifth Semester

Strategic Management  
Risk Management  
Ethics and Corporate Governance  
Production and Operational Management  
Quality Management  
International Trade and Finance  
E-Commerce  
Military Training (Officer Cadets only)

#### Mid Semester 2

Logistics Day  
Career Development Programmes

#### Sixth Semester

Officer Cadets  
Advanced Military Training  
Day Scholars – 6 Months Industrial Training  
Industrial Training  
Industrial Project Report





## BSc in Logistics Management

### At a glance

Contact	: Assistant Registrar
E-mail	: arfmsh@kdu.ac.lk
Tel	: +94-71-0219287

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 1,000,000.00	USD 4,000.00
Registration fee 3 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing BSc in Logistics Management

BSc in Logistics Management at KDU offers its students expertise in all aspects of logistics management in three years. This programme is accredited by the Chartered Institute of Logistics and Transport (CILT). Students can study all significant areas in logistics management and develop the required understanding to be successful in this sector. The Logistics Management degree programme at KDU is offered in three streams: Transportation, Supply Chain Management and Finance. Streams have been designed to fulfill the essential areas of Logistics Management in both military and corporate sector.

### Why choose BSc in Logistics Management?

BSc in Logistic Management is one of the best qualification in the country which has been popular among the fee levying students or known as day scholars. Logistic management is specialised in three areas such as supply chain management, transport management and financial management. These areas are identified as niche areas due to its speciality where there is an unbreakable demand for the jobs immensely with a continuously progressing. Although right now there are a number of degrees are available in Logistic management in the country, due to the image of the University, attachment as a Defence University and well managed and well balanced discipline, the degree is very famous in the job market in the country as well as school student. And further according to the performance of those who have already left to the job market, the demand for the degree is increasing.

### Eligibility criteria

#### DAY SCHOLARS

The candidate must have,  
Completed G.C.E. (A/L) or London (A/L) (Cambridge or Edexcel) or any other equivalent foreign examination in the relevant or immediately preceding year.  
A minimum of three Simple Passes (S) at the G.C.E. A/L examination and be qualified for university admission in Bio/ Maths or Commerce stream.  
Have obtained a pass mark (marks 30 and above) for the Common General Test.  
Have obtained a minimum of a Credit pass (C) for English Language at the G.C.E. (O/L) examination or minimum of 'D' Grade for English Language at the London (O/L) examination.

The candidate must;

Be not less than 17 years and not more than 24 years of age to the closing date of applications.  
Have obtained a pass mark for the Selection Test and for the Structured Interview conducted by the KDU to be selected as a Day Scholar of KDU.

#### OFFICER CADETS

The candidate must have,  
Completed G.C.E. (A/L) examination (Local) in the relevant or immediately preceding year.  
A minimum of three Simple Passes (S) at the A/L examination and be qualified for university admission in Bio/ Maths or Commerce stream.  
Have obtained a pass mark (marks 30 and above) for the Common General Test.  
Obtained a minimum of a Credit pass (C) for English Language at the G.C.E. (O/L) examination.  
The Candidates must;  
Be not less than 18 years of age and not more than 22 years of age at the closing date of applications.  
Fulfill the minimum physical standards as specified in the Gazette Notification.  
Obtain a pass mark for the Structured Interviews conducted by KDU and pass the final Medical test to be enlisted as an Officer Cadet.



### Curriculum

#### First Semester

Principles of Management  
Financial Accounting  
Economics  
Introduction to Transportation Management  
Introduction to Supply Chain Management  
Business Mathematics  
Principles of Marketing  
English: Basic Study Skills (LM)  
Introduction to Information Communication Technology  
Military Studies - I (Officer Cadets Only)

#### Second Semester

Cost Accounting  
Human Resources Management  
Business Law  
Procurement Management  
Disaster Management  
International Trade  
International Relations  
Business Statistics  
English: Advanced Study Skills (LM)  
Military Studies - II (Officer Cadets Only)

#### Third Semester

Research Methodology (SCM/TM/F)  
Management Accounting (All)  
Computer Application for Accounting (F)  
Advanced Financial Accounting (F)  
Auditing & Taxation (F)  
Public Financial Management (F)  
Port Operations and Management (SCM+TM)  
Inventory & Warehouse Management (SCM)  
Legal Aspects of Supplies & Material Management (SCM)  
Transport Economics (SCM+TM)  
International Freight Transportation (SCM)  
Transport Modelling (TM)  
Transport Data Collection & Analysis (TM)  
Terminal Planning and Operations (TM)  
Entrepreneurship Development (All)  
Operations Research (All)  
English: Writing and Speaking Skills (LM)(All)  
Strategic Defence Studies (Officer Cadets Only)  
Military Studies – III (Officer Cadets Only)

#### Mid Semester 1

Research Proposal Evaluation (All)  
Presentation Skills Development Project (All)

#### Fourth Semester

Project Management (All)  
Research Project (All)  
Corporate Finance (F)  
Military Accounting (Officer Cadets Only) (F)  
OR  
Financial Reporting (Day-Scholars Only) (F)  
Computer Based Application for Supplies & Materials Management (SCM)  
Strategic Logistics Management (SCM)  
Military Logistics (Officer Cadets Only)  
OR  
Strategic Marketing Management (Day-Scholars Only)  
Transport Network Planning and Optimization (TM)  
Transport Policy Analysis (TM)  
English: Research Writing Skills (LM) (All)  
Sinhala: Basics for Beginners (LM) (FOM)  
Tamil: Basic for Beginners (LM) (All)  
Military Studies – IV (Officer Cadets Only)

#### Fifth Semester

Portfolio Management (F)  
Risk Management (F)  
Production and Operations Management (All)  
International Business (F)  
Quality Management (SCM+TM)  
Maritime Logistics (SCM)  
Reliability in Transportation (TM)  
Ethics and Corporate Governance (F)  
Airline Business Management (SCM+TM)  
Cargo Handling & Operations (SCM+TM)  
Strategic Management (All)  
E-Commerce (All)  
Military Training (Officer Cadets Only)

#### Mid Semester 2

Career Development Programmes  
Logistics Day

#### Cadet Officers

Advanced Military Training

Day Scholars – 6 Months Industrial Training  
Industrial Training  
Industrial Project Report

LM - Logistics Management F - Financial Management  
SCM - Supply Chain Management All- All three specializations  
TM - Transport Management

## BSc in Social Sciences

At a glance		
Contact	: Assistant Registrar	
E-mail	: arfms@kdu.ac.lk	
Tel	: +94-71-0219287	
Course fee structure		
Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 950,000.00	USD 3,000.00
Registration fee	Rs. 4,000.00	LKR 5,000.00
3 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 10,000.00
Refundable mess deposit		

### Introducing BSc in Social Sciences

The Department of Social Sciences established under the Faculty of Management, Social Sciences and Humanities at Sir John Kotelawala Defence University on 1st October 2010, offers opportunities for both Cadets and Day Scholars to obtain BSc in Social Sciences degree. The students in Social Sciences degree programme, are offered Economics, Geography and Management as core subjects along with other common subjects that are essential to reach the expected competencies of a BSc graduate. At present, it has around 175 students under the department. The course offers Economics, Geography and Management as core subjects and they are accompanied by a series of common and auxiliary subjects carefully selected to instil the expected co-competencies of graduates in Social Sciences.

### Why choose BSc in Social Sciences?

The degree is blended with Economics, Geography and Management as core modules and they are accompanied by a series of common and auxiliary subjects to enhance the expected core competencies of graduates in Social Sciences. Moreover, the curriculum of this degree programme has been designed with the objective of producing a human resource, which is competent in dealing with social sciences issues to deliver effective contributions towards the productivity of the employing organizations, and the society at large. Besides, Leadership and other interpersonal skills are also developed in parallel to the academic work with the assistance of Defence staff in the university to produce sound leaders to the country. This degree enhances the practical knowledge and the internship programme at leading private and public-sector organizations has been incorporated into the degree programme with the collaboration of National Apprentice and Industrial

KDU Prospectus 2021

Training Authority (NAITA). In addition, the field visits, workshops with industry, case study tours and conferences etc. empower the quality of the degree programme.

### Eligibility criteria

#### OFFICER CADETS

- Being a citizen of Sri Lanka.
- Being not less than 18 years and not more than 22 years of age on the closing date of applications.
- Being unmarried
- Having fulfilled the following educational qualifications at G.C.E. (O/L) Examination.
  - Having a minimum of a Credit Pass (C) for English at the G.C.E. (O/L) Examination.
  - Having completed their G.C.E. (O/L) examination in one sitting.
  - Having fulfilled the following educational qualifications at G.C.E. (A/L) Examination.
    - Passing the Common General Test.
    - Having a minimum of three Simple Passes (S) at the G.C.E. (A/L) examination in any stream and being qualified for university admission.
    - Having completed the G.C.E. (A/L) examination in the relevant or immediately preceding year.
- Satisfying the following minimum physical standards\*

Service	Height		Weight		Chest	
	Male	Female	Male	Female	Male	Female
Army	5' 6"	5' 3"	50 Kg	-	32"	-
Navy	5' 6"	5' 3"	52 Kg	41Kg	(Unexpanded)	
Air Force	5' 6"	5' 4"	17<B>BMI</B><25	17<B>BMI</B><25		

\*Subjected to change based on the military requirements.

#### DAY SCHOLARS

- Being between 17-24 years of age on the closing date of application.
- Being unmarried.
- Having fulfilled the following educational qualifications at G.C.E. (O/L) Examination.
  - Having a Credit Pass (C) or above for English Language at G.C.E. (O/L) examination or a Credit Pass (C) or above for English Language in London O/Ls or in any other equivalent foreign examination.
  - Having completed the O/L examination in one sitting.
- Having fulfilled the following educational qualifications at G.C.E. (A/L) Examination.
  - Having a minimum of three Simple Passes (S) at the G.C.E. (A/L) examination in any stream and being qualified for university admission or possessing an equivalent qualification in London A/Ls (Cambridge or Edexcel) or in any other equivalent foreign examination.
  - Having completed their A/L examination in the relevant or immediately preceding year.

#### Other Requirements

The applicants who apply under the category of "any other foreign examinations or equivalent qualifications in University Entrance Examinations in any other country" are advised to have relevant minimum qualifications at any other foreign examination that is equal to GCE A/L in Sri Lanka. Validation of such qualifications should be obtained from the Department of Examinations of Sri Lanka. It is also required to submit a letter from a recognized university / academy / higher educational institutions of the country from which he/she has achieved his/her qualifications certifying that the relevant qualification is sufficient to register in that university / academy / higher educational institution to follow an undergraduate course of study leading to a Bachelor's Degree.

### Curriculum

#### First Semester

Elementary Economics  
 Fundamentals of Management  
 Fundamentals of Human Geography  
 Introduction to Sociology  
 History of Sri Lanka  
 Introduction to Information and Communication Technology (ICT)  
 Basic Mathematics  
 English: Basic Study Skills (SS)  
 Military Studies – I (Officer Cadets Only)

#### Second Semester

Microeconomics  
 Principles of Financial Accounting  
 Fundamentals of Physical Geography  
 Human Resource Management  
 Basic Psychology  
 Introduction to Global Politics  
 Basic Statistics  
 English: Advanced Study Skills (SS)  
 Sinhala: Basics for Beginners or  
 Tamil: Basics for Beginners  
 Military Studies – II (Officer Cadets Only)

#### Third Semester

Intermediate Macroeconomics  
 Cartography  
 Entrepreneurship Development  
 Legal Environment in Sri Lanka  
 Introduction to Geomatics  
 Social Research Methods  
 English: Writing and Speaking Skills (SS)  
 Strategic and Defence Studies (Officer Cadets Only)  
 Military Studies – III (Officer Cadets Only)

#### Mid Semester 1

Field Study

#### Fourth Semester

Applied Economics  
 Contemporary Resource Management  
 Contemporary Geographic Issues  
 Approaches to Conflict Analysis and Resolution  
 Research Project  
 Project Management  
 English: Research Writing Skills (SS)  
 Military Studies – IV (Officer Cadets Only)

### Fifth Semester

Organizational Behaviour  
 Industrial and Organizational Psychology  
 International Trade and Finance  
 International Political Economy  
 Disaster Management  
 Quality Management  
 Ethics & Corporate Governance  
 Military Training (Officer Cadets Only)

### Mid Semester 2

Career Development Programmes

### Sixth Semester

Cadet Officers  
 Advanced Military Training

Day Scholars – 6 Months Industrial Training  
 Industrial Training  
 Industrial Project Report





## BA in Teaching English for Speakers of Other Languages (TESOL)

### At a glance

Contact	: Assistant Registrar
E-mail	: arfmsh@kdu.ac.lk
Tel	: +94-71-0219287

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition Fee	LKR. 850,000.00	USD 4,000.00
Registration Fee - 3 Years (Initial Registration)	LKR. 4,000.00	LKR. 5,000.00
Library Fees	LKR. 2,000.00	LKR 2,000.00
Refundable Library Deposit	LKR. 4,000.00	LKR 10,000.00

### Introducing BA in Teaching English to Speakers of Other Languages (TESOL)

This programme has been developed considering the need of the English language teaching job market in Sri Lanka and abroad. One of the key highlights of the course is that it gives equal weight to theory and practice, which is demanded by the current job-market. Academic component of the degree will cover key areas in language teaching including language learning/teaching theories, language teaching methodology, language assessment, course designing, and digital learning tools. Each module of the degree has a practical component in which students will be exposed to micro-teaching as well as authentic teaching contexts (e.g. schools). In addition, in the last year, students will have the opportunity to take the Cambridge CELTA course. CELTA is the most widely recognised English teaching qualification in the world and the qualification most often requested by employers. Three out of four English language teaching jobs in the world require a CELTA qualification. It provides a competitive edge in the ELT job market in Sri Lanka.

### Why choose BA in Teaching English to Speakers of Other Languages (TESOL)?

This degree provides the necessary academic and professional qualifications to be an English language teacher in the current job market. This will be an added advantage for those who are already in the profession, but do not hold an academic qualification. In addition, the degree holders may be able to become ELT managers in the field. Some potential jobs include:

- EL teachers
- Lecturers in teacher training institutes
- ELT materials designers
- Language test writers/language assessors
- ELT institution managers

### Eligibility criteria

#### OFFICER CADETS

- The candidate must have completed G.C.E. (A/L) examination (Local) in the relevant or immediately preceding year.
- A minimum of three Simple Passes (S) at the G.C.E. A/L examination and qualified for university admission in any stream.
- Obtained a pass mark (30 or above) for the Common General Test.
- Obtained a Distinction pass (A) for English at the G.C.E. (O/L) examination.
- The Candidates must;
  - Be not less than 18 years of age and not more than 22 years of age at the closing date of applications.
  - Fulfill the minimum physical standards as specified in the gazette notification/ advertisement.
  - Obtain a pass mark for the Structured Interviews conducted by KDU and pass the final Medical test to be enlisted as an Officer Cadet.
  - Pass the English test conducted by KDU

Service	Height		Weight		Chest	
	Male	Female	Male	Female	Male	Female
Army	5' 6"	5' 3"	50 Kg	-	32"	-
Navy	5' 6"	5' 3"	52 Kg	41Kg	(Unexpanded)	
Air Force	5' 6"	5' 4"	17<BMI<25	17<BMI<25		

\*Subjected to change based on the military requirements.

#### DAY SCHOLARS

- The candidate must have completed G.C.E. A/L or London A/L (Cambridge or Edexcel) or any other equivalent foreign examination in the relevant or immediately preceding year.
- A minimum of three Simple Passes (S) at the G.C.E. A/L examination and qualified for university admission in any stream.
- Obtained a pass mark (30 or above) for the Common General Test.
- Obtained a Distinction pass (A) for English at the G.C.E. (O/L) examination or any other equivalent foreign examination.

\*English language teachers who wish to apply will be offered either the full-time option or the part-time option. Teachers who have the GCE (A/L) minimum qualification stated above will be admitted.

\*\*There will be a selection test in English for all applicants.



### Curriculum

#### First Semester

Introduction to TESOL  
Second language learning  
Social aspects of language teaching and learning  
Structure of the English language I  
Military Studies I (Officer Cadets Only)

#### Second Semester

Overview of principles and approaches in language teaching  
Teaching language skills  
English as a lingua franca  
Structure of the English language II  
Military Studies II (Officer Cadets Only)

#### Third Semester

Teaching language systems  
Teaching English through literature  
Language assessment  
Research methods in TESOL  
Military Studies III (Officer Cadets Only)

#### Fourth Semester

Syllabus and materials design  
Inclusive practices in language teaching  
English for specific purposes  
Technology mediated language teaching  
Military Studies IV (Officer Cadets Only)

#### Fifth Semester

Language teacher education  
Using corpora in language teaching  
Teaching young learners  
Language education policy  
Military Studies V (Officer Cadets Only)

### Sixth Semester

For Day Scholars  
Cambridge CELTA  
Dissertation

For Officer Cadets  
Cambridge CELTA  
Dissertation  
Advanced Military Training at the Respective Military Academies



## BSc in Applied Data Science Communication

At a glance		
Contact	: Assistant Registrar	
E-mail	: arfmsh@kdu.ac.lk	
Tel	: +94-71-0219287	
Course fee structure		
Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition Fee	LKR 850,000.00	USD 4,000.00
Registration Fee - 3 Years (Initial Registration)	LKR 4,000.00	LKR. 5,000.00
Library Fees	LKR 2,000.00	LKR 2,000.00
Refundable Library Deposit	LKR 4,000.00	LKR. 10,000.00

### Introducing BSc in Applied Data Science Communication

According to industry experts, data storytelling is an art that most experts in the computer field and business fields are unable to perform. The hard-core data scientists are also unable to communicate the data they analyse although they are good in data analytics. Therefore, there is a void for effective communicators of data. Thus, the organisations are now seeking for individuals with interdisciplinary knowledge who have the capability of analysing the data using data science principles and communicating the outcomes effectively. BSc in Applied Data Science Communication degree provides an overall knowledge to students on data science principles cum data storytelling.

