

Undergraduate Prospectus | 2024



General Sir John Kotelawala Defence University
Sri Lanka

CONTACT US

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

 @KotelawalaDefenceUniversity

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

 @Kotelawala_uni



2024

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

www.kdu.ac.lk

International visits:
If you don't live in Sri Lanka, email iro@kdu.ac.lk to arrange a private visit.
Find us @www.kdu.ac.lk/international-relations/

International students please contact:
Foreign Relations Officer
Email : fro@kdu.ac.lk
Tel : +94 (0)11 263 2028 (Ext: 223)

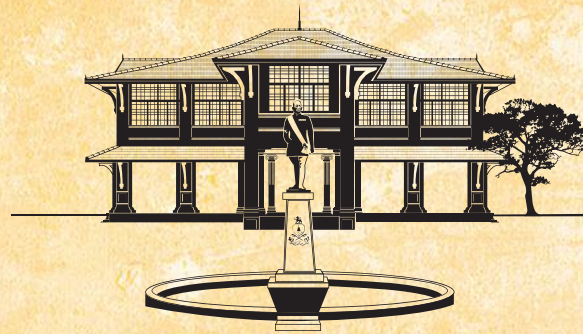


If you need this information in an alternative format, please call our Student Recruitment & Admissions Office +94 (0)11 2622995



“For the Motherland Forever”

“සිය රටටමයි කවදත්”



General Sir John Kotelawala Defence University
Ratmalana, 10390
Sri Lanka



www.kdu.ac.lk



Recycle

WELCOME



GENERAL SIR JOHN KOTELAWALA DEFENCE UNIVERSITY

General Sir John Kotelawala Defence University (KDU) is a prestigious higher education institution in Sri Lanka. Established in 1981 as a defence academy, it has evolved into a comprehensive university offering undergraduate and postgraduate degree programmes in various fields. KDU presently has ten full-fledged academic faculties that award degrees comparable to those of top international universities.

Due to its visionary leadership and dedicated faculty, KDU has achieved remarkable success in recent years. In the 'Times Higher Education Impact Ranking 2022, it was ranked second for 'quality education' and first for 'reducing inequality'. KDU made history in early 2023 when it was nominated by 'Times Higher Education Awards Asia' under the category "Leadership and Management Team of the Year" out of over 700 Asian universities.



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 රටමයි කවදත්"

"For the Motherland Forever"

University Flag



Objects

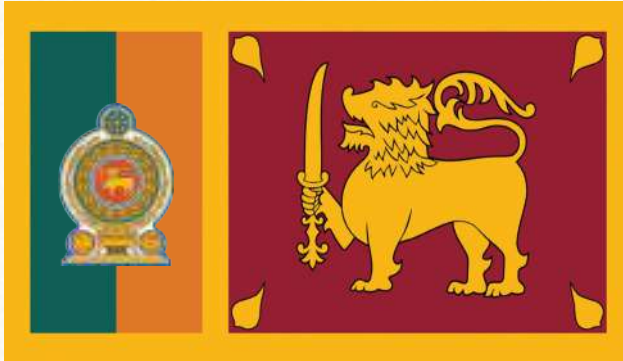
To provide facilities to introduce Officer Cadets to the profession of arms, and guide them to develop their knowledge and skills in the profession of arms, prior to being commissioned in the Armed Forces.

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.

A university decorated with President's colours



The Vice Chancellor of KDU

Since its establishment in 1981, KDU has been a pioneer in providing quality higher education. Our institution has consistently produced exceptional graduates who have made significant contributions to the Sri Lankan Armed Forces and the global workforce.

Today, KDU offers a dynamic and innovative learning experience that caters to the evolving needs of modern students. Our diverse range of programs, coupled with our world-class faculty, ensures that our students acquire the necessary skills and knowledge to excel in their chosen fields.

Beyond academics, we foster a vibrant campus life that encourages students to participate in a variety of extracurricular activities. From sports and clubs to community service, we empower our students to develop well-rounded personalities and become responsible global citizens.

KDU is committed to providing comprehensive support services to our students. Our dedicated team of academic advisors, career counselors, and mental health professionals is always available to assist students in achieving their full potential. As we continue to evolve, we remain steadfast in our mission to empower students with the knowledge, skills, and confidence to succeed in a rapidly changing world.

We invite you to join the KDU family and embark on a transformative educational journey.

I wish you all success !

Rear Admiral HGU Dammika Kumara
VSV, USP, psc, MMaritimePol, BSc (DS)



In this Prospectus

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We have over
7800
students

Over
1000
members of staff

Over
44 Years
of history

Students
from over
29
countries

Over
200
international
students

KDU
*at a
glance*



Over
55
undergraduate
and postgraduate
degrees

Ranked
1st
in Sri Lanka
Times Higher Education
Impact Ranking 2024

A Globally Connected Sri Lankan University



I had the opportunity to learn in a very disciplined environment



There is lots of support for students from counselling to career guidance



It is a vibrant university full of friendly and intelligent students



The staff is friendly and willing to help



Lots of Societies and Sports clubs to join



Great weather and a beautiful country



It is a safe environment with a guaranteed security



KDU trains you to become a gentleman



I'm glad I had the choice of KDU to study for my degree



So far I have had the greatest experience



I have received more than enough support



KDU has every single facility to support learning



WHY STUDY IN SRI LANKA?