### Why choose BSc in Applied Data Science Communication

This BSc in Applied Data Science Communication course goes beyond data science to gain insights on real world problems. Students will gain an understanding of key concepts in mathematics, statistics, computer application for data science, economics, accounting, finance, management, and communication in English. They will be able to understand how organisations work through the knowledge and skills gained by learning basic concepts in economics, accounting, finance and management. They will then be able to extract data from databases in different organisations using their knowledge and skills in computer science, analyse the extracted data applying their knowledge and skills in statistics and present the analyses to any stipulated audience effectively applying their knowledge and skills in communication. In doing so, they will be able to adhere to professional ethics and data protection regulations. Through this overall knowledge, the students who possess this qualification will be able to work in either the public or private sector organisations as well qualified applied data scientists cum data storytellers.

### Eligibility criteria

#### OFFICER CADETS

- The candidate must have completed G.C.E. (A/L) examination (Local) in the relevant or immediately preceding year.
- A minimum of three Simple Passes (S) at the G.C.E. A/L examination and qualified for university admission in Mathematics, Bio Science, Commerce or Technology streams. Those who have taken Statistics and/or Economics as a subject/subjects in the Arts stream can also apply.
- Obtained a pass mark (marks 30 and above) for the Common General Test.
- A minimum of three Simple Passes (S) at the G.C.E. A/L examination.
- The Candidates must
  - Be not less than 18 years of age and not more than 22 years of age at the closing date of applications.
  - Fulfill the minimum physical standards as specified in the gazette notification/ advertisement.
  - Obtain a pass mark for the structured interviews conducted by KDU and pass the final medical test to be enlisted as an Officer Cadet.

\*A bridging programme is conducted to those who do not come from an A/L mathematics background.

Service	Height		Weight		Chest	
	Male	Female	Male	Female	Male	Female
Army	5' 6"	5' 3"	50 Kg	-	32"	-
Navy	5' 6"	5' 3"	52 Kg	41 Kg	(Unexpanded)	
Air Force	5' 6"	5' 4"	17<BMI<25	17<BMI<25		

\*Subjected to change based on the military requirements.

#### DAY SCHOLARS

- The candidate must have completed Local G.C.E. A/L or London A/L (Cambridge or Edexcel) or any other equivalent foreign examination in the relevant or immediately preceding year.
- A minimum of three Simple Passes (S) at the G.C.E. A/L examination and qualified for university admission in Mathematics, Bio Science, Commerce or Technology streams. Those who have taken Statistics and/or Economics as a subject/subjects in the Arts stream can also apply.
- Obtained a pass mark for the Common General Test.
- Obtained a minimum of a Credit pass (C) for English and Mathematics at the G.C.E. (O/L) examination or any other equivalent foreign examination.

\* A bridging programme is conducted to those who do not come from an A/L mathematics background.



### Curriculum

#### First Semester

Fundamentals of mathematics  
Fundamentals of programming with R  
Business economics  
Effective presentation skills  
Military Studies I (Officer Cadets Only)

#### Second Semester

Fundamentals of statistics  
SQL for data science  
Essence of management and organizational behaviour  
Citizen science and communication  
Military Studies II (Officer Cadets Only)

#### Third Semester

Fundamentals of data mining  
Programming with Python  
Accounting and finance  
Effective writing skills  
Military Studies III (Officer Cadets Only)

#### Fourth Semester

Applied machine learning  
Advanced SQL and Cloud Databases  
Operations management  
Research methods and research presentations  
Military Studies IV (Officer Cadets Only)

#### Fifth Semester

Data science applications and artificial intelligence  
Data visualization and storytelling  
Policy analysis  
Corpus analysis and data presentation  
Military Studies V (Officer Cadets Only)

### Sixth Semester

For Day Scholars  
Industry sponsored dissertation  
Industrial training

For Officer Cadets  
Industry sponsored dissertation  
Industrial training  
Advanced Military Training at the Respective Military Academies





# Welcome to the

Faculty of

# Allied Health Sciences



The Faculty of Allied Health Sciences (FAHS) admitted its first intake of students in January 2013 to its undergraduate courses in Nursing, Physiotherapy, Pharmacy, Medical Laboratory Sciences and Radiography and Radiotherapy. Students participate in uninterrupted academic learning while enjoying personality development, welfare and recreational facilities available at Werahera and Ratmalana under the guidance, mentorship and coaching of the KDU staff.

In fulfilling a national responsibility of uplifting the standards of Allied Health professionals in Sri Lanka, the faculty within a year of its establishment, commenced enrolling diploma holders attached to Armed Forces and the Ministry of Health through the lateral entry programme to award BSc honours degrees on successful completion of course programmes. The honours degree programmes delivered at FAHS are open for overseas students too.

At present, FAHS is producing graduates with competencies to face the challenges of modern and ever changing needs of the healthcare sector. As a faculty we make every attempt to equip graduates for launching their future careers in any part of the world.



## Degree Programmes

BSc (Hons) in Medical Laboratory Science

BSc (Hons) in Nursing

B PHARM (HONS)

BSc (Hons) in Physiotherapy

BSc (Hons) in Radiography

BSc (Hons) in Radiotherapy

## BSc (Hons) in Medical Laboratory Science

### At a glance

Contact	: Assistant Registrar
E-mail	: arfahs@kdu.ac.lk
Tel	: +94-71-0213134

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 1,200,000.00	USD 10,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing BSc (Hons) in Medical Laboratory Science

The Department of Medical Laboratory Sciences (MLS) is one of the leading departments in FAHS that offers the 4-year full-time degree, Bachelor of Science Honours in Medical Laboratory Sciences (BSc. (Hons.) in MLS) recognized by Ceylon Medical College Council (CMCC) and has obtained the registration in Sri Lanka Medical Council (SLMC). The programme is designed by a panel of senior academics and professionals from reputed universities/institutions in Sri Lanka ensuring a high academic standard to facilitate participants to complete the degree programme.

A student undertaking this programme should complete a total of 120 credits. Certain modules that are common to all Allied Health degrees (also called as AH modules) mainly confined to 1st and 2nd year are conducted by the staff of the Department of Basic Sciences. Medical Laboratory Science is used in prevention, diagnosis, treatment & management and also to get a prognostic value of diseases through the understanding, application, and performance of clinical or medical laboratory analyses. The major areas of the field are Medical Microbiology, Haematology, Clinical Biochemistry, Histopathology, Immunology and Molecular diagnostics. It is associated with the basic sciences of biology and chemistry for utilizing the latest in biomedical instrumentation and molecular diagnostic techniques.

Teaching activities of the Department of MLS are conducted by the permanent and visiting staff. The lectures, tutorials and lecture discussions are conducted by the lecturers in the department. Practical sessions and practical demonstrations are conducted by the lecturers with the assistance of demonstrators (temporary). In addition to teaching, the

senior members engage in undergraduate research supervision in the department of MLS and the junior members assist the research activities.

A collaboration established in 2016, with Bio Medical Laboratory Science (BMLS) degree programme, Department of Natural Sciences, University of Agder (UiA), Norway allows international experience through staff and student exchange and collaborative research.

### Why Choose BSc (Hons) in Medical Laboratory Science?

Because this degree enables you to:  
 Have knowledge and skills on relevant areas in the field of medical laboratory sciences.  
 Analyze clinical specimens in order to assist in screening, diagnosing & monitoring of diseases.  
 Apply principles of total quality management in the laboratory process.  
 Maintain clinical laboratory instruments efficiently while ensuring safety.  
 Manage medical laboratory effectively and efficiently by ensuring safety.  
 Apply standard operating procedures in medical laboratory practice.  
 Communicate effectively with laboratory staff and other healthcare professionals.  
 Apply modern techniques in order to provide early and accurate laboratory reports.  
 Engage in multidisciplinary research projects for achieving inventions in the disciplines.  
 Develop critical thinking, systematic, and scientific approach for problem solving.  
 Pursue continuous professional development through lifelong learning.

### Eligibility criteria

#### Direct entry

A person is eligible for admission to the course of study leading to the award of BSc Honours in MLS Degree Programme provided that he/ she meets the following conditions.

Be between 17-24 years of age by the closing date of applications.

And

Be eligible to apply for university admission and have fulfilled the following requirements,

Have at least a Credit pass (C) for Chemistry at the GCE (A/L) examination to enroll in BSc Honours in Medical Laboratory Sciences

Have at least a Credit pass (C) for English at the GCE (O/L) examination.

Have passed the Common General Test conducted by the Department of Examinations.

Or

Equivalent qualifications in London A/Ls (Cambridge or Edexcel) or in any other equivalent foreign examination

Or

Candidates applying with foreign high school diplomas should pass SAT and TOEFL examinations with a minimum score of 550 / 120 respectively or IELTS (Academic) with a minimum overall band score of 6.5.

And

Obtains pass marks at the Aptitude & English Language tests, Psychometric test and at the interview conducted by KDU.

And

Candidates who are citizens of Sri Lanka fall into either non-payment or payment categories and all foreign candidates should be on payment category.

### Lateral entry

Allied Health Professionals serving under the Ministry of Defence and Ministry of Health who fulfil the criteria listed below are eligible to enrol as lateral entrants to the BSc Honours in MLS Degree programme in the first semester of the second academic year leading to the award of degree after three (3) years of study. The applicants should,

have a Diploma in the relevant discipline and registered with the Sri Lanka Medical Council (SLMC) at the date of closing applications.

have a minimum of five (5) years' service under the Ministry of Health/ Ministry of Defence at the date of closing applications.

be below 40 years of age on the date of closing applications.

have passed in all Science subjects at the GCE Advanced Level Examination in one sitting. Additional requirements are needed according to specific degree programmes as mentioned.

have at least a pass in English language in GCE Ordinary Level Examination or London O/L Examination or a minimum band score of 6.5 in IELTS (Academic).

have appropriate fitness to pursue the course of Medical Laboratory Sciences.

have obtained pass marks at the Aptitude (IQ/General Knowledge/Fundamentals of the Course of Study) and English language test along with satisfactory performance at the interview conducted by KDU.

### Curriculum

#### First Year First Semester

English and Communication Skills I  
 Information Technology  
 Basic Human Anatomy  
 Human Physiology I  
 Basic Biochemistry  
 Laboratory Practice, Safety and First Aid  
 Basic Physics  
 General Chemistry  
 Basic Laboratory Instrumentation

#### First Year Second Semester

English and Communication Skills II  
 General Pathology  
 Human Physiology II  
 General Microbiology  
 Haematology I  
 Clinical Biochemistry  
 Specimen Collection and Transport

### Second Year First Semester

English and Communication Skills III  
 Clinical Biochemistry II  
 Cytology  
 Haematology II  
 Immunology  
 Systematic Bacteriology  
 Tissues of the body and Histology  
 Cell Biology and Molecular Genetics

### Second Year Second Semester

English and Communication Skills IV  
 Basic Statistics  
 Research Methodology  
 Diagnostic Microbiology  
 Clinical Biochemistry III  
 Haematology III  
 Public Health Microbiology  
 Systematic Parasitology and Medical Entomology  
 Virology & Mycology  
 Laboratory Quality Assurance & Accreditation

### Third Year First Semester

Advanced Instrumentation  
 Work Based Learning (Blood Bank Serology)  
 Work Based Learning  
 Haematology I  
 Work Based Learning (Cytology and Histology I)  
 Work Based Learning (Clinical Biochemistry I)  
 Work Based Learning (Microbiology I)

### Third Year Second Semester

Work Based Learning (Haematology II)  
 Work Based Learning (Cytology and Histology II)  
 Work Based Learning (Clinical Biochemistry II)  
 Work Based Learning (Microbiology II)

### Fourth Year First Semester

Work Based Learning (Night Laboratory)  
 Work Based Learning (Sexually Transmitted Diseases)  
 Work based Learning (Instrumentation)  
 Work Based Learning (Medical Parasitology & Entomology)  
 Clinical Laboratory Management  
 Advanced Clinical Haematology

### Fourth Year Second Semester

Environmental Toxicology  
 Immunohistochemistry  
 Advanced Microbiology  
 Biotechnology & Molecular Techniques  
 Research Project



## BSc (Hons) in Nursing

At a glance		
Contact	: Assistant Registrar	
E-mail	: arfahs@kdu.ac.lk	
Tel	: +94-71-0213134	
Course fee structure		
Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 100,000.00	USD 10,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing Bachelor of Science Honours in Nursing

The Faculty of Allied Health Sciences provides an opportunity to obtain a Bachelor of Science Honours in Nursing degree. The BSc Nursing curriculum is designed to develop a holistic approach to nursing care. The Curriculum encompasses scientific and humanistic foundation for nursing practice and enables the students to develop competencies related to prevention, maintenance, cure, rehabilitation & promotion of health. The BSc (Hons) in Nursing degree awarded is equivalent to exit Level 6 of SLQF (Sri Lanka Qualification Framework). The degree programme is fulltime and module based with 126 credits allocated to modules. Each academic year consists of two (02) semesters. The academic work consists of lectures and other teaching & learning activities to acquire knowledge in relation to topics in the curriculum and clinical training to acquire competency based skills and attitudes of a nurse. The candidates will spend four (04) academic years to qualify for BSc (Hons) in Nursing degree and the medium of instructions is English. Nurses serving under the Ministry of Defence, Ministry of Health, private sector or overseas who fulfil the eligibility criteria are eligible to enroll as Lateral Entrants to the BSc degree programme in the first semester of second academic year leading to the award of BSc (Hons) in Nursing degree after three (3) years of study.

### Why Choose BSc (Hons) in Nursing?

BSc Nursing undergraduates at KDU will be able to obtain

- clinical training at University Hospital KDU and state hospitals.
- exposure to the modern advances of healthcare systems in developed countries through collaboration programmes with foreign universities.

BSc Nursing graduates are capable of developing a career,

- as nursing officers in University Hospital KDU, state and private sector hospitals and community health care sector etc..
- as nursing officers in foreign countries.
- as academic staff members in universities and other teaching institutions.
- as researchers in state and private sector institutions.

### Eligibility criteria

#### Direct entry

- Be between 17-24 years of age by the closing date of applications.

And,

- Be eligible to apply for admission to state universities and have fulfilled the following requirements:
  - Has a minimum of three simple (S) passes at the GCE (A/L) examination in Biological or Physical Science stream
  - Has at least a credit pass for English at the GCE (O/L) examination
  - Has passed the Common General Test conducted by the UGC

And,

- Candidates applying with foreign high school diplomas or any other foreign qualifications (as deemed parallel to local GCE (A/L) examination by the UGC) should pass SAT and TOFEL examinations with a minimum score of 550 and 120 respectively or IELTS (Academic) with a minimum overall band score of 6.5.

And,

- Obtain pass marks at the Aptitude and English Language tests, Psychometric test and at the interview conducted by KDU.

And,

- A height of four (4) feet and 10 inches or above is required to enroll to the programme.

And,

- Candidates who are citizens of Sri Lanka fall into either non-payment or payment categories and all foreign candidates should be on payment category.

#### Lateral Entry

- Have a Diploma/ Certificate in nursing and are registered with the Sri Lanka Medical Council (SLMC)/Sri Lanka Nursing Council (SLNC) or relevant professional regulatory authority in their respective country at the date of closing applications.

- Have a minimum of five (5) years service under the Ministry of Health/ Ministry of Defence, private sector or overseas at the date of closing applications.

- Be below 40 years of age at the date of closing applications.

- Have passed in three Science subjects at the GCE Advanced Level Examination in one sitting or equivalent qualifications obtained in an overseas examination.

- Have at least a credit pass in English language in GCE Ordinary Level Examination or London O/L Examination or a minimum band score of 6.5 in IELTS (Academic).

- Have appropriate fitness to pursue the course.

- Have obtained pass marks at the Aptitude (IQ/general knowledge/fundamentals of the course of study) and English language tests conducted by KDU along with satisfactory performance at the interview.