1 EARN AN INTERNATIONALLY RECOGNIZED DEGREE

Become a graduate with an international degree from a globally recognized university and study in a world class educational environment.

2 UNCOMPLICATED VISA PROCESS

Visa processing is online and quick. Document requirements are minimal.

3 AFFORDABLE LIVING COST

Living cost in Sri Lanka is considerably less compared to living costs in other countries.

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 environment 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.

6 BEST TOURIST DESTINATION IN THE WORLD

Sri Lanka is famous for golden beaches, thrilling waves, misty mountains, giant whales, a majestic past, lovely tea and warm smiles. You will feel at home with many things to explore.



WHY CHOOSE US?

TOP 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.

Excellence in Education

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



Character Building

Special emphasis on character development of students through mentoring programmes.



Research Grants for Students

Students are provided with financial support to engage in innovative research projects



Internationally Recognized University

A member of the International Association of Universities (IAU) and the Association of Commonwealth Universities (ACU).



Experienced Faculty

A well-qualified and experienced faculty with prime focus on achieving preset educational goals.



Affordable Course Fees

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



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.



Recognition of Regulatory Bodies

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



Sport and Recreational Facilities

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



Accommodation and Lodging Facilities

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



Scholarships

Students who do well in their exams and enter into the Dean's or Vice Chancellor's Lists are eligible for 25% and 50% scholarships, respectively. Students with high Z-scores and international/national level placements in sports are eligible for a 50% scholarship from the entire course fee.



Over 10,000 Alumni Worldwide



World Class Medical Facilities

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



Safe & Disciplined Environment

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



General Sir John Kotelawala Defence University has been inspiring minds since 1981, and is one of the largest universities in Sri Lanka.

Broader Horizon

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



Industrial Training Accident Benefits Insurance

Those who undergo industrial training at various sites are covered by a comprehensive accident benefit insurance. This insurance ensures that students who are injured or face accidents during their training receive adequate support and compensation.



Overall Ranked 4th in Sri Lanka

KDU was ranked #2 university in Sri Lanka for 'quality education' and #1 university for 'reducing inequalities' in Times Higher Education Impact Ranking 2022



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 enhance research at the university and across the country. The research should focus on the needs of society, the nation, and the world. KDU academics publish in high-impact journals, collaborate with local and global research groups, and commercialize products. Our academics innovate in health, biomedicine, biotechnology, engineering & technology, computers, social sciences, law, built environment, geographical sciences, international relations, management, and more. We encourage all undergraduates to work with those professionals and practice their expertise through research. KDU scholars and students collaborate to share research ideas and create new knowledge and breakthroughs.



How We Facilitate Research

We aim to train future scientists. Passionate teachers continually research to update information. For student research, we offer state-of-the-art laboratory facilities such as the Biomedical Research Laboratory at the Faculty of Medicine, and the High-end Computer Modelling and Simulation Lab at the Faculty of Computing. KDU's Institute for Combinatorial Advanced Research and Education promotes research commercialization through public-private partnerships and state-sector collaborations (KDU-CARE). KDU-CARE connects universities and industry to commercialise research. International researchers present their findings at KDU's annual International Research Conference (IRC). Research excellence awards acknowledge scholars and students who accomplish productive research.



Get Involved

You'll have many opportunities to do your own research and join our ongoing initiatives. Most courses require a dissertation or research project, allowing you to research a topic of interest with an academic supervisor.

You can also volunteer for our faculty's research projects. Publications/patents enhance your CV. You can collaborate with peers or a professor on innovative ideas. KDU constantly provides guidance and physical, and financial resources, and you can present and publish your research at our annual International Research Conference (KDU-IRC). KDU-CARE projects allow you to gain industry-focused research and development experience.

UNIVERSITY HOSPITAL



The 889-bed KDU university hospital provides 24-hour emergency and trauma care and specialist treatment for patients with disorders from all areas of medicine including surgery, paediatrics, obstetrics, and gynaecology.

KDU university hospital is accredited by Australian Council on Healthcare Standards International (ACHSI).

The hospital's paying section has 50 beds, 6 suites, and 120 private consulting rooms. It has a sophisticated auditorium for national and international conventions and seminars. Medical students can watch live surgical and clinical procedures at the facility.

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 extremely challenging task of establishing a fully-fledged campus from scratch on a 169-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 five hundred and fifty 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 the 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.

Toastmasters Club

Officer Cadets and Day Scholars established KDU Toastmasters Club to strengthen their public speaking skills, overcome English timidity, and develop leadership and personality traits. KDU Toastmasters Club is a member of Toastmasters International, a global non-profit organisation that promotes language and vocal communication abilities.

Rotaract Club

The Vice Chancellor's objective for the Rotaract Club of KDU, founded in 2013, was to prioritise service initiatives that benefit the University's immediate community and the University itself. Officer Cadets and Day Scholars collaborate to achieve "Fellowship through Service".

National Rover Crew

In 2020, KDU added the Rover Scouting Club under the patronage of Vice Chancellor Maj Gen Milinda Peiris, the Chief Commissioner of Sri Lanka Scout Association. The Club helps officer cadets and day scholars reach their full physical, intellectual, emotional, social, spiritual, and cultural potential as individuals, responsible citizens, and members of their local, national, and international communities.



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.

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.

Music Club

KDU's most vibrant and popular club is the Music Club. Its members are young Officer Cadets and Day Scholars who enjoy music and are skilled in eastern and western styles. Club members perform on stage, singing, playing instruments, and compering for the campus community. KDU's "Beige" band performs at numerous university events.