### Curriculum

#### First Year First Semester

English and Communication Skills I  
Information Technology  
Basic Human Anatomy  
Human Physiology I  
Sociology and Anthropology  
Introduction to Psychology  
Basic Biochemistry  
Nursing Skills Practice I  
Communication Skills in Nursing  
Fundamentals of Nursing

#### First Year Second Semester

English and Communication Skills II  
General Pathology  
Human Physiology II  
Biochemistry for Physiotherapists & Nurses  
Nursing Skills Practice II  
Pharmacology I  
Fundamentals of Nursing II  
Human Anatomy for Nurses  
History, Ethics and Professional Development  
Microbiology and Parasitology I

#### Second Year First Semester

English and Communication Skills III  
Adult Nursing I  
Pharmacology II  
Nursing Skills Practice III  
Child Health Nursing I  
Gynaecology & Obstetric Nursing I  
Nutrition & Dietetics  
Systemic Pathology  
Microbiology and Parasitology II

#### Second Year Second Semester

English and Communication Skills IV  
Basic Statistics  
Research Methodology  
Adult Nursing II  
Nursing Skills Practice IV  
Child Health Nursing II  
Gynaecology & Obstetric Nursing II

#### Third Year First Semester

Adult Nursing III  
Community Health Nursing I  
Nursing Skills Practice V  
Child Health Nursing III  
Gynaecology & Obstetric Nursing III  
Epidemiology  
Trends and Issues in Nursing  
Psychiatric & Mental Health Nursing I

#### Third Year Second Semester

Adult Nursing IV  
Nursing Skills Practice VI  
Child Health Nursing IV  
Community Health Nursing II  
Psychiatric & Mental Health Nursing II

#### Fourth Year First Semester

Leadership & Management  
Health Teaching & Learning  
Family Nursing  
Surgical & Medical Nursing Clinical Training  
Mental Health Nursing Clinical Training  
Maternal & Women's Health Clinical Training  
Child Health Nursing Clinical Training

#### Fourth Year Second Semester

Emergency & Trauma Nursing  
Critical Care Nursing  
Palliative Care Nursing  
Geriatric Nursing  
Operating Theatre Nursing  
Applied Clinical Nursing  
Research Project



## B Pharm (Hons)

### At a glance

Contact	: Assistant Registrar
E-mail	: arfahs@kdu.ac.lk
Tel	: +94-71-0213134

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 1,000,000.00	USD 10,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit		

### Introducing B Pharm (Hons)

The Bachelor of Pharmacy (B Pharm) curriculum has been designed in a way that the students can acquire sufficient understanding of the principles and techniques related to pharmaceutical science and pharmacy practice. It will create graduates with coordinated understanding, comprehensive knowledge, and expertise in all disciplines of pharmacy. The design of the curriculum was based on Sri Lanka Qualifications Framework issued by the Ministry of Higher Education. The benchmark statement of the Quality Assurance Agency for Higher Education, United Kingdom was used as a guidance, as there are no local benchmark statements for Pharmacy. The degree contains fifty-five (55) course units which are distributed in (08) eight semesters. Each course unit consists of one or more components such as lectures, guided reading hours, tutorials and laboratory, hospital, community, industry, regulatory based practical sessions. As the practical sessions are conducted subsequent to the relevant theory components, the students have the opportunity to build their skills upon the knowledge gained. The course units are evaluated and graded by written, practical, viva-voce, portfolio assessment, or OSPE/OSCE examinations as specified.

The extent of work expected for a subject area is expressed in credits. The total number of credits of the programme is 125. The curriculum addressed all three domains of learning; cognitive attitudes and skills to achieve the final learning outcome.

### Why Choose B Pharm (Hons)?

Producing quality pharmacists to contribute to the advancement of the pharmacy profession in the country.

Forging a strong teaching partnership with the Hospital authorities, Ministry of health, community pharmacies, and local pharmaceutical manufacturers.

Providing an array of innovative learning environments with balanced knowledge and practice-based teaching.

A career in pharmacy, paves way for golden opportunities for a young career aspirant.

### Eligibility criteria

#### Direct Entry

Candidates who are citizens of Sri Lanka fall into the categories of either non-payment or payment categories and all foreign candidates should be on payment category. A person is eligible for admission to the course of study leading to the award of B Pharm Honours Degree Programme provided if he/ she meets the following conditions.

- I. be between 17-24 years of age by the closing date of applications
- And
- II. Be eligible to apply for university admission and have fulfilled the following requirements,
  - a. Have a minimum of three Simple passes (S) at the General Certificate in Education (GCE) Advanced Level (A/L) examination in Biological or Physical Sciences stream.
  - b. Have at least a Credit pass (C) for Chemistry at the GCE (A/L) examination.
  - c. Have at least a Credit pass (C) for English at the GCE (O/L) examination.
  - d. Have passed the Common General Test conducted by the Department of Examinations.
- Or
- III. Equivalent qualifications in London A/Ls (Cambridge or Edexcel) or in any other equivalent foreign examination
- Or
- IV. Candidates applying with foreign high school diplomas should pass SAT and TOEFL examinations with a minimum score of 550 / 120 respectively or IELTS (Academic) with a minimum overall band score of 6.5.
- And
- V. Have pass marks at the Aptitude test (IQ/ General Knowledge/ Subject Knowledge) and English language test conducted by KDU along with satisfactory performance at the interview.

#### Lateral Entry

Professional Pharmacists serving under the Ministry of Defence or Ministry of Health who fulfill the criteria listed below are eligible to enroll as lateral Entrants to the B Pharm programme in the first semester of the second academic year leading to the award of B Pharm (Hons) degree after three (3) years of study.

The applicants should,

- I. have a Diploma in Pharmacy and registered with the Sri Lanka

Medical Council (SLMC) at the date of closing applications.

II. have a minimum of five (5) years' service under the Ministry of Health/ Ministry of Defence at the date of closing applications.

III. be below 40 years of age at the date of closing applications.

IV. have passed in three Science subjects at the GCE Advanced Level Examination in one sitting including a credit 'C' pass for Chemistry.

V. have at least a pass in the English language in GCE Ordinary Level Examination or London O/L Examination or a minimum band score of 6.5 in IELTS (Academic).

VI. have appropriate fitness to pursue a course of Bachelor in Pharmacy.

VII. have obtained pass marks at the Aptitude (IQ/General Knowledge/Fundamentals of the Course of Study) and English language tests along with a satisfactory performance at the interview conducted by KDU.

### Curriculum

#### First Year First Semester

English and Communication Skills I  
Information Technology  
Basic Human Anatomy  
Human Physiology I  
Sociology and Anthropology  
Introduction to Psychology  
Basic Biochemistry  
Pharmaceutical Chemistry I (Organic)  
Laboratory Safety and First Aid

#### First Year Second Semester

English and Communication Skills II  
General Pathology  
Human Physiology II  
Pharmaceutics I  
Biochemistry for Pharmacist  
Pharmaceutical Chemistry II (Analytical)  
General Microbiology  
Pharmaceutical Mathematics

#### Second Year First Semester

English and Communication Skills III  
Pharmaceutics II (Pharmaceutical Dosage Forms)  
Pharmacology I  
Pharmacognosy I  
Microbiology for Pharmaceutical Industry  
Physical Pharmacy I  
Pharmaceutical Chemistry III (Instrumentation)

#### Second Year Second Semester

English and Communication Skills IV  
Basic Statistics  
Basic Research Methodology  
Pharmaceutics III (Pharmaceutical Dosage Forms)  
Pharmacology II  
Pharmacognosy II  
Forensic Pharmacy  
Physical Pharmacy II

#### Third Year First Semester

Pharmaceutics IV (Pharmaceutical Dosage Forms)  
Pharmacology III  
Pharmacognosy III  
Community Pharmacy Practice  
Pharmaceutical Technology I  
Medicinal Chemistry I  
Biopharmaceutics

#### Third Year Second Semester

Dispensing Pharmacy  
Pharmaceutical Biotechnology  
Medicinal Chemistry II  
Pharmaceutical Technology II  
Pharmacology IV

#### Fourth Year First Semester

Pharmacotherapeutics and Clinical Pharmacy I  
Pharmacy in Public Health Context I  
Practice of Pharmacy  
Pharmaceutics V  
Management and Marketing for Pharmacy

#### Fourth Year Second Semester

Research Project  
Pharmacotherapeutics and Clinical Pharmacy II  
Pharmacy in Public Health Context II  
Preparation for Practice  
Pharmaceutical Laboratory  
Structured Professional Experience Placement





## BSc (Hons) in Physiotherapy

### At a glance

Contact : Assistant Registrar

E-mail : arfahs@kdu.ac.lk

Tel : +94-71-0213134

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 1,200,000.00	USD 10,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	Rs. -	-

### Introducing BSc (Hons) in Physiotherapy

The Bachelor of Science (Hons) in Physiotherapy programme offers a dynamic approach to the study of physiotherapy and provides students with the problem solving abilities to become a competent professional physiotherapist along with research and evidence based practice. This course prepares the students to offer a high standard physiotherapy service to meet the local and international demands. These graduates will be able to undertake a comprehensive examination of the patients, evaluate the findings from examination, formulate a diagnosis, implement a physiotherapy intervention and make recommendations for home-management.

In addition, this programme is designed to offer the BSc. (Hons) in Physiotherapy degree for lateral entry students as well. The lateral entrants who have completed the eligibility criteria are entitled to the programme at the beginning of the 1st semester of the 2nd academic year.

Bachelor of Science (Hons) in Physiotherapy degree is in conformity with the recommendations of University Grants Commission (UGC) and are in conformity with Sri Lanka Qualifications Framework (SLQF) covering 120 credits in course work delivered over 4 years.

The designed degree programme is a student-centred to suit the needs of students with differing learning styles and to reinforce self-directed, independent learning. Competency based approach to practice is given priority in the curriculum to enable the graduates to develop holistic approach towards delivery of Health care.

### Why Choose BSc (Hons) in Physiotherapy?

BSc Physiotherapy graduates are capable of developing a career,

as a physiotherapist in KDU University Hospital, state and private sector hospitals and community health care sector etc..

as a physiotherapist in foreign countries.

as an academic staff member in universities and other higher educational institutions.

as a researcher in state and private institutions.

### Eligibility criteria

Candidates who are citizens of Sri Lanka fall into the categories of either nonpayment or payment categories and all foreign candidates should be on payment category.

Be between 17-24 years of age by the closing date of application.

And

Be eligible to apply for university admission and have fulfilled the following requirements.

Have a minimum of three simple passes (S) at the General Certificate in Education (GCE) Advanced Level (A/L) examination in Biological or Physical stream.

Have at least a Credit pass (C) for Physics at the (GCE) (A/L) examination

Have at least a Credit pass (C) for English at the (GCE) (O/L) examination

Have passed the Common General Test conducted by the Department of Examinations.

Or

Equivalent qualifications in London A/L s (Cambridge or Edexcel) or in any other equivalent foreign examination.

Or

Candidates applying with foreign high school diplomas should pass SAT and TOFEL examinations with a minimum score of 550/120 respectively or IELTS (Academic) with a minimum overall band score of 6.5.

And

Have pass mark at the Aptitude test (IQ/ General Knowledge/ Subject Knowledge) and English language conducted by KDU along with satisfactory performance at the interview.

### Lateral Entry

I. Have a Diploma in Physiotherapy and are registered with the Sri Lanka Medical Council (SLMC) or relevant professional regulatory authority in their respective country at the date of closing applications.

II. Have a minimum of five (5) year service under the Ministry of Health/ Ministry of Defence, private sector or overseas at the date of closing applications.

III. Be below 40 years of age at the date of closing applications.

IV. Have passed in three Science subjects at the GCE Advanced Level Examination in one sitting or equivalent qualifications obtained in an overseas examination.

V. Have at least a credit pass in English language in GCE Ordinary Level Examination or London O/L Examination or a minimum band score of 6.5 in IELTS (Academic).

VI. Have appropriate fitness to pursue the course.

VII. Have obtained pass marks at the Aptitude (IQ/general knowledge/fundamentals of the course of study) and English language tests conducted by the KDU along with satisfactory performance at the interview.

### Curriculum

#### First Year First Semester

English Communication Skills I  
Information Technology  
Basic Human Anatomy  
Human Physiology I  
Sociology and Anthropology  
Introduction to Psychology  
Basic Biochemistry  
General Microbiology  
Human Anatomy for Physiotherapists  
Physiotherapy as a Profession

#### First Year Second Semester

English Communication Skills II  
General Pathology  
Human Physiology II  
Biomechanics and Kinesiology  
Physiotherapy Skills (I)  
Electro Physical Agents in Physiotherapy

#### Second Year First Semester

English & Communication Skills III  
Pharmacology for Physiotherapists  
Physiotherapy Skills (II)  
Musculoskeletal Physiotherapy Theory & Practice  
Neurological Physiotherapy Theory & Practice (I)  
Systemic Pathology  
Clinical Practice in Musculoskeletal Physiotherapy (I)

#### Second Year Second Semester

English & Communication Skills IV  
Basic Statistics  
Research Methodology  
Neurological Physiotherapy Theory & Practice (II)  
Common Medical Obstetrics and Gynecological Conditions for Physiotherapists (I)  
Cardio Respiratory and General Surgical Conditions for Physiotherapists (I)  
Introduction to Applied Exercise Science

Physiotherapy in Sports  
Clinical Practice in Neurology and Neurosurgery (I)  
Evidence Based Practice in Physiotherapy

#### Third Year First Semester

Common Medical Obstetrics and Gynaecological Conditions for Physiotherapists (II)  
Cardio Respiratory and General Surgical Conditions for Physiotherapists (II)  
Paediatric Physiotherapy  
Physiotherapy in Community Based Rehabilitation & Geriatric Physiotherapy  
Physiotherapy in Burns  
Clinical Practice in Common Medical Obstetrics and Gynaecological Conditions for Physiotherapists  
Clinical Practice in Neurology and Neurosurgery (II)

#### Third Year Second Semester

Clinical Practice in Cardio Respiratory and General Surgical Conditions for Physiotherapists (I)  
Clinical Practice in Musculoskeletal Physiotherapy (II)  
Clinical Practice in Community Based Rehabilitation (I)  
Clinical Practice in Intensive Care (I)  
Clinical Practice in Paediatric Physiotherapy (I)

#### Fourth Year First Semester

Physiotherapy in Oncology  
Physiotherapy in Occupational Health  
Physiotherapy in War Rehabilitation  
Teaching in Physiotherapy  
Clinical Practice in Neurology & Neurosurgery (III)  
Clinical Practice in Musculoskeletal Physiotherapy (III)  
Clinical Practice in Pediatric Physiotherapy (II)  
Clinical Practice in Cardio Respiratory and General Surgical Conditions (II)  
Clinical Practice in Sports Physiotherapy

#### Fourth Year Second Semester

Research Project  
Human Resource Management  
Clinical Practice in Community Based Rehabilitation (II)  
Clinical Practice in Base Hospital  
Clinical Practice in Intensive Care (II)

## BSc (Hons) in Radiography

### At a glance

Contact	: Assistant Registrar
E-mail	: arfahs@kdu.ac.lk
Tel	: +94-71-0213134

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 1,000,000.00	USD 10,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	Rs. -	-

### Introducing Bachelor of Science in Radiography

The Department of Radiography & Radiotherapy provides an opportunity to obtain a bachelor's degree in Radiography which covers a broad spectrum related to Medical imaging. This programme addresses a wide range of knowledge & skills required to have a successful career in the field of medical radiation technology. Furthermore this programme best suits those who seek a career pathway in a both locally and internationally recognized high demanding fields.

This programme is in conformity with the recommendations of University Grants Commission (UGC) and with Sri Lanka Qualifications Framework (SLQF) covering 120 credits in course work delivered over 4 years. The GPA based assessments are conducted at the end of semesters for evaluation of student learning. The medium of instruction is in English. The candidates spend 4 academic years at FAHS to complete the programme in order to qualify for the BSc Honours degree. The lateral entry students who enter the programmes in the 1st semester of the second year spend 3 academic years at FAHS to complete the programme in order to qualify for the BSc Honours degree. Each academic year consists of two (02) semesters. Each semester consists of 15 to 18 weeks of academic work followed by the assessments.



### Why Choose BSc (Hons) in Radiography?

To be a graduate with sound knowledge, constructive attitudes and skills in the field of Radiography to fulfill the needs of the healthcare sector, higher educational institutes and in medical imaging fields.

To contribute towards the advancement of multidisciplinary research activities locally & internationally.

### Eligibility criteria

Be between 17-24 years of age by the closing date of applications.

And

Be eligible to apply for university admission and have fulfilled the following requirements,

Have a minimum of three Simple passes (S) at the General Certificate in Education (GCE) Advanced Level (A/L) examination in Biological or Physical Sciences stream.

Have at least a Credit pass (C) for Physics at the GCE (A/L) examination to enroll in BSc Honours in Radiography degree programme.

Have at least a Credit pass (C) for English at the GCE (O/L) examination.

Have passed the Common General Test conducted by the Department of Examinations.

Or

Equivalent qualifications in London A/Ls (Cambridge or Edexcel) or in any other equivalent foreign examination

Or

Candidates applying with foreign high school diplomas should pass SAT and TOEFL examinations with a minimum score of 550 / 120 respectively or IELTS (Academic) with a minimum overall band score of 6.5.

And

Obtains pass marks at the Aptitude & English Language tests, Psychometric test and at the interview conducted by KDU.

And

Candidates who are citizens of Sri Lanka fall into either non-payment or payment categories and all foreign candidates should be on payment category.