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.



Eco Club

Biodiversity is strong at Kandawala Estate. All kinds of birds adore the Kandawala Lake mangroves. KDU Eco Club was founded in 1999 to raise students' environmental awareness. The Club recognises the growing necessity for environmental protection for future generations.

E-Club

KDU E-Club is a prominent University club. This club maintains the University website and plans PowerPoint and visual displays of the University's official presentations, giving members hands-on experience in their profession. Club members monitor new IT advances to promote the university.

Cultural Club

This club introduces KDU students to the country's rich culture and arts. This club's members participate in many events to enhance the aesthetic and cultural values of the student body. The Arts and Culture Club organises "Bak Maha Ulela" and "Wesak Festival," two culturally rich events. Foreign students bring beauty, diversity, and cultural harmony to the student body.



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."



Support Services



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.

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 for. 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, and it 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 for mental healthcare, which is essential for 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.

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.

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.

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.

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

RATMALANA Cadet Accommodations



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

BORALESGAMUWA



-  Drive to campus average 10 mins
-  Catered and self-catered
-  24x7 Internet Connection
-  Distance to city - 2Km
-  Laundry Facility

SOUTHERN CAMPUS - SOORIYAWEWA



-  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.



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



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



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



Diverse exhibitions and events organized throughout the year.



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

KDU library network consists of the Main Library, Faculty of Medicine (FOM) Library, Faculty of Allied Health Sciences (FAHS), Faculty of Engineering (FOE) Library, the Southern Campus Library. The entire library network is Wi-Fi enabled with high speed internet connection to allow the students to access the online resources as it provides electronic access to full text databases, and other online resources to facilitate Teaching, Learning and Research activities of the University. It also provides internet -accessible computers to access Electronic Library Catalogues, Institutional Repository (KDU- IR) and various web pages related to the subject streams. The online access to Library resources are provided through a Library website <http://library.kdu.ac.lk>. Virtual Reading Rooms, Inter library loans, document delivery service, Inquiry Service Research support and photocopying are some of the facilities provided for the users in order to meet the information needs of both students and the staff.

Library of the Faculty of Allied Health Sciences

FAHS Library houses the collection of books and journals pertaining to Nursing related subject streams. The collection comprises of more than 2936 books and 56 titles of journals.



Library of the Faculty of Medicine

FOM Library houses the collection of books and journals pertaining to Medical Sciences. The collection comprises more than 3057 books and 30 titles of journals.



Main Library

The Library collections cover a wide range of subjects such as Engineering, Computer Science, Management, Physics, Chemistry, Economics, Law, History, Defence Studies, English Language etc. The main Library houses around 50,000 books, journals, reports, pamphlets and special collections.

Library of the Faculty of Engineering

FOE Library houses the collection of books and journals pertaining to Engineering.



Southern Campus Library

The campus Library comprises more than 3295 books covering Spatial Sciences, Architecture, Quantity Surveying, Surveying Sciences and Information Technology.





Sports



"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. 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.





FACULTIES

EXPLORE
Our Courses

Defence and Strategic Studies

Medicine

Engineering

Law

Management, Social Sciences and Humanities

Allied Health Sciences

Built Environment and Spatial Sciences

Computing

Technology

Criminal Justice





**GENERAL SIR JOHN KOTELAWALA
DEFENCE UNIVERSITY**

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

- 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 eligible for university entrance in any stream having fulfilled the following requirements:
 - Passing the Common General Test.
 - Having a minimum of a Credit (C) pass for English at the GCE (O/L) Examination.
 - Being unmarried
 - Satisfying the minimum physical standards.

For Day Scholars

- Between 17-24 years of age on the closing date of application.
- Being Unmarried.
- 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:

M5 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





**GENERAL SIR JOHN KOTELAWALA
DEFENCE UNIVERSITY**

Welcome to the Faculty of **Medicine**

Degree Programme

**Bachelor of Medicine and Bachelor of Surgery
(MBBS) Degree**

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 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.

KDU MBBS degree is well recognized by several international organizations, including Educational Commission for Foreign Medical Graduates (ECFMG) and Australian Medical Council (AMC). KDU is the only university in Sri Lanka who operates its own university hospital.

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. Today, the MBBS degree programme has earned international recognition and the faculty provides opportunities for foreign students from the region to train for the MBBS degree at KDU.

Bachelor of Medicine and Bachelor of Surgery (MBBS)

At a glance

Contact : Senior Assistant Registrar
E-mail : fom@kdu.ac.lk / arfom@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) Course

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 all over the world. Students who have done Mathematics subject instead of Physics can enter the degree programme if they have necessary results but they are not eligible to undergo an internship programme in Sri Lanka.

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 state-of-the-art facilities to provide clinical training for students.

Availability of laboratories enriched with new facilities and equipment.

Opportunities to excel in research.

Eligibility criteria

For Officer Cadets

The candidate needs to have followed Biology Stream & obtained minimum two credit passes (C) for Biology and Chemistry and a simple pass (S) for Physics at the G.C.E. (A/L) examination

For students with foreign qualifications

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

A minimum of 'C' Grade for Biology, Chemistry and Physics.