### Curriculum

#### First Year First Semester

English Communication Skills I  
Information Technology  
Basic Human Anatomy  
Human Physiology I  
Basic Biochemistry  
Sociology and Anthropology  
Introduction to Psychology  
General Physics  
Electronics and Instrumentation  
Medical Imaging Equipment-I  
Radiobiology

#### First Year Second Semester

English Communication Skills II  
General Pathology  
Human Physiology II  
Radiation Physics  
Anatomy for Radiographers  
Medical Imaging Equipment II  
Basic Techniques of Plain Radiography  
Imaging Principles  
Radiation protection I  
Care of patient I

#### Second Year First Semester

English and Communication Skills III  
Principles of Nuclear Imaging  
Fluoroscopy & C-arm – Principles & Equipment  
Computed Tomography-I  
Basics of Maintenance of Equipment  
Ethics in Medical Radiation Technology  
Mammography  
Special Techniques of Plain Radiography  
Care of Patient - II Radiography

#### Second Year Second Semester

English and Communication Skills IV  
Basic Statistics  
Research Methodology  
Computed Tomography-II  
Techniques of Fluoroscopy and Contrast Studies  
Practice of Basic Techniques of Plain Radiography  
Applied Anatomy in Plain Radiography, Mammography & Contrast Studies  
Practice of Imaging Principles  
Quality Assurance in Diagnostic Radiography  
Magnetic Resonance Imaging – I  
Digital Radiography

#### Third Year First Semester

Dental Radiography  
Practice of Special Techniques of Plain Radiography  
Applied Imaging in Plain Radiography, Mammography & Contrast Studies  
Common Diseases of Man for Diagnostic Radiographers  
Magnetic Resonance Imaging II  
Miscellaneous Imaging Techniques

Practice of Magnetic Resonance Imaging – I  
Care of Patient under Special Circumstances

#### Third Year Second Semester

Applied Anatomy CT & MRI  
Practice of Fluoroscopy and Contrast Studies  
Paediatric Imaging  
Maintenance of Radiography Equipment  
Practice of Computed Tomography – I  
In Service Training – Radiography

#### Fourth Year First Semester

Practice of Quality Assurance-Radiography  
Applied Imaging in CT & MRI  
Quality Assurance in CT & MRI  
Principles of Dosimetry& Application for Radiography  
C-arm & Theatre Radiography  
Practice of Mammography  
Practice of Magnetic Resonance Imaging-II  
Practice of Nuclear Imaging  
Practice of Computed Tomography-II  
Practice of Basic and Special Techniques of Plain Radiography  
Practice of Dental Radiography  
Practice of C-arm and Theatre Radiography  
Practice of Quality Assurance-Radiography  
Practice of Pediatric Radiography

#### Fourth Year Second Semester

In service Training-II Radiography-Unit I  
In service Training-II Radiography-Unit II  
In service Training-II Radiography-Unit III  
In service Training-II Radiography-Unit IV  
Research and Presentation  
In service Training-II Radiography-Unit I





## BSc (Hons) in Radiotherapy

### At a glance

Contact : Assistant Registrar  
E-mail : arfahs@kdu.ac.lk  
Tel : +94-71-0213134

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 1,000,000.00	USD 10,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	Rs. -	-

### Introducing Bachelor of Science in Radiotherapy

The Department of Radiography & Radiotherapy provides an opportunity to obtain a bachelor's degree in Radiotherapy which covers a broad spectrum related to Medical radiation therapy. This programme address a wide range of knowledge & skills required to have a successful career in the field of radiation therapy. Furthermore this programme best suits those who seek a career pathway in a both locally and internationally recognized high demanding field.

This programme is in conformity with the recommendations of University Grants Commission (UGC) and with Sri Lanka Qualifications Framework (SLQF) covering 120 credits in course work delivered over 4 years. The GPA based assessments are conducted at the end of semesters for evaluation of student learning. The medium of instruction is English. The candidates spend 4 academic years at FAHS to complete the programme in order to qualify for the BSc Honours degree. The lateral entry students who enter the programmes in the 1st semester of the second year spend 3 academic years at FAHS to complete the programme in order to qualify for the BSc Honours degree. Each academic year consists of two (02) semesters. Each semester consists of 15 to 18 weeks of academic work followed by the assessments.



### Why choose BSc (Hons) in Radiography?

To be a graduate with sound knowledge, constructive attitudes and skills in the field of Radiotherapy to fulfill the needs of the healthcare sector, higher educational institutes and in radiation therapy fields.

To contribute towards the advancement of multidisciplinary research activities locally & internationally.

### Eligibility criteria

Be between 17-24 years of age by the closing date of applications.  
And

Be eligible to apply for university admission and have fulfilled the following requirements,

Have a minimum of three Simple passes (S) at the General Certificate in Education (GCE) Advanced Level (A/L) examination in Biological or Physical Sciences stream.

Have at least a Credit pass (C) for Physics at the GCE (A/L) examination to enrol in BSc Honours in Radiography degree programme.

Have at least a Credit pass (C) for English at the GCE (O/L) examination.

Have passed the Common General Test conducted by the Department of Examinations.

Or

Equivalent qualifications in London A/Ls (Cambridge or Edexcel) or in any other equivalent foreign examination

Or

Candidates applying with foreign high school diplomas should pass SAT and TOEFL examinations with a minimum score of 550 / 120 respectively or IELTS (Academic) with a minimum overall band score of 6.5.

And

Obtains pass marks at the Aptitude & English Language tests, Psychometric test and at the interview conducted by KDU.

And

Candidates who are citizens of Sri Lanka fall into either non-payment or payment categories and all foreign candidates should be on payment category.

### Curriculum

#### First Year First Semester

English Communication Skills I  
Information Technology  
Basic Human Anatomy  
Human Physiology I  
Basic Biochemistry  
Sociology and Anthropology  
Introduction to Psychology  
General Physics  
Electronics and Instrumentation  
Medical Imaging Equipment-I  
Radiobiology

#### First Year Second Semester

English Communication Skills II  
General Pathology  
Human Physiology II  
Radiation Physics  
Anatomy for Radiographers  
Medical Imaging Equipment II  
Basic Techniques of Plain Radiography  
Imaging Principles  
Radiation protection I  
Care of patient I

#### Second Year First Semester

English and Communication Skills III  
Principles of Nuclear Imaging  
Fluoroscopy & C – arm -Principles & Equipment  
Computed Tomography – I  
Basics of maintenance of Equipment  
Ethics in Medical Radiation Technology  
Mathematics I  
Molecular Oncology & Epidemiology  
Principles of Radiotherapy & Oncology  
Radiotherapy Equipment  
Principles of Nuclear Imaging

#### Second Year Second Semester

English and Communication Skills IV  
Basic Statistics  
Basic Research Methodology – I  
Computed Tomography-II  
Anatomy for Radiotherapy  
Practice of Radiotherapy Planning I  
Process of Radiotherapy  
Radiation Protection & Safety 2 For  
Therapy Radiographers  
Treatment Planning Process I

#### Third Year First Semester

Applied Radiotherapy / Oncology 1  
Care of Patient 2 – Radiotherapy  
Common Diseases of Man For Therapy  
Radiographers  
Mathematics II  
Methods & Techniques of Radiotherapy 1  
Practice of Brachytherapy  
Practice of Radiotherapy 1-handling of unsealed sources module room techniques & simulator

#### Third Year Second Semester

Care of Patient Under Special Circumstances  
Methods & Techniques of Radiotherapy II External Beam  
Practice of Radiotherapy II - External Beam  
Quality Assurance in Radiotherapy 1  
Treatment Planning Process 2  
Care of Patient Under Special Circumstances

#### Fourth Year First Semester

Applied Radiotherapy/Oncology II  
Computer Program for Radiotherapist  
Pediatrics Radiotherapy  
Principle of Radiation dosimetry& Application for Radiotherapy  
Quality Assurance In Radiotherapy II

#### Fourth Year Second Semester

Research project and Presentation  
Basic of maintenance of Radiotherapy equipment  
In-service training- Radiotherapy







Welcome to the  
Faculty of

# Built Environment and Spatial Sciences



Faculty of Built Environment and Spatial Sciences is the newest addition to KDU and the first faculty of the Southern Campus, KDU as well. The faculty commenced its degree programmes from January 2015.

The term - built environment refers to human-made surrounding that provides setting for human activity, ranging in scale from building and parks or green space to neighborhoods and cities that can often include their supporting infrastructure, such as water supply, or energy network. Spatial science is typically concerned with the measurement, management, analysis and display of spatial information describing the earth, its physical feature and the built environment. Capturing accurate data ensures that ideas translate into deliverable outcomes. The main focus of the faculty is to be a globally acclaimed centre of excellence in Built Environment and Spatial Sciences.

The Faculty consists of three departments namely, Department of Architecture, Department of Quantity Surveying and Department of Spatial Sciences. These departments conduct four degree programmes for Officer Cadets, Day Scholars and foreign students as well. Further, all those degree programmes have been designed to meet both local and international professional qualifications.



## Degree Programmes

Bachelor of Architecture

Bachelor of Science in Built Environment

Bachelor of Science in  
Built Environment – BSc(BE)

BSc (Hons) in Surveying Sciences

BSc in Quantity Surveying (Hons)

# Bachelor of Architecture

At a glance		
Contact	: Assistant Registrar	
E-mail	: arfbess@kdu.ac.lk	
Tel	: +94-47-2030800	
Course fee structure		
Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,800,000.00	USD 8,000.00
Registration fee 3 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

## Introducing Bachelor of Architecture - BArch

The Department of Architecture conducts academic study programmes in the field of Architecture, namely Bachelor of Architecture and Bachelor of Science in Built Environment. The Department implements well-structured degree programmes to prepare students to be proficient Architects and academically competent personalities. These degree programmes feature a rigorous design-oriented curriculum with a solid foundation in technology, environment, history, society & culture and research & communication. The curriculums also endow students with capability of the challenges and demands of professional practice with capabilities to play leadership and collaborative roles in multidisciplinary environments in the industry. The endeavour of the degree programme is to produce a creative and talented architect who is proficient in the subject and also is sensitive to the society and environment.

## Why Choose Bachelor of Architecture - BArch?

The Bachelor of Architecture (BArch) programme is a five-year curriculum which contains intensive academic studies in Architecture and related subjects required for professional development. This programme has been designed mainly for those who expect to practice as qualified Architects. Graduates holding a Bachelor of Architecture degree will be accredited by the Sri Lanka Institute of Architects (SLIA) after the completion of specified course. Initial action has been taken for receiving accreditation from the SLIA. Qualifications of BArch graduates will be equivalent to SLIA Part I and SLIA Part II after being accredited as aforesaid. After a completion of an appropriate internship experience, they will be eligible for the admission to the SLIA part III qualifying examination, and subsequent registrations required to practice as Chartered Architects.

## Eligibility criteria

### DAY SCHOLARS

Candidates must;  
Be not less than 18 years and not more than 24 years of age at the closing date of applications.

Have completed GCE (A/L) examination as specified below during immediate past year and be qualified for university admission, or possess an equivalent qualification in London A/L (Cambridge or Edexcel) or in any other equivalent foreign examination.

- i. Have a minimum of simple (S) passes for minimum of one(01) from the following subject / subjects;
 

Bio Science	Higher Mathematics	
Chemistry	Physics	Arts
Combined Mathematics	Geography	AND
  - ii. Selected following subject / subjects
 

Commerce	Hindi	Arabic
Hindu Civilization	Buddhist Civilization	History
Business Statistics	Home Economics	Business studies
Islamic Civilization	Chinese	Japanese
Greek & Rome Civilization		Logics
Economics	Basics of Politics	Mathematics
Pāli	English	Sanskrit
French	Sinhala	German
Tamil	Christian Civilization	
- Communication & media studies  
Information & Communication Technology

In addition the candidate must have fulfilled the following requirements:

Have a minimum of Credit (C) pass or above for English in GCE (O/L) examination or in London O/L or in any other equivalent foreign examination

Have a minimum of Credit (C) pass for Mathematics I or Mathematics in GCE (O/L) examination or in London O/L or in any other equivalent foreign examination OR minimum Simple (S) pass for Mathematics in GCE (A/L) in London A/L or in any other equivalent foreign examination

### OFFICER CADETS

Educational qualifications and requirements are as per KDU specifications

## Curriculum

### First Semester

- Design Studio I
- Nature Studies
- Anthropometrics & Ergonomics
- Perspectives & Sciagraphy
- Experiencing Architecture I
- Free Hand Drawing & Colours
- Sri Lankan Studies I - History of Architecture
- Fine Arts & Art History
- Climate Studies
- Ecology I
- Structures I
- Introduction to Computers

## Mathematics

- English: Basic Study Skills
- Military Studies

## Second Semester

- Design Studio II
- Theory of Design
- Architectural Drafting
- Experiencing Architecture II
- Structures Project
- History of World Architecture I
- Society and Built Environment
- Climate Responsive Design I
- Building Technology I
- Creative Expression: Cinema
- Creative Expression: Literature
- English: Advanced Study Skills
- Military Studies

## Third Semester

- Design Studio III
- Theory of Architecture I
- Urban Design I
- Experiencing Architecture III
- Sri Lankan Studies II - History of Architecture
- History of World Architecture II
- Introduction to Green Architecture
- Building Technology II
- Building Economics I
- Architectural Photography
- Communicating in filmic medium – Architectural Videography
- English: Writing and Speaking Skills
- Strategic and Defence Studies
- Military Studies

## Fourth Semester

- Design Studio IV
- Computer Aided 3D Visualization
- Experiencing Architecture IV
- Society and Built environment II
- Sri Lankan Studied III – (Art & Architecture)
- Acoustics
- Lighting I
- Structures II
- Electrical Systems
- Principles of Land Surveying
- Law
- English: Research Writing Skills
- Presentation Skill Development Project
- Military Studies

## Fifth Semester

- Major Design Project (MDP)
- Lighting II
- Housing
- Building Technology III
- Building & Planning Regulations
- Procurement & Contract Administration I
- Profession I
- Research Methods

## Sixth Semester

- Essay on Architecture
- In – Built Professional Training I
- In – Built Professional Training II
- In – Built Professional Training III

## Seventh Semester

- Design Studio V
- Theory of Architecture II
- Society and Built Environment III
- Advanced Climatic Sensitive Design
- Ecology II
- Advanced Construction Technologies
- Project Management
- Fundamentals of Economics
- Languages for Profession: Chinese
- Languages for Profession: French / German

## Eighth Semester

- Design Studio VI
- Architectural Conservation
- Climate Responsive Design II
- Planning
- Building Technology IV
- Principles of Management and Marketing
- Landscape Design
- Interior Design
- Vasthu
- Feng-Shui

## Ninth Semester

- Dissertation
- Profession II
- Procurement & Contract Administration II
- Office Management

## Tenth Semester

- Comprehensive Design Project (CDP)

## Tenth Semester

- Advanced Military Training at Respective Military Academy



## Bachelor of Science in Built Environment – BSc(BE)

At a glance		
Contact	: Assistant Registrar	
E-mail	: arfbess@kdu.ac.lk	
Tel	: +94-47-2030800	
Course fee structure		
Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,125,000.00	USD 8,000.00
Registration fee 3 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	-	-

### Introducing Bachelor of Science in Built Environment



### Why Choose Bachelor of Science in Built Environment?

The Bachelor of Science in Built Environment degree programme aims to provide a rigorous knowledge and competency in the field of Architecture. Curriculum contains intensive academic studies in Architecture and subjects related to Architecture so that the graduates are well prepared to become competent Architects. It is also a professional preparation for those who are entering to related design fields such as Landscape Architecture, Urban Design and Interior Design. Graduates holding a Bachelor of Science in Built Environment degree will be recognized by the Sri Lanka Institute of Architects (SLIA) and will be equivalent to SLIA Part I.

### Eligibility criteria

#### DAY SCHOLARS

Candidates must;  
Be not less than 18 years and not more than 24 years of age to the closing date of applications.