(For further information please visit 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
Medicine
Obstetrics & Gynaecology
Paediatrics
Surgery

Fourth Year

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

Fifth Year

Medicine
Obstetrics & Gynaecology
Paediatrics
Surgery
Psychiatry





**GENERAL SIR JOHN KOTELAWALA
DEFENCE UNIVERSITY**

Welcome to the

Faculty of Engineering

Degree Programmes

- BSc Eng. (Hons) in Aeronautical Engineering
- BSc Aircraft Maintenance (Hons)
- 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 Naval Architecture and Marine Engineering
- BSc Eng.(Hons) in Building Services 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 they are now open for students 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 those of Engineering Faculties of reputed Universities.

BSc Eng. (Hons) in Aeronautical Engineering

At a glance

Contact : 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 NDT Apparatus
Gyroscope Apparatus Fatigue Testing Machine
Jet Engine Tester Thin Cylinder Apparatus
Four Stroke Engine Tester
Structural Repair Training Facilities

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

- 1. Engineering Knowledge:** Apply knowledge of mathematics, basic sciences and engineering sciences to Aeronautical Engineering practices.
- 2. Problem Analysis:** Investigate and analyze complex Aeronautical Engineering problems with scientific research methods and engineering knowledge.
- 3. Design / Development of solutions:** Design systems, components and processes complying with relevant standards.
- 4. Investigations:** Conduct investigations of complex problems using research-based knowledge and research methods.
- 5. Modern Tool Usage:** Apply computational, laboratory, field techniques and IT tools in Aeronautical Engineering activities.
- 6. The Engineer and Society:** Assess social, health, safety, legal and cultural issues related to Aeronautical Engineering practices and propose integrated solutions.
- 7. Sustainability & Environment:** Provide practical and sustainable solutions for Aeronautical Engineering problems.
- 8. Ethics:** Conduct engineering practices while adhering to professional and ethical responsibilities.
- 9. Individual and Teamwork:** Function as an individual and as a leader or a member in multi-disciplinary teams.
- 10. Communication:** Communicate effectively with engineering community and society at large.
- 11. Project Management and Finance:** Apply knowledge of management and business practices in the Aeronautical Engineering context.
- 12. 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
Basic Computer Programming and Networking
English: Basic Study skills (Engineering)
Engineering Drawing
Sinhala/Tamil: Basics for Beginners
Military Studies

Second Semester

Airframe Systems
Structural Mechanics I
Fluid Mechanics I
Fundamentals of Thermodynamics
Engineering Materials
Applied Mechanics
Calculus
Mathematical Software
English: Advanced Study Skills (Engineering)
Humanities Elective I
Mathematical Software
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)
Humanities Elective II
Strategic and Defense 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)
Industrial Visits & Report Writing
Solid Modelling Software
Presentations Skills Development Project
Military Studies

Fifth Semester

Aircraft Performance & Static Stability
Aircraft Structures
Professional Ethics
Machine Elements and 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 for Aeronautical Applications
Business Economics & Financial Accounting

Industrial Training - 6 Months

Seventh Semester

Aircraft Composites & Structural Design
Aeronautics Laboratory
Avionics II
Air Force Engineering Management *
Aviation Operations Management **
Final Year Research Project
Human Resource Management and Industrial Relations

Eighth Semester

Research Project
Aircraft Armament & Guided Weapons (only for Local Officer Cadets)
Aviation Quality Management **
Commercial and Aviation Law
Industrial Engineering

* - Only for Officer Cadets

** - Only for Day Scholars and Foreign Officer Cadets

BSc in Aircraft Maintenance (Hons)

At a glance

Contact : 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	To be decided	To be decided
Registration fee 4 years (initial registration)	-	-
Library fees	To be decided	To be decided
Refundable library deposit	To be decided	To be decided
Refundable mess deposit	-	-

Introducing BSc in Aircraft Maintenance (Hons)

This degree is conducted for civilian undergraduates in partnership with SriLankan 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 'On the job training' at SLAC which will gain them the 'level 2 type certificate'. 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 (Hons) degree and EASA licence with only 2 years of practical experience in an EASA approved 145 Maintenance Repair and Overhaul (MRO) facility. The undergraduates will be highly employable in the industry as they pose 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 organization mainly due to the versatility of professional and academic exposure.

Why choose BSc in Aircraft Maintenance (Hons)?

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

- 1. Technical Knowledge:** Apply knowledge of mathematics, basic sciences, technical sciences and Aircraft Maintenance practices.
- 2. Problem Analysis:** Investigate and analyze complex Aircraft Maintenance problems with scientific research methods and technical knowledge.

3. Design / Development of solutions: Design systems, components and processes complying with relevant standards.

4. Investigations: Conduct investigations of complex problems using research based knowledge and research methods.

5. Modern Tool Usage: Apply computational, laboratory, field techniques and IT tools in Aircraft Maintenance activities.

6. The Engineer and Society: Assess social, health, safety, legal and cultural issues related to Aircraft Maintenance practices and propose integrated solutions.

7. Sustainability & Environment: Provide practical and sustainable solutions for Aeronautical Engineering problems.

8. Ethics: Conduct engineering practices while adhering to professional and ethical responsibilities.

9. Individual and Teamwork: Function as an individual and as a leader or a member in multi-disciplinary teams.

10. Communication: Communicate effectively with technical community and the society at large.

11. Project Management and Finance: Apply knowledge of management and business practices in the Aircraft Maintenance context.

12. Life-long learning: Engage in continuous professional development and life-long learning.

Eligibility criteria

BSc in Aircraft Maintenance (Hons)

Normal entry applicant (of any nationality) shall have completed the GCE O/L Examination with 6 passes including 4 Credit passes, with Credit passes for Mathematics and Science in one sitting and a Credit Pass for English in any sitting OR possess equivalent qualifications in a foreign curriculum as approved by KDU.

and shall have passed three subjects at GCE A/L Examination with university entry eligibility from Mathematics or Biology stream OR possess equivalent qualifications in a foreign curriculum as approved by KDU.

Curriculum

First Semester (SLAC)

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

Second Semester (SLAC)

Maintenance Practices I
Basic Aerodynamics I
Human Factors
Aviation Legislation
Turbine Aeroplane Aerodynamics, Structures and Systems IA

Turbine Aeroplane Aerodynamics, Structures and Systems IB
Gas Turbine Engines I
Propeller

Third Semester (SLAC)

Electrical Fundamentals II
Digital Techniques/
Electronic Instrument Systems II
Materials and Hardware II
Maintenance Practices II

Fourth Semester (SLAC)

Turbine Aeroplane Aerodynamics, Structures and Systems IIA
Turbine Aeroplane Aerodynamics, Structures and Systems IIB
Gas Turbine Engines II

Fifth Semester (KDU)

Quality Management Systems
Maintenance Operations in Aviation
Field Specific Software (Solid modeling)
Aviation Research & Design
Aircraft Metallurgy
Mathematics
Basic Computer Programming and Networking
English: Advanced Study Skills
Communication Skills Development

Sixth Semester (KDU)

Aircraft Accident Investigation & Response
Aviation Maintenance Management
Commercial and Aviation Law
Research Project
Aviation Quality Management
Operational Research
Human Rights

Seventh Semester (KDU)

Research Project
Workshop and Hangar Practices
Aircraft Composite Materials
Aviation Safety Management Systems
Aviation Operations Management
Human Resource Management and Industrial Relations
Probability and Statistics
Photography

Eighth Semester (SLAC) Industrial Training- 6 Months



BSc Eng. (Hons) in Biomedical Engineering

At a glance

Contact : 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?

Biomedical engineers primarily deal with the engineering space of the medical field. They involve in development of biocompatible prostheses, various diagnostic and therapeutic medical devices ranging from clinical equipment to micro-implants, common imaging equipment such as MRIs and EKG/ECGs, regenerative tissue growth, pharmaceutical drugs and therapeutic biologicals. Biomedical engineers have a far greater role in the future medical services as

engineering systems are becoming an integral part in all aspects of the medical profession. The base of the biomedical engineer has strong roots in electrical, electronic and mechanical engineering.

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

Second Semester

Introduction to Biomedical Engineering
Introductory Biology
Introductory Chemistry
General Physics I
Theory of Electricity
Applied Mechanics
Mathematical Software
Calculus
English - Advance Study Skills
Object Oriented Programming
Military Studies
Art & Tradition
Photography
International Relations
Western Dancing

Third Semester

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

Strategic & Defence Studies
Military Studies
Human Rights
History & Development of Engineering
Psychology for Engineers

Fourth Semester

Human Physiology
Biophysics
Instrumental Methods in Life & Biomedical Sciences
Medical Instrumentation I
Physiological Control Systems I
Biomedical Digital Signal Processing I
Engineering Product Design*
Advanced Programming
Numerical Methods & Complex Variables
Military Studies

Fifth Semester

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

Sixth Semester

Machine Vision and Image Processing
Immunology and microbiology
Hospital safety and Maintenance
Engineering
Medical Instrumentation II

Biomedical Digital Signal Processing II
Biotelemetry
Electrical Installation
Nanotechnology
Business Economics and Accounting

Industrial Training - 6 Months

Seventh Semester

Tissue Engineering
Biomaterials
Research Writing Skills
Medical Instrumentation III
Bio Mechanics II
Medical Image Processing
Power Electronics and Applications
Finite Element Modelling
Entrepreneurship
Human Resource Management & Industrial Relations

Eighth Semester

Research Project
Prosthetic Design
Rehabilitation Engineering
Neural Engineering
Bioinformatics
Medical Instrumentation IV
Medical Informatics and Expert Systems
Commercial & Industrial Law



BSc Eng. (Hons) in Civil Engineering

At a glance

Contact : 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
Fundamentals of Electrical Engineering
Basic Electronics
Mathematics
Workshop Technology
Engineering Drawing
Basic Computer Programming and Networking
English : Basic Study Skill (Engineering)
Sinhala for Beginners
Tamil for Beginners
Military Studies - (for Officer Cadets)

Second Semester

Building Construction and Materials
Soil Mechanics & Geology
Structural Mechanics I
Fluid Mechanics I
Mathematical Software
Calculus
Fundamentals of Thermodynamics
Applied Mechanics
English: Advanced Study Skills (Engineering)
Art and Tradition
Photography
International Relations
Western Dancing
Human Rights
Military Studies - (for Officer Cadets)

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)
Human Rights
History and Development of Engineering
Psychology for Engineers
Strategic & Defence Studies
Military Studies - (for Officer Cadets)

Fourth Semester

Hydraulic Engineering
Environmental Engineering I
Structural Analysis II
Surveying II
Design of Timber & Masonry Structures
Highway Engineering
Industrial Visits & Report Writing
Survey camp*
Numerical Methods & Complex Variables
English: Research Writing Skills
Military Studies - (for Officer Cadets)

Fifth Semester

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

Sixth Semester

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

Seventh Semester

Hydraulic Design
Geotechnical Design
Building Services Engineering
Remote Sensing, GIS and Mapping
Applied Finite Element Methods
in Structural Analysis

Irrigation Engineering
Individual Reserch Project
Comprehensive Design Project
Human Resource Management
and Industrial Relations

Eighth Semester

Individual Research Project
Comprehensive Design Project
Engineering Economics
Bridge Engineering
Traffic Engineering
Sustainable Design and Construction
Commercial & Industrial Law



BSc Eng.(Hons) in Electrical & Electronic Engineering

At a glance

Contact : 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 impact 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?