Have completed GCE (A/L) examination as specified below during immediate past year and be qualified for university admission, or possess an equivalent qualification in London A/L (Cambridge or Edexcel) or in any other equivalent foreign examination.

i. Have a minimum of simple (S) passes for minimum of one(01) from following subject / subjects;

Bio Science	Higher Mathematics	
Chemistry	Physics	Arts
Combined Mathematics		Geography

AND

ii. Selected following subject / subjects

Commerce	Hindi	Arabic
Hindu Civilization	Buddhist Civilization	History
Business Statistics	Home Economics	Business studies
Islamic Civilization	Chinese	Japanese
Greek & Rome Civilization		Logics
Economics	Basics of Politics	Mathematics
Pāli	English	Sanskrit
French	Sinhala	German
Tamil	Christian Civilization	
Communication & media studies		
Information & Communication Technology		

In addition the candidate must have fulfilled the following requirements:

Have a minimum of Credit (C) pass or above for English in GCE (O/L) examination or in London O/L or in any other equivalent foreign examination

Have a minimum of Credit (C) pass for Mathematics I or Mathematics in GCE (O/L) examination or in London O/L or in any other equivalent foreign examination OR minimum Simple (S) pass for Mathematics in GCE (A/L) or in any other equivalent foreign examination

#### OFFICER CADETS

Educational qualifications and requirements are as per KDU specifications

### Curriculum

#### First Semester

Design Studio I  
Nature Studies  
Anthropometrics & Ergonomics  
Perspectives & Sciagraphy  
Experiencing Architecture I  
Free Hand Drawing & Colours  
Sri Lankan Studies I - History of Architecture  
Fine Arts & Art History  
Climate Studies  
Ecology I  
Structures I  
Introduction to Computers  
Mathematics  
English: Basic Study Skills  
Military Studies

#### Second Semester

Design Studio II  
Theory of Design  
Architectural Drafting  
Experiencing Architecture II  
Structures Project  
History of World Architecture I  
Society and Built Environment  
Climate Responsive Design I  
Building Technology I  
Creative Expression: Cinema  
Creative Expression: Literature  
English: Advanced Study Skills  
Military Studies

#### Third Semester

Design Studio III  
Theory of Architecture I  
Urban Design I  
Experiencing Architecture III  
Sri Lankan Studies II - History of Architecture  
History of World Architecture II  
Introduction to Green Architecture  
Building Technology II  
Building Economics I  
Architectural Photography  
Communicating in filmic medium – Architectural Videography  
English: Writing and Speaking Skills  
Strategic and Defence Studies  
Military Studies

#### Fourth Semester

Design Studio IV  
Computer Aided 3D Visualization  
Experiencing Architecture IV  
Society and Built environment II  
Sri Lankan Studied III – (Art & Architecture)  
Acoustics  
Lighting I  
Structures II  
Electrical Systems  
Principles of Land Surveying  
Law  
English: Research Writing Skills  
Presentation Skill Development Project  
Military Studies

#### Fifth Semester

Design Studio V (BE)  
Essay on Built Environment  
Lighting II  
Housing  
Building Technology III  
Building & Planning Regulations  
Procurement & Contract Administration I  
Profession I  
Research Methods

#### Sixth Semester

Comprehensive Design project (CDP)  
Architectural Conservation  
Principles of Management & Marketing

#### Seventh Semester

Advanced Military Training at Respective Military Academies



## BSc (Hons) in Surveying Sciences

At a glance		
Contact	: Assistant Registrar	
E-mail	: arfbess@kdu.ac.lk	
Tel	: +94-47-2030800	
Course fee structure		
Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,290,000.00	USD 6,000.00
Registration fee 4 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit		

### Introducing BSc (Hons) in Surveying Sciences



### Why Choose BSc (Hons) in Surveying Sciences?

Objective of Surveying Sciences degree programme is to produce high caliber graduates equipped with essential skills and competence to face diversity of challenges in the fields of Architecture, Quantity Surveying and Surveying Sciences with special emphasis on nationally relevant innovation, creativity and employability enabling to be leaders contributing to environment friendly, technologically advanced, socially viable and economically feasible development in Sri Lanka and elsewhere.

Bachelor of Science in Surveying Sciences (Hons) BSc Hons (Surveying Sciences) degree programme provides students with appropriate knowledge, skills, applications, analyzing and innovations of principles and practices of the discipline complying with academic and professional standards of local and international organizations.

The programme of study leading to award the BSc Hons (Surveying Sciences) Degree comprises with eight (08) academic semesters including industrial training offered over four (04) academic years. On completion of the programme graduates acquire the knowledge and the practical skills required to be a surveyor / geo-spatial professional at the entry level.

### Eligibility criteria

Be between 17-30 year of age.

In order to be eligible for admission to a course of study leading to B.Sc. Hons (Surveying Science), a candidate should have obtained at least 'S' Grades in Physics, Combined Mathematics and in any other subject available at the G.C.E (A/L) Examination.

### Entry Qualifications for Foreign Students.

Candidates who apply with London A/L examination (Cambridge or Edexcel) or any other equivalent foreign examination shall have a minimum of three Simple (S) passes in the maths stream and a credit (C) pass or above for English Language in London O/Ls or in any other equivalent foreign examination.

Candidates who apply with High School Diploma should have passed SAT and TOFEL with minimum score of 79 or IELTS with a minimum score of 6.5.

The applicants who apply under the category of "any other foreign examinations or equivalent qualifications in University Entrance Examination in any other country" are advised to have relevant minimum qualifications at any other foreign examinations that is equal to Sri Lanka GCE A/L. Validation should be obtained from the Department of Examination of Sri Lanka. It is also required to submit a letter from a recognized university/academy/higher educational institutions of the country from which he/she has achieved his/her qualifications certifying that the relevant qualification is sufficient to register in that university/academy/higher educational institution to follow an undergraduate course of study leading to a Bachelor's Degree.

### Curriculum

#### Level 1 - Semester I

Plane Surveying I  
Plane Surveying Practice I  
Draftsman ship  
Calculus  
Geometry and Linear Algebra  
Descriptive Statistics  
Physics I  
Management for Surveyors  
Economics  
English : Basic Study Skills  
Military Studies

#### Level 1 - Semester II

Plane Surveying II  
Plane Surveying Practice II  
Cartography I  
Vectors  
Fundamentals of DBMS  
Inferential Statistics  
Physics II  
Basic in Environmental Sciences  
Accountancy  
English : Advanced Study Skills  
Military Studies

#### Level 2 - Semester III

Plane Surveying III  
Plane Surveying Practice III  
Geodetic Astronomy  
Cartography II  
CAD for Surveyors  
Mathematical Methods  
Computer Science and Programming I  
Fundamentals of Civil Engineering  
Physics III  
Occupational Health & Safety  
Philosophy and Critical Thinking  
Languages  
English : Scientific Writing and Speaking Skills  
Strategic and Defence Studies  
Military Studies

#### Level 2 - Semester IV

Construction Surveying I  
Construction Surveying Practice I  
Adjustment Computation  
Geometric Geodesy  
Fundamentals of Photogrammetry  
Numerical Methods

Computer Science and Programming II  
Spatial Database Management System  
Personality Development and Conflict Resolution  
Fundamentals of Quantity Surveying  
Aspects of Architecture  
English : Research Writing Skills  
Presentation skill Development Project  
Military Studies

#### Level 3 - Semester V

Construction Surveying II  
Construction Surveying Practice II  
Introduction to Hydrography  
Global Navigation Satellite System I  
Cadastral Studies  
Land Law and Real Estate Valuation  
Land Administration and Management  
Professional Practice  
Remote Sensing I  
Geographical Information Science I

#### Level 3 - Semester VI

Global Navigation Satellite System II  
Remote Sensing II  
Digital Photogrammetry  
Geographical Information Science II  
Research Methodology  
Urban and Regional Planning  
Geo-Statistics

#### Level 4 - Semester VII

Hydrographic Data Processing and Visualization  
Remote Sensing III  
Geographical Information Science III  
Sustainability Development  
Disaster Management  
Entrepreneurship Skills  
Project

#### Level 4 - Semester VIII

Bachelor's Thesis  
Industrial Training





## BSc in Quantity Surveying (Hons)

At a glance		
Contact	: Assistant Registrar	
E-mail	: arfbess@kdu.ac.lk	
Tel	: +94-47-2030800	
Course fee structure		
Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,300,000.00	USD 8,000.00
Registration fee 3 years (initial registration)	-	-
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit		

### Introducing BSc in Quantity Surveying (Hons)

We, the Department of Quantity Surveying conduct the undergraduate degree programme for Bachelor of Science (Honours) in Quantity Surveying by four years in full time period. The programme consists of class room sessions, site visits, industrial training including research culture etc.

The degree holders are competent enough to be employed in the industry (local and foreign) in management category and in the advisory capacity as Quantity Surveyors, Commercial Managers, Contract Managers, Project Managers, Claim and Dispute Managers and Adjudicator/Arbitrator with the opportunities available for the academic careers as well. The career development paths can be achieved when embarked on higher studies for Masters and PhDs as well as by obtaining the professional memberships from the respective world recognized professional institutions.



### Why choose BSc in Quantity Surveying (Hons)?

A Graduate Quantity Surveyor could perform general Quantity Surveying Services in terms of plethora of practices (i.e. QS Consultancy Services, Contracting Services, Commercial Development, Government Department etc.) in any sector (i.e. Residential, Hotel, Retail, Aviation, Education, Leisure and Entertainment, Health, Oil and Gas etc.) in any geographical region. With the experience in general Quantity surveying work, the graduates will have the opportunity to advance their career into various areas of specializations like,

- Commercial Management
- Contracts Management
- Claims Management and Dispute Resolution
- Executive Cost Management
- Quantity Surveying academics
- Entrepreneurs to own Quantity Surveying Practice
- Project Management

### Eligibility criteria

Be between 17-30 years of age.

Have completed GCE (A/L) examination during the past three consecutive years or London A/L examination (Cambridge or Edexcel) or any other equivalent foreign examination.

Have a minimum of three Simple (S) passes at the GCE (A/L) examination in the maths stream and be qualified for university admission, or possess an equivalent qualification in London A/L (Cambridge or Edexcel) or in any other equivalent foreign examination.

Have a credit (C) pass or above for English Language at GCE (O/L) examination a credit (C) pass or above for English Language in London O/Ls or in any other equivalent foreign examination.

Candidate who apply with High School Diploma should have passed SAT and TOFEL with a minimum score of 79 or IELTS with a minimum score of 6.5.

The applicants who apply under the category of "any other foreign examination or equivalent qualifications in University Entrance Examinations in any other country" are advise to have relevant minimum qualification at any other foreign examination that is equal to Sri Lanka GCE A/L. Validation should be obtained from the Department of Examination of Sri Lanka. It is also required to submit a letter from a recognized university/academy/ higher educational institutions of the country from which he/she has achieved his/her qualifications certifying that the relevant qualification is sufficient to register in that university / academy / higher educational institution to follow an undergraduate course of study leading to a Bachelor's Degree.

### Curriculum

#### Level 1 - Semester 1

- Construction Technology – I
- Design Appreciation – I
- Statistics
- Information and Communication Technology (ICT)- I
- Professional Practice I (Industry Awareness)
- Introduction to Management
- English – I (Basic Study Skills)
- Economics
- Building Materials
- Link Language Tamil
- Military Studies
- Services – I

- Construction Technology – II
- Surveying and Leveling
- Information and Communication Technology II
- Accounting
- English – II (Advanced Study Skills)
- Skill Development
- QS Group Project Work – I
- Measurement – I
- Law – I (Legal Systems & Law of Contract)
- Design Appreciation II
- Military Studies

#### Level 2 - Semester I

- Cost Control – I
- Drawings and Specifications
- Services – II
- Construction Technology III
- Measurement – II
- QS Group Project Works II
- Pre-contract Management
- English – III (Scientific Writing and Speaking Skills)
- GIS and Remote Sensing
- Law II (Trot/Delict)
- Strategic and Defence Studies
- Military Studies

#### Level 2 - Semester II

- Organizational Behavior
- Project Practices I
- Services III
- Risk Management
- Building Information Modeling
- English IV (Research Writing Skills)
- QS Group Project Work – III

- Price Analysis
- Design Appreciation III (AutoCAD Architectural & Structural)
- Civil Engineering Measurement
- Law III (Construction Law)
- Presentation Skill Development Project
- Military Studies

#### Level 3 - Semester I

- Health and Safety
- Building Economics
- Commercial Management
- Cost Control II
- Claims and Dispute Management
- Law IV (Business Law and Land Law)
- Post Contract Management
- Financial Management & Decision Making
- Design Appreciation IV (AutoCAD MEP Services)
- Project Practices II

#### Level 3 - Semester II

- Construction Technology IV (Specialist Works)
- Law V (Environment and Employment Law)
- Professional Practice II
- Building Pathology
- Sustainable Construction
- Computer Aided Measurement
- Measurement IV (Services)
- Research Methodology
- Human Resource Management

#### Level 4 - Semester I

- Industrial Training

#### Level 4 - Semester II

- Dissertation
- Advanced ICT/BIM & Modeling
- Project Management
- Value Management

#### Level 5 - Semester I (Officer Cadets only)

- Advanced Military Training at Respective Military Academies







# Welcome to the

## Faculty of

# Computing



The Faculty of Computing (FOC) of General Sir John Kotelawala Defence University (KDU) was established in 2015 as the first ever Computing faculty dedicated to offer the broadest spectrum of computing degrees in the Sri Lankan state university system. All the computing degrees offered by FOC are benchmarked with ACM/IEEE international standards. The faculty contributes to teaching and research in theoretical foundations of computing, computer engineering, hardware and software, technological and social aspects of computing, and mathematical and statistical basis of computing. FOC provides an excellent opening for students from GCE (A/L) Physical Science, Bio Science, Arts and Commerce streams to follow a computing degree and secure lucrative employment in the global industry field.

FOC owns fully-fledged lecture theatres and laboratories including a CISCO Certified Network Laboratory. From its inception, the FOC has been striving to establish a research culture and to conduct cutting edge research in Computer Modeling and Simulations, Multi Agent Systems, Ontological Modeling, Machine Translation, Theoretical Computing, Software Engineering, Artificial Intelligence and Brain-mind Simulations. Multiple collaborative research projects based at FOC have launched several research outputs including B Mind simulator and Octopus-Chatbot.

Presently FOC consists of four (04) departments, namely Department of Computer Science, Department of Information Technology, Department of Computer Engineering and Department of Computational Mathematics. The faculty conducts the following four-year degree programmes.

## Degree Programmes

- BSc (Hons) Computer Engineering
- BSc (Hons) Computer Science
- BSc (Hons) Information Systems
- BSc (Hons) Information Technology
- BSc (Hons) Software Engineering
- BSc (Hons) in Data Science and Business Analytics



## BSc (Hons) Computer Engineering

At a glance		
Contact	: Assistant Registrar	
E-mail	: arfoc@kdu.ac.lk	
Tel	: +94-11-0219396	
Course fee structure		
Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 1,650,000.00	USD 6,000.00
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Non Refundable deposit	-	-
Hostel Fee (per Month)	-	USD 300 / 225
Refundable deposit for Hostel fee (for six months payment)	-	USD 1800.00 USD 1350.00

### Introducing BSc (Hons) Computer Engineering

Computer engineering students study the design of digital hardware systems including communications systems, computers and devices that contain computers. They study software development focusing on software for digital devices and their interfaces with users and other devices. This curriculum emphasizes more on hardware than on software. This curriculum has a strong engineering flavor. Further, students will gain insight into practical issues of building and maintaining systems through participation in intensive project-oriented courses. Within this programme, students need to earn 133 GPA credits and 17 NGPA credits for graduation. Officer Cadets require 16 MGPA credits in addition to the aforesaid credits for graduation.

### Why choose BSc (Hons) Computer Engineering?

The degree programme is structured in a way to provide students with a broader computing perspective in the first and second years and focusing on the core computer engineering body of knowledge in the third and fourth years. BSc (Hons) Computer Engineering degree programme focuses on producing competent and well-accomplished engineering professionals who can engineer the design and construct complex computer systems.

The programme focuses on laying down the knowledge in the field of Computer Engineering. By the end of the coursework, the students are well-versed in Engineering Design, Computer Hardware, System Programming, Algorithms, and other aspects of Computer Engineering. The following areas are

covered in the programme including practical experience  
Advanced knowledge of Operating Systems  
Semiconductors and Solid State Devices  
VLSI Design & Fabrication  
Robotics & Automation  
Digital Signal Processing  
Micro-controllers and Embedded Systems  
Digital System Design  
Electronics Systems  
Programming Techniques  
Mobile Computing  
Requirement Engineering  
Artificial Intelligence  
Database Development  
Computer Languages and Tools (C, C++, Java, Python and MATLAB etc.)  
Software Project Management  
Engineering Economics for Software  
Software Verification and Validation

The scope of BSc (Hons) in Computer Engineering degree programme is to produce Engineering tools that are robust, sustainable, reliable and attractive to use at a reasonable cost and to a specified timeframe. This course could help to develop the skills needed to become a professional Computer Engineer. The graduates have countless opportunities when it comes to pursuing a degree in Computer Engineering. They may go for research in the field and there is a wide range of employment opportunities available for graduates of BSc (Hons) in Computer Engineering.

### Eligibility criteria

Completion of G.C.E. (A/L) or London (A/L) (Cambridge or Edexcel) or any other equivalent foreign examination in the relevant or immediately preceding year.

A minimum of three Simple (S) Passes at the A/L examination in the relevant stream and being qualified for university admission.

Followed Combined Mathematics, Physics and any one of the following subjects;  
Chemistry/ Higher Mathematics/ Mathematics/ ICT.