Electrical and Electronic engineers primarily deal with design, construction, operation, control and maintenance of large power and energy systems, such as national power systems. They involve in design and construction of large electrical installations, industrial automation systems, complex building management systems for modern buildings, large renewable energy systems with solar and wind power generations, micro grids for community level power systems, smart-grids

with embedded intelligence, and electrical transport systems including electric vehicles and rail transports. Electrical and electronic engineers involve in forecasting and planning of national energy requirement, economic energy mix and consumer tariffs.

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
Fundamentals of Civil Engineering
Mathematics
Workshop Technology
Engineering Drawing
Basic Computer Programming and networking
English: Basic Study Skills (Engineering)
Sinhala for Beginners
Tamil for Beginners
Military Studies

Second Semester

Theory of Electricity
Electronic Systems I
Introduction to Telecommunication
Art and Tradition
Photography
International Relations
Western Dancing
Mathematical Software
Calculus
Fundamentals of Thermodynamics
Applied Mechanics
Object oriented Programming
English - Advance Study Skills (Engineering)
Military Studies

Third Semester

Electrical Machines and Drives I
Power Systems I
Electrical Measurements and Electronic Instrumentation
Electrical Properties of Materials
Electronic Systems II
Signals and Systems
Human Rights
History and Development of Engineering

Psychology for Engineers
Advanced Calculus
Computer Aided Drafting
English-Writing and Speaking Skills (Engineering)
Strategic and Defence Studies
Military Studies

Fourth Semester

Industrial Visits and Report Writing
Individual Design Project
Power Systems II
Electromagnetics
Electrical Machines and Drives II
Communication Theory I
Microprocessors Microcontrollers and Embedded Systems
Numerical methods and Complex Variables
Control Systems Engineering
English-Research Writing Skills (Engineering)
Military Studies

Fifth Semester

Individual Design Project
High Voltage Engineering I
Electrical Installation Design I
Energy Studies and Environment
Communication Networks
Image Processing and Machine Vision
Photonics and Optoelectronics
Professional Ethics
Applied Statistics
Principles of Management

Sixth Semester

Industrial Visits and Report Writing
Electrical Installation Design II
Power Electronics and Applications I
Renewable Energy Systems
Power System Protection
Research Methodology
Project Management
Entrepreneurship for Engineers
Business Economics and Financial Accounting

Industrial Training - 6 Months

Seventh Semester

Power Systems III
Power Electronics and Applications II
Research Project
Robotics
Industrial Automation

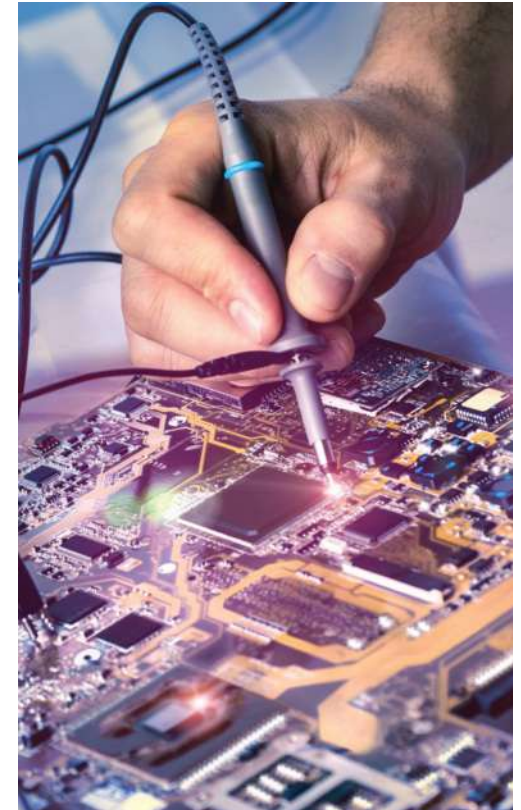
Advanced Control Systems
Machine Learning
Power System Planning and Reliability
Radar Engineering
Human Resource Management
and Industrial Relations

Eighth Semester

Research Project
High Voltage Engineering II
Electrical Machines and Drives III
Smart Grids and Distribution Networks
Power Quality
Mechatronics Systems
Commercial and Industrial Law

Ninth Semester

Advanced Military Training



BSc Eng. (Hons) in Electronic & Telecommunication Engineering

At a glance

Contact : 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?

Electronic and Telecommunication engineers deal with large networks of cellular, satellite and data communications, in planning, design construction, operation, maintenance and management. They deal with embedded electronic designs and system-on-chip designs for automotive, computer industrial and communication products. Electronic and

Telecommunication engineers have a firm footing in the software industry with new technologies such as cloud computing and smart phones that demands telecommunication related software developments. They deal with design and construction of automation systems involving artificial intelligence and computer visions.

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
Fundamentals of Civil Engineering
Mathematics
Workshop Technology
Engineering Drawing
Basic Computer Programming and networking
English: Basic Study Skills (Engineering)
Sinhala for Beginners
Tamil for Beginners
Military Studies

Second Semester

Introduction to Telecommunication
Theory of Electricity
Electronic Systems I
Mathematical Software
Calculus
Fundamentals of Thermodynamics
Applied Mechanics
English: Advanced Study Skills (Engineering)
Object oriented Programming
Art and Tradition
Photography
International Relations
Western Dancing
Military Studies

Third Semester

Signals and Systems
Design Software
Electrical Machines and Drives I
Power Systems I
Electrical Measurements and Electronic Instrumentation
Electrical Properties of Materials
Electronic Systems II
Advanced Calculus

English: Writing and Speaking Skills (Engineering)
Human Rights
History and Development of Engineering
Psychology for Engineers
Strategic and Defence Studies
Military Studies

Fourth Semester

Random Signals and Processes
Communication Theory I
Microprocessors, Microcontrollers and Embedded Systems
Industrial Visits and Report Writing
Individual Design Project
Electromagnetics
Numerical Methods and Complex Variables
Control Systems Engineering
English: Research Writing Skills (Engineering)
Military Studies

Fifth Semester

Industrial Visits and Report Writing
Antennas and Propagation
Digital Signal Processing
Individual Design Project
Communication Networks
Photonics and Optoelectronics
Image Processing and Machine Vision
Semiconductors and Solid-State Devices
Professional Ethics
Applied Statistics
Principles of Management

Sixth Semester

Wireless Communication I
Microwave Engineering
Communication Theory II
Engineering Product Design
Power Electronics and Applications I
Research Methodology
Project Management
Entrepreneurship for Engineers
Business Economics and Accounting

Industrial Training - 6 Months

Seventh Semester

Machine learning
Wearable Electronics (Optional)
Radar Engineering
Digital Systems Design
Research Project

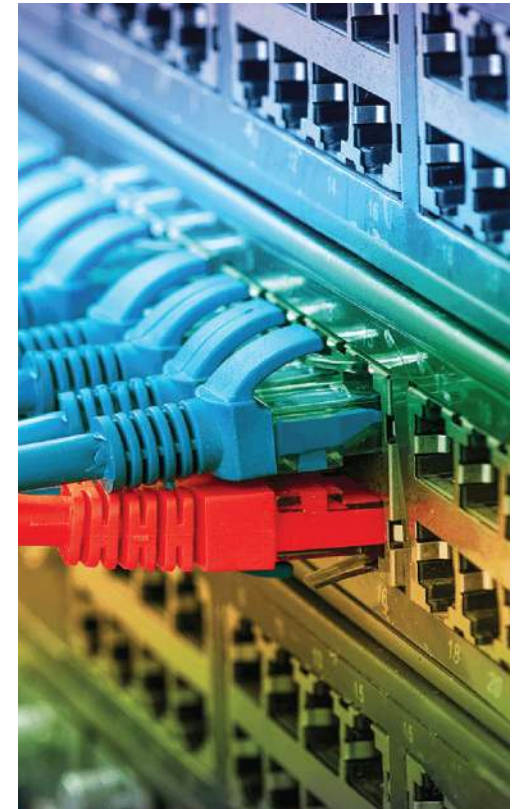
Robotics
Optical Communication Systems
VLSI Design
Communication Systems
Mechatronics
Human Resource Management and Industrial Relations

Eighth Semester

Research Project
Communication Theory III
Next Generation Networks
Telecommunications Network Architectures
Wireless and Mobile Communication
Internet of Things
Deep Learning
Commercial and Industrial law

Ninth Semester

Advanced Military Training



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)
Sinhala/Tamil for Beginners
Military Studies

Second Semester

Analog Electronics
Fundamentals of Thermodynamics
Engineering Materials
Applied Mechanics
Structural Mechanics I
Fluid Mechanics I
Humanities Elective I
Mathematical Software
Calculus
English: Advanced Study Skills (Engineering)
Military Studies

Third Semester

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

Fourth Semester

Industrial Visits & Report Writing
Programming for Mechatronic systems-
sensors and Actuators
Physical Metallurgy
Control Systems Engineering
Mechanics of Machines
Microprocessors, Microcontrollers
and embedded Systems
Numerical Methods & Complex Variables
English: Research Writing Skills (Engineering)
Military Studies

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
Research Methodology
Principles of Automation
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

Ninth Semester

Advanced Military Training



BSc Eng.(Hons) in Mechatronic Engineering

At a glance

Contact : 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)
Sinhala for Beginners
Tamil for Beginners
Military Studies - (only for Officer Cadets)

Second Semester

Analog Electronics
Fundamentals of Thermodynamics
Engineering Materials
Applied Mechanics
Structural Mechanics I
Fluid Mechanics I
Humanities Elective I
Mathematical Software
Calculus
English: Advanced Study Skills (Engineering)
Military Studies - (only for Officer Cadets)

Third Semester

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

Fourth Semester

Industrial Visits & Report Writing
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 (Engineering)
Military Studies - (only for Officer Cadets)

Fifth Semester

Mini Project
Mechatronic System Design
Advanced Control Systems
Machine Elements in Design
Digital Signal Processing
Professional Ethics
Digital Signal Processing
Applied Statistics