### Curriculum

#### First Year

Fundamentals of Programming  
Programming Laboratory  
Foundation of Computer Science  
Computer Systems Architecture  
Fundamentals of Databases  
Fundamentals of Visual Computing  
Probability and Statistics  
Engineering Mathematics  
Basic Study Skills in English  
Group Project in Hardware  
Military Studies  
Principles of Management

Developments in Mathematics & Sciences  
Object Oriented Programming I  
Object Oriented Programming Laboratory  
Web Development  
Computer Networks I  
Fundamentals of Electrical Engineering  
Basic Electronics  
Discrete Mathematics including practical experience  
Military Studies

#### Second Year

Data Structures and Algorithms I  
Operating Systems  
Object Oriented Programming II  
Computer Networks II  
Requirement Engineering  
Electronics Systems  
Calculus & Numerical Methods  
Group project in Software Development  
Military Studies I  
Data Structures and Algorithms II  
Advance Computer Architecture & Organization  
Artificial Intelligence  
Software Project Management  
Software Process Engineering  
Statistical Distributions and Inference  
Computer Interfacing & Microprocessors  
Group project in Software Development  
Military Studies II

#### Third Year

UX and UI Engineering  
Mobile Computing  
Advanced Databases and Big data analytics  
Concurrent programming  
Computer & Network Security  
Image Processing & Computer Vision  
Bio informatics  
Essentials of Computer Law  
Research Methodology  
Logic Programming  
Fluid Mechanics  
Digital Signal Processing  
Computer Systems Engineering  
Computer Graphics & Visualization  
Automata Theory  
Information Security  
High Performance Computing  
Complex Systems and Agent Technology

Social Aspects of Computing  
Modeling & Simulation  
Digital Forensic  
Applied Mechanics  
Micro-controllers and Embedded Systems  
Electrical Properties of Materials  
Digital System Design  
Independent Study

#### Fourth Year

Semiconductors and Solid State Devices  
Advanced Operating Systems  
VLSI Design & Fabrication  
Robotics & Automation  
Emerging Trends in Computing  
Theory of Programming Languages  
Natural Language Processing  
Machine Learning  
Compilers Design  
Artificial Cognitive Systems  
Distributed Systems  
Advanced Topics in Statistics  
Individual Research Project  
Industrial Training





## BSc (Hons) Computer Science

### At a glance

Contact	: Assistant Registrar
E-mail	: arfoc@kdu.ac.lk
Tel	: +94-11-0219396

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD)
Tuition fee	Rs. 1,000,000.00	USD 6,000.00
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Non Refundable deposit	-	-
Hostel Fee (per Month)	-	USD 300 / 225
Refundable deposit for Hostel fee (for six months payment)	-	USD 1800.00 USD 1350.00

### Introducing BSc (Hons) Computer Science

The intention of formulating this programme is to provide IT specialists for the tri-services and to serve the growing demand for theoretically specialized graduates in the modern industry locally as well as internationally. This programme has been designed futuristically taking into account the needs of the industry and employability of the graduates produced. Our curriculums have been designed according to ACM/IEEE international standard and it has been approved by the University Grants Commission of Sri Lanka. The modules in this programme span a wide range, from its theoretical and algorithmic foundations to cutting-edge developments in robotics, computer vision, intelligent systems, bioinformatics, and other exciting areas. Further, students will gain insight into practical issues of building and maintaining systems through participation in intensive project-oriented courses.

Within this programme students need to earn 129 GPA credits and 17 NGPA credits for graduation. Officer Cadets require 16 MGPA credits in addition to the aforesaid credits for graduation.

### Why choose BSc (Hons) Computer Science?

The degree programme offers a study of the theory and practical aspects of computing. It also ensures that the candidate is well-versed in engineering, which forms the basis for the design and use of computers. Students also undergo a compulsory industrial training during the fourth year.

The programme focuses on building a candidate's fundamentals in the field of Computer Sciences. By the end of the coursework, the students are well-competent in programming, algorithms, and Mathematics. The course includes the following components of study such as:

Programming techniques  
Object-oriented programming  
Mobile computing  
Requirement engineering  
Arduino microcontrollers  
Artificial intelligence  
Computational mathematics  
Database development  
Electronics  
Operating systems  
High-performance computing  
Computer language and tools (C++, Java, Android, SQL, Python and MATLAB etc)

The scope of BSc(Hons) in Computer Science is quite broader. The field of Science and Technology is ever growing and the scope it has to offer is based upon the principles of research and development. The graduates have countless opportunities when it comes to pursuing a degree in Computer Science. They may go for research in the field and there is a wide range of employment opportunities available for graduates of BSc(Hons) in Computer Science, such as in:

Software development companies  
Research and development companies  
Computer hardware systems companies  
Computer networking companies  
Design and development companies  
Government as well as Private IT, engineering and academic institutions.

### Eligibility criteria

Completion of G.C.E. (A/L) or London (A/L) (Cambridge or Edexcel) or any other equivalent foreign examination in the relevant or immediately preceding year.

A minimum of three Simple (S) Passes at the A/L examination in the relevant stream and being qualified for university admission.

Followed Combined Mathematics, Physics and any one of the following subjects;  
Chemistry/ Higher Mathematics/ Mathematics/ ICT.



### Curriculum

#### First Year

Fundamentals of Programming  
Programming Laboratory  
Foundation of Computer Science  
Computer Systems Architecture  
Fundamentals of Databases  
Fundamentals of Visual Computing  
Probability and Statistics  
Engineering Mathematics  
Basic Study Skills in English for CS/CE/SE  
Military Studies I  
Developments in Mathematics & Sciences  
Object Oriented Programming I  
Object Oriented Programming Laboratory  
Web Development  
Computer Networks I  
Fundamentals of Electrical Engineering  
Basic Electronics  
Discrete Mathematics  
Group Project in Hardware  
Military Studies II

#### Second Year

Data Structures and Algorithms I  
Operating Systems  
Object Oriented Programming II  
Computer Networks II  
Requirement Engineering  
Electronics Systems  
Calculus & Numerical Methods  
Military Studies III  
Data Structures and Algorithms II  
Advance Computer Architecture & Organization  
Artificial Intelligence  
Software Project Management  
Software Process Engineering  
Statistical Distributions and Inference  
Computer Interfacing & Microprocessors  
Group project in Software Development  
Military Studies IV  
Principles of Management

#### Third Year

UX and UI Engineering  
Advanced Databases and Big Data Analytics  
Concurrent Programming  
Image Processing & Computer Vision  
Essentials of Computer Law  
Research Methodology  
Logic Programming  
Mobile Computing  
Computer & Network Security  
Bioinformatics  
Software Design & Architecture  
Computer Graphics & Visualization  
Automata Theory  
High Performance Computing  
Complex Systems and Agent Technology  
Information Security  
Social Aspects of Computing  
Digital Forensic  
Modelling and Simulation  
Nature Inspired Computing  
Operational Research  
Microcontrollers and Embedded Systems  
Independent Study

#### Fourth Year

Emerging Trends in Computing  
Theory of Programming Languages  
Natural Language Processing  
Machine Learning  
Artificial Cognitive Systems  
Computability and Complexity  
Semantic Web and Ontology  
Distributed Systems  
Computer Music  
Advanced Operating Systems  
Robotics & Automation  
Formal Methods and Software Verifications  
Advanced Topics in Statistics  
Individual Research Project (4 Credits in Semester 7)  
Individual Research Project (5 Credits for Semester 8)  
Industrial Training

## BSc (Hons) Information Systems

### At a glance

Contact : Assistant Registrar  
E-mail : arfoc@kdu.ac.lk  
Tel : +94-11-0219396

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 750,000.00	USD 6,000.00
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Non Refundable deposit	-	-
Hostel Fee (per Month)	-	USD 300 / 225
Refundable deposit for Hostel fee (for six months payment)	-	USD 1800.00 USD 1350.00

### Introducing BSc (Hons) Information Systems

Bachelor of Science Honours in Information Systems Degree – BSc Hons (IS) programme at KDU has been designed in accordance with ACM/IEEE international guidelines. BSc Hons (IS) degree programme provides students with an appropriate understanding of Foundations of Information Systems, Data & Information Management, Enterprise Architecture, Project Management, IT Infrastructure, Systems Analysis & Design, and IS Strategies. Further, they must understand concepts and processes for achieving organizational goals with Information Systems. In addition to sound technical knowledge and organizational understanding, they must understand, analyze and make use of the fundamental concepts related to organizational processes and systems, thereby apply various tools and techniques on how vast amount of data collected by modern organizations can be used to review, redesign, and improve processes. Students need to earn 133 GPA Credits and 16 NGPA Credits for the graduation. Officer Cadets require 18 MGPA Credits on top of the above for graduation.

### Why Choose BSc (Hons) Information Systems?

The degree programme is structured in such a way to provide students with a broader Information Systems (IS) perspective in the first and second years. Furthermore, it focuses on the core IS body of knowledge in the third and fourth years. BSc (Hons) Information Systems programme focuses on producing competent and well accomplished IS professionals who can critically analyse and identify software systems needed for business organizations.

BSc Hons (IS) degree programme provides students with an appropriate understanding of Foundations of Information Systems, Data & Information Management, Enterprise Architecture, Project Management, IT Infrastructure, Systems Analysis & Design, and IS Strategies. Further, they must understand concepts and processes for achieving organizational goals with Information Systems. In addition to sound technical knowledge and organizational understanding, they must understand, analyse and make use of the fundamental concepts related to organizational processes and systems, thereby apply various tools and techniques on how vast amount of data collected by modern organizations can be used to review, redesign, and improve processes. After completing the degree students will be able to achieve;

1. Understand the fundamental concepts related to organizational processes
2. Understand general principles of process analysis in order to apply them to specific situations
3. Analyse existing processes based on interviewing, observation, documentation analysis, and other similar methods
4. Understand how very large amounts of data collected by modern organizations can be used to review, redesign, and improve processes
5. Identify and capture the essential findings from large amount of data produced by the analysis process
6. Research and apply industry reference models and best practices in order to improve process designs
7. Use analysis results as a basis for designing revised processes based on the graduates' strong understanding of both organizations and information technology
8. Simulate proposed processes and revising them as necessary
9. Negotiate solutions that satisfy the political requirements for new processes
10. Understand the limitations of what can be achieved with available technology, financial resources, and organizational capabilities.
11. Lead the implementation of new processes.
12. Customize processes to address cultural and ethnic needs.

### Eligibility criteria

Completion of G.C.E. (A/L) or London (A/L) (Cambridge or Edexcel) or any other equivalent foreign examination in the relevant or immediately preceding year.

A minimum of three Simple Passes (S) at the A/L examination in the relevant stream and being qualified for university admission.



### Curriculum

#### First Year

Information Technology Concepts  
Fundamentals of Computer Programming  
Fundamentals of Computer Systems  
Fundamentals of Visual Computing  
Career Development Plan  
Mathematics for IT-1  
English Study Skills (ICT)  
Principles of Management  
Leadership Training  
Military Studies I  
Computer Systems Architecture  
Object Oriented Programming  
System Analysis and Design  
Fundamentals of DBMS  
Visual Computing Project (Group)  
IoT Applications and Design  
Probability and Statistics  
Presentation Skills for ICT  
Military Studies II

#### Second Year

Computer Network Systems – I  
Object Oriented Designing  
Data and Information Management  
Rapid Application Development  
Software Engineering  
UX and UI Engineering  
Mathematics for IT- II  
Strategic Defence Studies  
Military Studies III  
Web Technologies  
Data Structures and Algorithms  
Computer Network Systems – II  
Industry based Software Engineering Project  
Project Management  
Operating Systems  
Research Methodology  
Statistical Distribution and Inference  
Human Resource Management  
Military Studies IV

#### Third Year

Accounting Principles and Costing  
Principles of Economics  
Strategic Management  
Computer Ethics and IT Law  
Knowledge Management  
Advanced Web Technologies  
Enterprise Resource Planning Systems  
Operational Research  
Management Information Systems  
Marketing and Management  
E-Commerce  
Financial Management Concepts  
Independent Study  
Organizational Behavior  
Software Quality Assurance  
GIS and Remote Sensing  
Ergonomics  
Machine Learning Essentials of Artificial Intelligence

#### Fourth Year

System Acquisition Management  
IS Auditing and Control  
Business Process Re-Engineering  
Production and Operation Management  
Enterprise Architecture  
Image Processing  
Social Analysis and Social Media  
Emerging Technologies in ICT  
Industrial Training  
Individual Research Project





## BSc (Hons) Information Technology

### At a glance

Contact	: Assistant Registrar
E-mail	: arfoc@kdu.ac.lk
Tel	: +94-11-0219396

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 750,000.00	USD 6,000.00
Library fees	Rs. 2,000.00	LKR 2,000.00
Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Non Refundable deposit	-	-
Hostel Fee (per Month)	-	USD 300 / 225
Refundable deposit for Hostel fee (for six months payment)	-	USD 1800.00 USD 1350.00

### Introducing BSc (Hons) Information Technology

Bachelor of Science Honours in Information Technology Degree -BSc Hons (IT) at KDU has been designed in accordance with ACM/IEEE international guidelines. This Degree programme provides students with an appropriate understanding of Software Technologies and Applications, Software Engineering, Network Technologies, Web Technologies, and Industrial Knowledge. Further, they must understand the concepts and processes for achieving organizational goals with Information Technology. In addition to sound technical knowledge and organizational understanding, they must possess thinking skills, the ability to analyze business problems, communication skills, and teamwork skills in face-to-face and virtual settings. Students need to earn 131 GPA Credits and 18 NGPA credits for graduation. Officer Cadets require 18 MGPA Credits in addition for graduation.

### Why choose BSc (Hons) Information Technology?

The degree programme is structured in such a way to provide students with a broader Information Technology (IT) perspective in the first and second years. Furthermore, it focuses on the core IT body of knowledge in the third and fourth years. BSc (Hons) Information Technology programme focuses on producing competent and well-accomplished IT professionals who can engineer the design and construct hardware and software system needed for business organizations.

BSc Hons (IT) Degree programme provides students with an appropriate understanding of Software

Technologies and Applications, Software Engineering, Network and security Technologies, Web Technologies, and Industrial Knowledge. Further, they must understand the concepts and processes for achieving organizational goals with Information Technology. In addition to sound technical knowledge and organizational understanding, they must possess thinking skills, the ability to analyse business problems, communication skills, and teamwork skills in face-to-face and virtual settings. After completing the degree students will be able to achieve;

1. Analyse complex, real-world problems to identify and define computing requirements and apply computational approaches to the problem-solving process.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the IT discipline.
3. Communicate effectively with diverse audiences the technical information that is consistent with the intended audience and purpose.
4. Make informed judgments and include unique perspectives of others in computing practice based on legal and ethical principles.
5. Function effectively on teams and employ self- and peer-advocacy to address bias in interactions, establish goals, plan tasks, meet deadlines, manage risk, and produce deliverables.
6. Identify and analyse user needs and consider them during the selection, integration, and administration of computer-based systems.

### Eligibility criteria

Completion of G.C.E. (A/L) or London (A/L) (Cambridge or Edexcel) or any other equivalent foreign examination in the relevant or immediately preceding year.

A minimum of three Simple Passes (S) at the A/L examination in the relevant stream and being qualified for university admission.

### Curriculum

#### First Year

Information Technology Concepts  
 Fundamentals of Computer Programming  
 Fundamentals of Computer Systems  
 Fundamentals of Visual Computing  
 Career Development Plan  
 Mathematics for IT-1  
 English Study Skills (ICT)  
 Principles of Management  
 Leadership Training  
 Military Studies I  
 Computer Systems Architecture  
 Object Oriented Programming  
 System Analysis and Design  
 Fundamentals of DBMS  
 Visual Computing Project (Group)  
 IoT Applications and Design  
 Probability and Statistics  
 Presentation Skills for ICT  
 Military Studies II

#### Second Year

Computer Network Systems – I  
 Object Oriented Designing  
 Data and Information Management  
 Rapid Application Development  
 Software Engineering  
 UX and UI Engineering  
 Mathematics for IT- II  
 Strategic Defence Studies  
 Military Studies III  
 Web Technologies  
 Data Structures and Algorithms  
 Computer Network Systems – II  
 Industry based Software Engineering Project  
 Project Management  
 Operating Systems  
 Research Methodology  
 Statistical Distribution and Inference  
 Human Resource Management  
 Military Studies IV

#### Third Year

Advanced Multimedia Technologies  
 Information and Data Security  
 Advanced Computer Networks Systems - I  
 Programming Frameworks  
 Advanced Web Technologies  
 Enterprise Resource Planning Systems  
 Computer Ethics and IT Law  
 Mobile Computing  
 Service Oriented Web Programming  
 Cyber Security  
 Cloud Computing and Virtualization  
 Programming Distributed Components  
 Independent Study  
 Software Quality Assurance  
 GIS and Remote Sensing  
 Ergonomics  
 Essentials of Artificial Intelligence

#### Fourth Year

Data Mining and Data Warehousing  
 Advanced Computer Network Systems - II  
 Semantic Web and Ontology  
 Database Administration  
 Image Processing  
 Social Analysis and Social Media

Emerging Technologies in ICT  
 Machine Learning  
 Industrial Training  
 Individual Research Project



## BSc (Hons) Software Engineering

At a glance			
Contact	: Assistant Registrar		
E-mail	: arfoc@kdu.ac.lk		
Tel	: +94-11-0219396		
Course fee structure			
Item	Local Students (LKR)	Foreign Students (USD)	Per Annum
Tuition fee	Rs. 1,200,000.00	USD	6,000.00
Library fees	Rs. 2,000.00	LKR	2,000.00
Refundable library deposit	Rs. 4,000.00	LKR	4,000.00
Non Refundable deposit	-	-	-
Hostel Fee (per Month)	-	USD	300 / 225
Refundable deposit for Hostel fee (for six months payment)	-	USD	1800.00 / 1350.00

### Introducing BSc (Hons) Software Engineering

BSc (Hons) in Software Engineering programme is concerned with the development and maintenance of software systems that behave reliably and efficiently. This programme is different in character from other engineering disciplines due to both intangible nature of software and the discontinuous nature of software operation. Modules of this programme seek to integrate the principles of mathematics and computer science with the engineering practices developed for tangible, and physical artifacts. Degree programmes in software engineering have many courses. This programme offers more towards software reliability and maintenance and focuses more on techniques of developing and maintaining software that is correct from its inception. The curriculum has been designed according to ACM/IEEE international standard and it has been approved by the University Grants Commission of Sri Lanka. Within this programme, students need to earn 129 GPA credits and 17 NGPA Credits for graduation. Officer Cadets require 16 MGPA credits in addition to the aforesaid credits for graduation.

### Why Choose BSc (Hons) Software Engineering?

The degree programme is structured in such a way to provide students with a broader computing perspective in the first and second years and focusing on the core software engineering body of knowledge in the third and fourth years. BSc (Hons) Software Engineering degree programme focusses on producing competent and well-accomplished computer professionals who can engineer the design and construct complex software systems.

The programme focuses on building a candidate's fundamentals in the field of Software Engineering. By the end of the coursework, the students are well-versed in programming, algorithms, and software engineering aspects. The following components are covered in the programme:

Programming techniques  
Object-oriented programming  
Mobile computing  
Requirement engineering  
Arduino microcontrollers  
Artificial intelligence  
Database development  
Basics of operating systems  
Computer language and tools (C++, Java, Android, SQL, Python and MATLAB etc)  
Software project management  
Engineering economics for software  
Software verification and validation

The scope of BSc (Hons) in Software Engineering is to produce software that is robust, sustainable, reliable and attractive to use at a reasonable cost and to a specified timeframe. This course could help to develop the skills needed to become a professional software developer. The graduates have countless opportunities when it comes to pursuing a degree in, Software Engineering. They may go for research in the field and there is a wide range of employment opportunities available for graduates of BSc (Hons) in Software Engineering, such as in:

Software development companies  
Research and development companies  
Design and development companies  
Government as well as Private IT, engineering and academic institutes

### Eligibility criteria

Completion of G.C.E. (A/L) or London (A/L) (Cambridge or Edexcel) or any other equivalent foreign examination in the relevant or immediately preceding year.

A minimum of three Simple (S) Passes at the A/L examination in the relevant stream and being qualified for university admission.

Followed Combined Mathematics, Physics and any one of the following subjects;  
Chemistry/ Higher Mathematics/ Mathematics/ ICT.



### Curriculum

#### First Year

Fundamentals of Programming  
Programming Laboratory  
Foundation of Computer Science  
Computer Systems Architecture  
Fundamentals of Databases  
Fundamentals of Visual Computing  
Probability and Statistics  
Engineering Mathematics  
Basic Study Skills in English for CS/CE/SE  
Group Project in Hardware  
Military Studies  
Principles of Management  
Developments in Mathematics & Sciences  
Object Oriented Programming I  
Object Oriented Programming Laboratory  
Web Development  
Computer Networks I  
Fundamentals of Electrical Engineering  
Basic Electronics  
Discrete Mathematics  
Group Project in Hardware  
Military Studies

#### Second Year

Data Structures and Algorithms I  
Operating Systems  
Object Oriented Programming II  
Computer Networks II  
Requirement Engineering  
Electronics Systems  
Calculus & Numerical Methods  
Group project in Software Development  
Military Studies  
Data Structures and Algorithms II  
Advance Computer Architecture & Organization  
Artificial Intelligence  
Software Project Management  
Software Process Engineering  
Statistical Distributions and Inference  
Computer Interfacing & Microprocessors  
Group project in Software Development  
Military Studies

#### Third Year

Engineering Foundation for Software  
Software Modeling  
Software Construction Technologies and Tools  
Software Architecture and Design  
UX and UI Engineering  
Advanced Databases and Big Data Analytics  
Image Processing & Computer Vision  
Essentials of Computer Law  
Research Methodology  
Logic Programming  
Mobile Computing  
Computer & Network Security  
Engineering Economics for Software  
Software Verification and Validation  
Software Process  
Computer Graphics & Visualization  
Automata Theory  
High Performance Computing  
Complex Systems and Agent Technology  
Information Security  
Social Aspects of Computing  
Digital Forensics  
Independent Study

#### Fourth Year

Formal Methods and Software Verifications  
Software Evolution  
Software Quality  
Emerging Trends in Computing  
Theory of Programming Languages  
Natural Language Processing  
Machine Learning  
Compilers Design  
Artificial Cognitive Systems  
Semantic Web and Ontology  
Distributed Systems  
Advanced Topics in Statistics  
Individual Research Project \*  
Individual Research Project (5 Credits for Semester 8)  
Industrial Training





## BSc (Hons) in Data Science and Business Analytics

### At a glance

Contact	: Assistant Registrar
E-mail	: arfoc@kdu.ac.lk
Tel	: +94-11-0219396

### Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	LKR1,200,000.00	USD 6,000.00
Library fees	LKR 2,000.00	LKR 2,000.00
Refundable library deposit	LKR 4,000.00	LKR 4,000.00
Non Refundable deposit	-	-
Hostel Fee (per Month)	-	USD 300 / 225
Refundable deposit for Hostel fee (for six months payment)	-	USD 1800.00 USD 1350.00

### Introducing BSc (Hons) in Data Science and Business Analytics

Bachelor of Science (Hons) in Data Science and Business Analytics is a new interdisciplinary degree programme introduced by the Department of Computational Mathematics, Faculty of Computing, General Sir John Kotelawala Defence University. This degree programme aims to return 40 graduates to the country's intellectual capital each year.

Programme has been designed in accordance with the Sri Lankan Qualification Framework, published by the Ministry of Higher Education and its academic standard is equivalent to Sri Lanka Qualifying level 6. It has been designed by a panel of senior academics and professionals from reputed universities/institutions in Sri Lanka ensuring a high academic standard to facilitate participants to complete BSc (Hons) in Data Science and Business Analytics degree in four years. The medium of instructions is English.

Proposed BSc (Hons) degree programme is a four-year full time degree and runs under four subject areas: Computer Science, Mathematics and Statistics, Management and Communication in English. The minimum total credits required to complete this degree is 129 and it is distributed among above four subject areas.

Concept paper (Senate Memo 70/31) on commencing the BSc (Hons) degree in Data Science and Business Analytics from the department of Computational Mathematics, Faculty of Computing –KDU was approved at the Senate meeting held on September 10, 2020 Concept paper (Board Memo 621/7) on

commencing the BSc (Hons) degree in Data Science and Business Analytics from the department of Computational Mathematics, Faculty of Computing –KDU was approved at the 621st BOM meeting. Senate paper (Senate Memo 74) on curriculum of the BSc (Hons) degree in Data Science and Business Analytics from the department of Computational Mathematics, Faculty of Computing –KDU was approved at the Senate meeting held on November 12, 2020.

### Why choose BSc (Hons) in Data Science and Business Analytics

- This degree programme will increase the opportunities at the Sri Lankan university system for high achievers in GCE (A/L) mathematics subject stream and will support to provide a relief for young students who are keen to participate in highly demandable degree programme.
- This degree programme aims to ensure that there is an adequate supply of people entering the workforce who are equipped to handle the new challenges of learning from data by giving sound knowledge in above mentioned for subject areas.
- Graduates of the B.Sc. (Hons) degree programme in Data Science and Business Analytics will be able to secure career opportunities in the fields such as Business Analyst, Business Intelligence Developer, Data Scientist, Data Engineer, Database Developer
- The students who take BSc (Hons) in Data Science and Business Analytics will be well qualified to apply for higher education in overseas such as MSc and PhD in Data Science

### Eligibility criteria

Eligibility requirement for Day Scholars are as follows;

Degree Code	Degree Program	Duration	GCE A/L or London A/L Stream
010BDS	BSc (Hons) in Data Science and Business Analytics	4 Years	Maths

- Be between 17-24 years of age on the closing date of application.
- Completed G.C.E. (A/L) or London (A/L) (Cambridge or Edexcel) or any other equivalent foreign examination in the relevant or immediately preceding year.
- A minimum of three Simple Passes (S) at the A/L examination in the relevant stream and be qualified for university admission.
- Followed Combined Mathematics, Physics and any one of the following subjects; Chemistry/ Higher Mathematics/Mathematics/ICT.

Eligibility requirement for Cadets are as follows:

Degree Code	Degree Program	Duration	G.C.E. (A/L) Stream (2018/2019)	Gender
010BDS	BSc (Hons) in Data Science and Business Analytics	4 Years	Maths	Male

A candidate must have,

- Be a citizen of Sri Lanka
- To be unmarried
- To be not less than 18 years and not more than 22 years of age on the closing date of application.
- Have to fulfill the following requirements:
  - Completed G.C.E. (A/L) examination in the relevant or immediately preceding year.
  - A minimum of three Simple Passes (S) at the G.C.E. (A/L) examination in the relevant stream and be qualified for university admission.
  - Followed Combined Mathematics, Physics and any one of the following subjects; Chemistry/ Higher Mathematics/Mathematics/ICT.

Eligibility requirement for students with Foreign Qualifications are as follows:

Degree Code	Degree Program	Duration	GCE A/L or London A/L ( Cambridge or Edexcel ) Stream
010BDS	BSc (Hons) in Data Science and Business Analytics	4 Years	Maths

- A candidate should have obtained a minimum of three simple (S) passes in Mathematics stream at an Advanced Level Examination (Equivalent to that of Sri Lanka)
- Have successfully completed an GCE Advanced Level Examination during the last past three consecutive years of London A/L Examination (Cambridge or Edexcel) or any other equivalent foreign examination.
- Should have obtained a credit(C) pass or above for English Language at GCE O/L Examination or any other equivalent foreign examination.

### Curriculum

#### First Year

Fundamentals of Data Science  
Calculus I  
Linear Algebra I  
Fundamentals of Programming  
Programming Laboratory  
Principles of Management  
Analysis of Business Environment  
Introduction to Communication Skills  
Military Studies  
Discrete Mathematics for Data Science  
Probability and Statistics  
Object Oriented Programming  
Scientific Programming  
Database Management Systems  
Business Economics  
Fundamentals of Business Communication  
Military Studies

#### Second Year

Calculus II  
Linear Algebra II  
Statistical Computing with R  
Mathematical Statistics  
Data Structures and Algorithms  
Accounting and Finance  
Advanced Communication Skills  
Military Studies  
Regression Analysis  
Artificial Intelligence  
Business Analytical Techniques  
Software Engineering

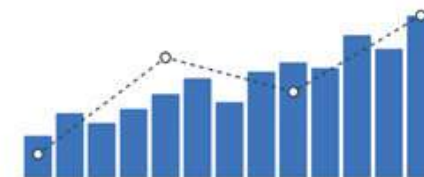
Cost & Management Accounting  
Financial Analysis  
Conversation Analysis  
Military Studies

#### Third Year

Advanced Database Management Systems  
Data Mining and Data Warehousing  
Machine Learning for Data Science I  
Computer Networks  
Research Methodology  
Operations Research  
Marketing for Analytics  
Big Data Analytics  
Time Series Analysis  
Group Project in Data Science  
Bayesian Data Analysis  
Categorical Data Analysis  
Professional Practices and IT Law  
Operation Management  
Discourse Communication

#### Fourth Year

Machine Learning for Data Science II  
Information Security  
Image Processing & Computer Vision  
Project Management  
Semantic Web and Ontology  
Natural Language Processing  
Emerging Trends in Data Science  
Parallel Computing  
Business Strategic Analysis  
Data Management  
Individual Research Project \* (carried throughout sem7 and sem8)  
Individual Research Project \* (carried throughout sem7 and sem8)  
Industrial Training



# HOW TO APPLY

## Minimum Entry Requirements

### Day Scholars

The candidate should,  
Be a citizen of Sri Lanka.

Be 17-30 years of age for LLB degree programmes.

Be 17-24 years of age for all the other degree programmes on the closing date of applications.

Be 18-24 years of age for BSc (Hons) in Aircraft Maintenance Degree programme and be between 18-28 years of age for BSc Aircraft maintenance (Top up) degree programme.

Have completed the G.C.E. (A/L) examination in the current year or London (A/L) (Cambridge or Edexcel) examination in the current year or immediately preceding year in one sitting and be eligible to apply for university admission.

Have obtained a pass mark (marks 30 and above) for the Common General Test (For students who have completed Local G.C.E. (A/L) examination)

Have obtained a minimum of a Credit pass (C) for English Language at the Local (O/L) examination or a minimum of a 'D' Grade in Cambridge/Edexcel (O/L) or in any other equivalent foreign examination.

Have obtained a pass mark for the Selection Test and for the Structured Interview conducted by the KDU.

### For Local Students

### Officer Cadets

The candidate should,  
Be unmarried  
Be a citizen of Sri Lanka.

Not be less than 18 years or more than 22 years of age on the closing date of applications.

Have completed the G.C.E. (A/L) examination in the current or immediately preceding year in one sitting and be eligible to apply for university admission.  
Have completed the GCE (A/L) Examination in the current year in one sitting to apply for MBBS degree programme.

Have obtained a minimum of a Credit pass (C) for English Language at the G.C.E. (O/L) examination.

Have obtained a pass mark (marks 30 and above) for the Common General Test.

Satisfy the minimum physical standards which are set by the Tri-Services.

Have obtained a pass mark for the Selection Test and for the Structured Interview conducted by the KDU.

### For Students with Foreign Qualifications

Candidates with results at a foreign examination held outside Sri Lanka, deemed equivalent to GCE (Advanced Level) Examination of Sri Lanka or qualifications required for admission to a university in an applicant's own country to follow an undergraduate course of study leading to a Bachelor's Degree.

All required passes must have been obtained in one and the same sitting under a recognized Board of Examinations.

All Sri Lankan applicants who have studied abroad should have a period of not less than three academic years immediately preceding the examination.

Candidates with High School Diploma need to have passed the Scholastic Aptitude Test (SAT) and candidates whose primary language is not English and those who have received their previous education in another language than English should have a minimum score of 79 at the Test of English as a Foreign Language (TOEFL) or a minimum score of 6.5 at the International English Language Testing System (IELTS) Examination.

A candidate should be between 17 - 25 years of age by the closing date of applications.





# Student Enlistment Procedure - Officer Cadets

## Step 1 Publish Advertisment

**Jan** The Advertisments calling for applications for Undergraduate Cadetship are published on KDU Website and Newspapers.

## Step 2 Apply via Student Enlistment System

**Jan** Fill the form in the student enlistment system. (available at [www.kdu.ac.lk](http://www.kdu.ac.lk))

Pay LKR 1000 as an application fee via online and submit the application form.

## Step 3 Selection Interview

**Feb-Mar-Apr-May-Jun** Candidates whose A/L results are above the cutoff marks which will be decided by the University and who fulfill the minimum requirements will be called for the first selection interview. (Having sports, extra curricular activities will be an added advantage)

## Step 4 Officer Quality Test (OQT)

**Mar-Apr-May-Jun** Candidates who pass the first interview will be called for the OQT and Medical Test.

The test consists of three written papers (IQ & GK, English, Psychology), test related to physical training etc.

## Step 7 Signing of Bond and Agreement

**Jun** The selected candidates will have to enter into a bond and an agreement with the Democratic Socialist Republic of Sri Lanka to serve for a compulsaory period of time.

## Step 6 Medical Test at respective Military Hospitals

**May-Jun** Selected candidates will be sent to Military Hospitals for final medical test.

## Step 5 Final Interview

**Mar-Apr-May-Jun** The selected candidates from the OQT will be called for the Final Interview

The candidates will be separated to services based on their qualifications and choices

The selection is subject to the medical fitness which is confirmed by the military hospitals

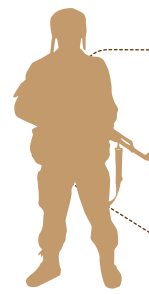
## Step 8 Initial Military Training

**Jul-Dec** During the course of training, Officer Cadets are required to undergo such training as may be prescribed by the Vice Chancellor, KDU and/or respective Service Commanders.

Accordingly, there is a initial military training for 6 months before the commencement of academic activities.

## Step 9 Start Academic Activities

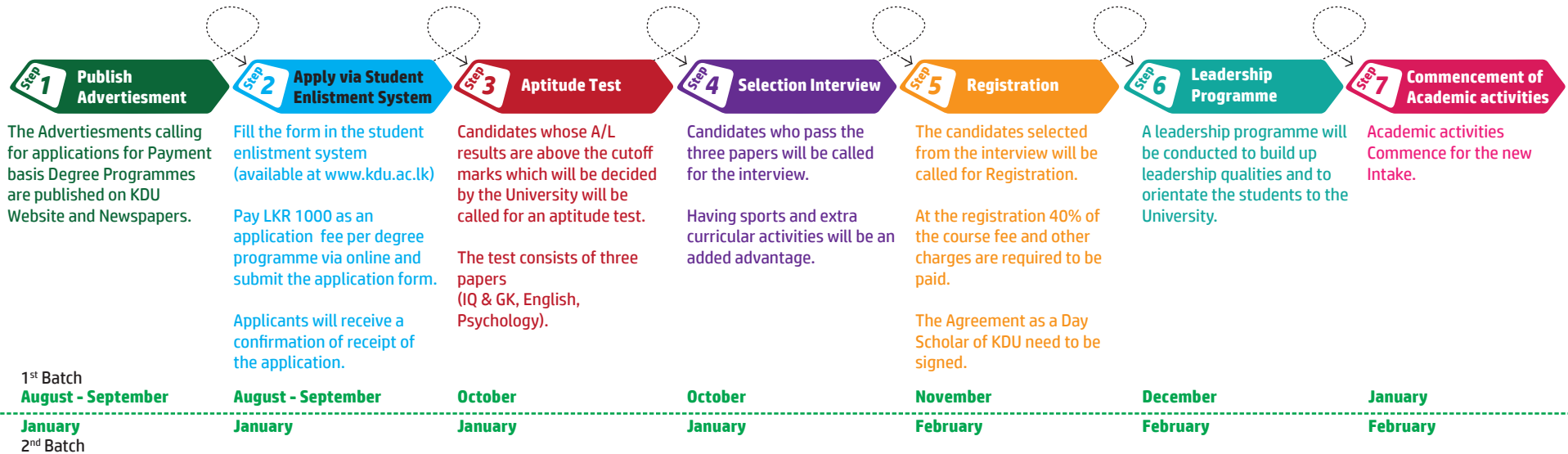
**Jan - Next Year** Academic activities start for the new Intake



A CADET WILL NOT LIE, CHEAT OR STEAL NOR TOLERATE THOSE WHO DO.



# Student Enlistment Procedure - Day Scholars





# Students with Foreign Qualifications



## Before you apply

The Sri Lankan system normally requires 13 years in school and 3 years at university, while the education system in some other countries requires 12 years at high school and 4 years at university. You may need to look at our minimum requirements before you apply for KDU degree programmes.

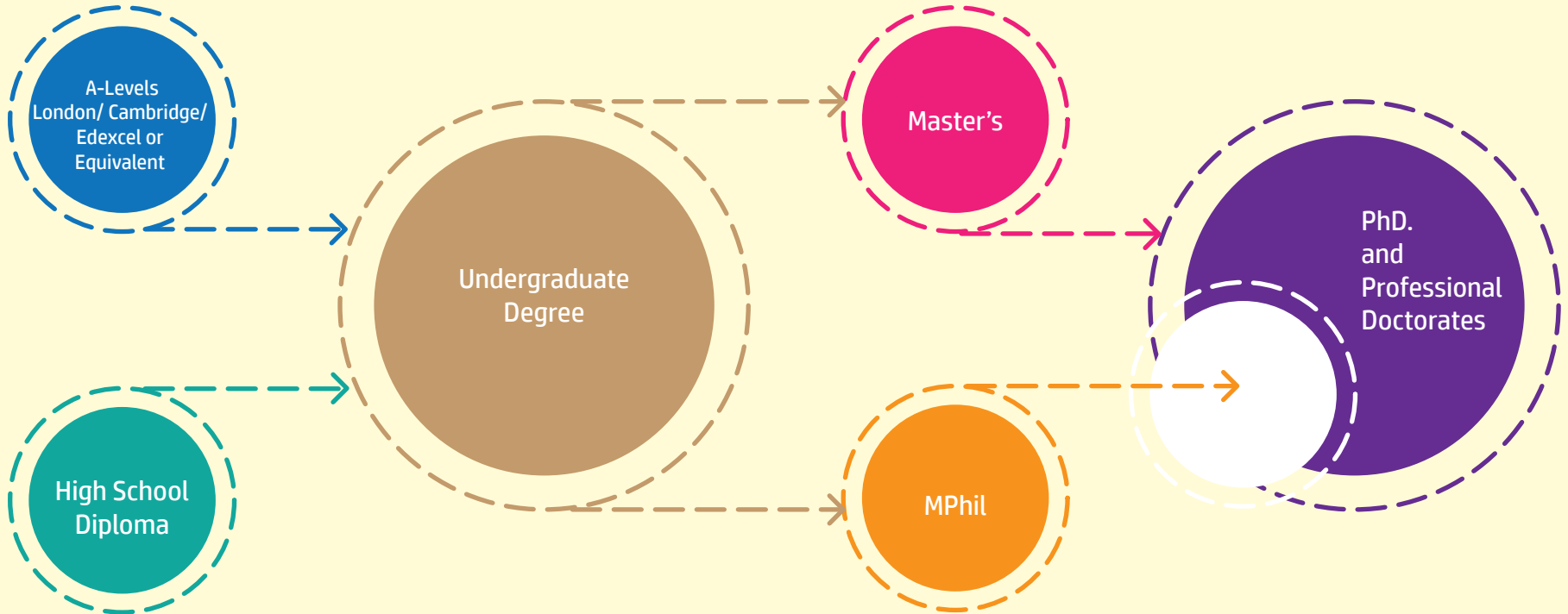


High / Senior School

Undergraduate

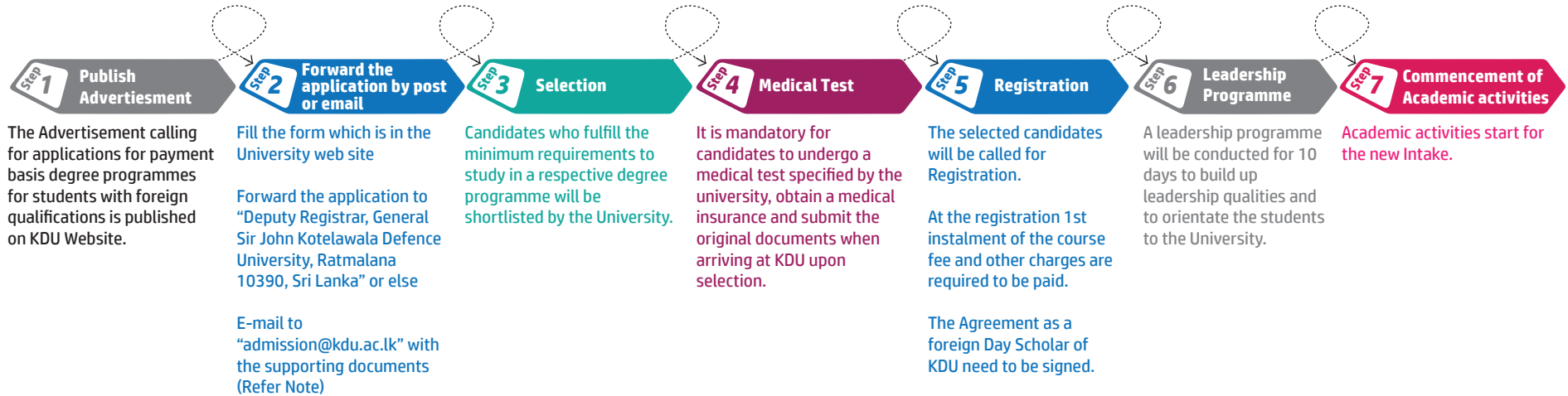
Postgraduate

Doctoral Programmes



For further information please refer to Sri Lanka Qualification Framework criteria (SLQF) of the University Grants Commission, Sri Lanka.

# Student Enlistment Procedure - Students with Foreign Qualifications



1<sup>st</sup> Batch

<b>July</b>	<b>July- September</b>	<b>October-November</b>	<b>December</b>	<b>December</b>	<b>December</b>	<b>January</b>
<b>December</b>	<b>December -January</b>	<b>January</b>	<b>January</b>	<b>January</b>	<b>January</b>	<b>January</b>

2<sup>nd</sup> Batch

## Documents to be submitted by students with Foreign qualifications

Bank draft of US \$100 in favour of “Vice Chancellor, General Sir John Kotelawala Defence University” to be credited to the account number “06174532847” Swift code BCEYLKX of the Bank of Ceylon, Idama Branch - Moratuwa, Sri Lanka.

Original copy of a letter from a Bank stating the Bank Balance of the Father/ Mother/ Guardian as documentary evidence in proof of availability of sufficient funds.

Documentary evidence that their Father/ Mother was employed in the country of study during the study period of the applicant (Confirmation letter from the employer).

Applicants are required to confirm that their qualifications. (except Cambridge/ Pearson Examinations) are equivalent to London A/L by a letter through the relevant institution.

Verification available at UKNARIC ([www.naric.org.uk](http://www.naric.org.uk))





## Course Fees - Local

Field of Study	Course Fee Sri Lankan Rupees
Bachelor of Science in Engineering (Hons)	1,950,000
Bachelor of Science (Hons) in Aircraft Maintenance	2,250,000
Bachelor of Science in Aircraft Maintenance (Top-up Programme)	1,200,000
Bachelor of Laws (LLB)	1,100,000
Bachelor of Science in Management and Technical Sciences	950,000
Bachelor of Science in Logistics Management	1,000,000
Bachelor of Science in Social Sciences	950,000
Bachelor of Science in Strategic Studies & International Relations	700,000
Bachelor of Science (Hons) in Nursing	1,000,000
Bachelor of Science (Hons) in Physiotherapy	1,200,000
Bachelor of Science (Hons) in Medical Laboratory Sciences	1,200,000
Bachelor of Science (Hons) in Radiography	1,000,000
Bachelor of Science (Hons) in Radiotherapy	1,000,000
Bachelor of Pharmacy (Hons)	1,000,000
Bachelor of Science (Hons) in Computer Science	1,000,000
Bachelor of Science (Hons) in Software Engineering	1,200,000
Bachelor of Science (Hons) in Computer Engineering	1,650,000
Bachelor of Science (Hons) in Information Systems	750,000
Bachelor of Science (Hons) in Information Technology	750,000
Bachelor of Architecture (B Arch)	1,800,000
Bachelor of Science (Hons) in Built Environment	1,500,000
Bachelor of Science in Built Environment	1,125,000
Bachelor of Science (Hons) in Surveying Sciences	1,290,000
Bachelor of Science (Hons) in Quantity Surveying	1,300,000
BA in Teaching English for Speakers of Other Languages	850,000
BSc in Applied Data Science Communication	850,000
BSc (Hons) in Data Science and Business Analytics	1,200,000



Further details  
could be found  
at

[www.kdu.ac.lk](http://www.kdu.ac.lk)

**Take the first step  
to become a KDU student**

Deputy Registrar : (+94) 11 263 4555  
: (+94) 71 021 9255

E-mail : [dr@kdu.ac.lk](mailto:dr@kdu.ac.lk)

Assistant Registrar Enlistment

E-mail : [arenlist@kdu.ac.lk](mailto:arenlist@kdu.ac.lk)

Fax : (+94) 11 260 5523

Mobile : (+94) 71 021 9368

## Course Fees - International

Field of Study	Course Fee USD per Annum
Bachelor of Medicine and Bachelor of Surgery (MBBS)	12,500
Bachelor of Science in Engineering (Hons)	8,000
Bachelor of Science (Hons) in Aircraft Maintenance	Total Course Fee 31,000
Bachelor of Science in Aircraft Maintenance (Top-up Programme)	Total Course Fee 12,000
Bachelor of Laws (LLB)	5,000
Bachelor of Science in Management and Technical Sciences	6,000
Bachelor of Science in Logistics Management	4,000
Bachelor of Science in Social Sciences	3,000
Bachelor of Science in Strategic Studies & International Relations	3,000
Bachelor of Science (Hons) in Nursing	10,000
Bachelor of Science (Hons) in Physiotherapy	10,000
Bachelor of Science (Hons) in Medical Laboratory Sciences	10,000
Bachelor of Science (Hons) in Radiography	10,000
Bachelor of Science (Hons) in Radiotherapy	10,000
Bachelor of Pharmacy (Hons)	10,000
Bachelor of Science (Hons) in Computer Science	6,000
Bachelor of Science (Hons) in Software Engineering	6,000
Bachelor of Science (Hons) in Computer Engineering	6,000
Bachelor of Science (Hons) in Information System	6,000
Bachelor of Science (Hons) in Information Technology	6,000
Bachelor of Architecture (B Arch)	8,000
Bachelor of Science (Hons) in Built Environment	8,000
Bachelor of Science in Built Environment	8,000
Bachelor of Science (Hons) in Surveying Sciences	6,000
Bachelor of Science in Surveying Sciences	6,000
Bachelor of Science (Hons) in Quantity Surveying	8,000
Bachelor of Science in Quantity Surveying	8,000
BA in Teaching English for Speakers of Other Languages	4,000
BSc in Applied Data Science Communication	4,000
BSc (Hons) in Data Science and Business Analytics	6,000

Additional expenses pertaining to Clinical Training should be borne by the student in addition to the course fee. The Industrial Training for students with foreign qualifications may not be provided by KDU. However, KDU takes every endeavour to arrange Industrial Training if opportunities are available.



Application form and other relevant details could be downloaded from the KDU website

[www.kdu.ac.lk](http://www.kdu.ac.lk)

**Please forward your applications to**

**admission@kdu.ac.lk**

Deputy Registrar : (+94) 11 263 4555  
(+94) 71 021 9255

E-mail : dr@kdu.ac.lk

Foreign Relations Officer : (+94) 11 263 2028 (Ext: 223)  
(+94) 71 021 9338

Assistant Registrar Enlistment

E-mail : arenlist@kdu.ac.lk

Fax : (+94) 11 260 5523

Mobil : (+94) 71 021 9368



# AFFILIATED INSTITUTIONS



## Defence Services Command and Staff College (DSCSC)

Defence Services Command and Staff College, Batalanda conducts a degree programme leading to Master of Defence Studies (M Def SS).



## Sri Lanka Military Academy (SLMA)

Sri Lanka Military Academy (SLMA) is the premier training institution of the Sri Lanka Army. It is located in Diyatalawa in the central highlands of Sri Lanka.



## Naval & Maritime Academy (NMA)

Naval & Maritime Academy (NMA), Trincomalee, is the premier training establishment of Sri Lanka Navy. It is located within SLN Dockyard in Trincomalee.



## Sri Lanka Air Force Academy (SLAFA)

The Air Force Academy (AFA) is the premier training and educational institute of the Sri Lanka Air Force, which provides initial training to all SLAF personnel who are trained to be commissioned officers.



## Officer Training Wing of Maldives National Defence Force (MNDF)

Maldives National Defence Force has been accredited by KDU since 20th July 2012.



## Army School of Logistics (ASL)

Trincomalee based Army School of Logistics is mandated to groom officers for sound competence and professionalism in the field of logistics.



## Naval Institute of Technology (NIT)

The Naval Institute of Technology was declared open on 1<sup>st</sup> August 2002 as Naval Artificer Training Institute.



## Nursing Training School (Welisara)

This prestigious Institute is situated in the Premises of Navy Establishment at Welisara. The Nursing Training School trains Navy personnel for the purpose of accomplishing the requirement of male and female Nurses for the Sri Lanka Navy.

# KDU International Collaborations

KDU enters into collaborations with world renowned universities and institutions in its endeavour to become a globally connected University.



Society for Medical Education (CBCI), Bangalore, India



Maldives National Defence Force



Massey University New Zealand



University of Central Lancashire UK



Shenyang Aerospace University China



Tianjin Maritime College China



Tianjin Medical University China



Royal Government of Bhutan



Military Institute of Science and Technology, Bangladesh



National Defence University Pakistan



University of Agder Norway



Institute for Defence Studies and Analyses, New Delhi, India



Republic of Rwanda



Keele University UK



National Defence University of Korea



University of Bremen, Germany



Sichuan University, China



Ministry of Education, Republic of Maldives



International Center for Chemical and Biological Sciences, University of Karachi, Pakistan



National Defence University of Malaysia



Asian Institute of Technology



Charles Sturt University



Royal Navy of the Government of the Sultanate of Oman & Commander of the Navy



University of York



La Jolla Institute, USA



Kristianstad University Sweden



Duke University USA



Eurasia Foundation Japan



ERASMUS +



HUAWEI



COMSATS University Islamabad Pakistan



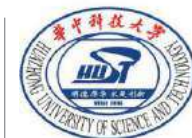
Cranfield University UK



British Computer Society



Defence University of Indonesia



Huazhong University of Science and Technology China



Sikkim University Gangtok India



# Degree Index

## Defence and Strategic Studies

BSc in Strategic Studies & International Relations .....	24
--	----

## Medicine

Bachelor of Medicine and Bachelor of Surgery (MBBS) .....	26
---	----

## Engineering

BSc (Hons) in Aeronautical Engineering .....	28
BSc (Hons) in Aircraft Maintenance Engineering .....	29
BSc (Hons) in Biomedical Engineering .....	30
BSc (Hons) in Civil Engineering .....	31
BSc (Hons) in Electrical & Electronic Engineering .....	32
BSc (Hons) in Electronic & Telecommunication Engineering .....	33
BSc (Hons) in Mechanical Engineering .....	34
BSc (Hons) in Mechatronic Engineering .....	35
BSc (Hons) in Marine Engineering .....	36

## Law

Bachelor of Laws (LLB) .....	38
------------------------------	----

## Management, Social Sciences and Humanities

BSc in Management & Technical Sciences ...	40
BSc in Logistics Management .....	41
BSc in Social Sciences .....	42
BA in Teaching English for Speakers of Other Languages .....	43
BSc in Applied Data Science Communication	44

## Allied Health Sciences

BSc (Hons) in Medical Laboratory Sciences .	46
BSc (Hons) in Nursing .....	47
BPharm (Hons) .....	48
BSc (Hons) in Physiotherapy .....	49
BSc (Hons) in Radiography .....	50
BSc (Hons) in Radiotherapy .....	51

## Built Environment and Spatial Sciences

Bachelor of Architecture (BArch) .....	54
BSc in Built Environment .....	55
BSc (Hons) Surveying Sciences .....	56
BSc (Hons) in Quantity Surveying .....	57

## Computing

BSc (Hons) in Computer Engineering .....	60
BSc (Hons) in Computer Science .....	61
BSc (Hons) in Information Systems .....	62
BSc (Hons) in Information Technology .....	63
BSc (Hons) in Software Engineering .....	64
BSc (Hons) in Data Science and Business Analytics	65











General Sir John Kotelawala Defence University  
Ratmalana,  
10390  
Sri Lanka.

 @KotelawalaDefenceUniversity

 @Kotelawala\_uni

 <https://www.youtube.com/channel/UC3pp0YuDK7eXDJl6VPArYpA>