Sixth Semester

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

Industrial Training - 6 Months

Seventh Semester

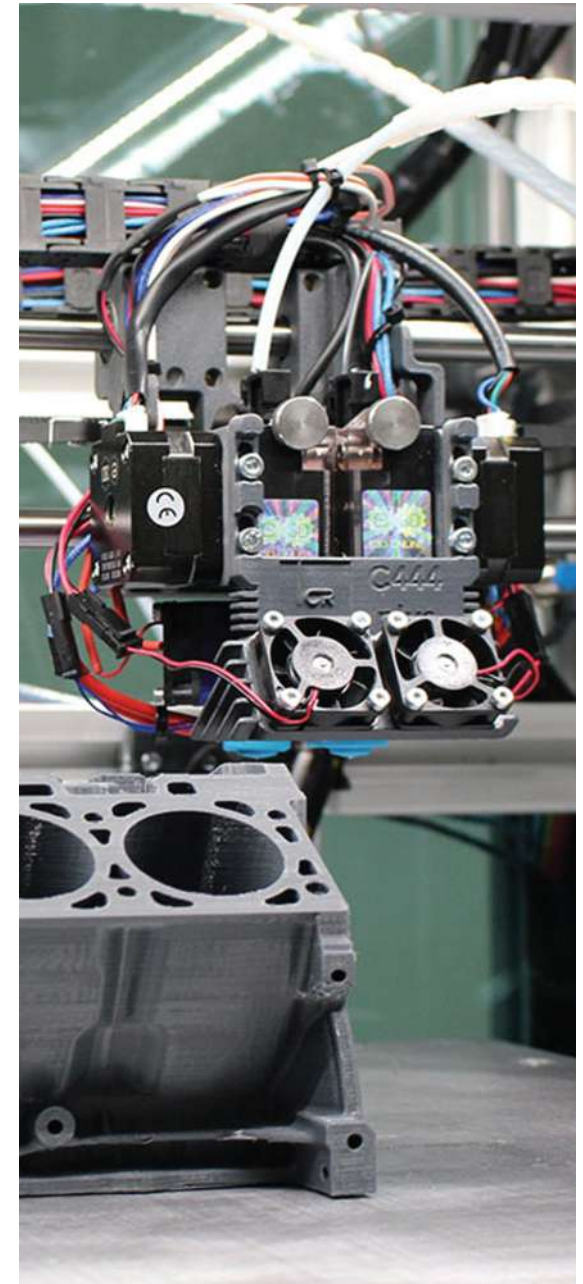
Advanced Automation
Advanced Robotics and Manipulators
Intelligent Systems Control
Technical Elective I
Research Project
Industrial Project Management
Operational Research
Human Resource Management & Industrial Relations

Eighth Semester

Research Project
Non-linear Control System
Industrial Engineering
Technical Elective II
Commercial & Industrial Law

Ninth Semester

Advanced Military Training
(only for Officer Cadets)



BSc Eng.(Hons) in Marine Engineering

At a glance

Contact : 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 system that keep a ship running. The course includes modules which cover Basic engineering science, Operational requirements of ships, Design features of marine vehicles. A student who earns 138 GPA credits and 17 NGPA credits is qualified for graduation while officer cadets who follow this stream are required to earn added 33 MGPA credits in order to complete the programme successfully.

Why choose BSc in Marine Engineering?

The Department of Marine Engineering of KDU is 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. The department has been fulfilling its mission and helping to gradually strengthen the Navy with much needed Marine Engineering knowhow. So far the department has produced over 200 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 necessary laboratory and workshop facilities for practical sessions and student projects. Further, with the collaboration of industrial giants, the department ensures collective and individual guidance for its students with a view to making them outshining personalities in the global maritime community.

Further, Department of Marine Engineering has installed 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.

Eligibility criteria

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

Curriculum

First Semester

Fundamentals of Civil Engineering
Fundamentals of Electrical Engineering
Basic Electronics
Mathematics
Engineering Drawing
Workshop Technology
Basic Computer Programming & Networking
English : Basic Study Skill (Engineering)
Sinhala/Tamil for Beginners**
Military Studies

Second Semester

Marine Engineering Materials
Structural Mechanics I
Fluid Mechanics I
Mathematical Software
Calculus
Fundamentals of Thermodynamics
Applied Mechanics
English Advanced Study Skills (Engineering)
Humanities Elective I
Military Studies

Third Semester

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

Fourth Semester

Industrial Visits & Report Writing
Marine Power Transmission
Solid Modeling Software
Numerical Methods & Complex Variables
Physical Metallurgy
Control Systems Engineering
Heat & Mass Transfer
Mechanics of Machines
English: Research Writing Skills(Engineering)
Military Studies

Fifth Semester

Ship Resistance & Propulsion
Naval Architecture and Ship's Stability
Professional Ethics
Applied Statistics
Advanced Control Systems
Machine Elements in Design
Fluid Power Systems
Principles of Management

Sixth Semester

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

Industrial Training - 6 Months

Seventh Semester

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
Engineering Knowledge (General) II
Steam Plant & Gas Turbine
Marine Industrial Engineering
Technical Elective



BSc Eng.(Hons) in Naval Architecture and Marine Engineering

At a glance

Contact : 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 Eng. (Hons) in Naval Architecture and Marine Engineering

KDU, as a leading organization in higher education in the country, offers various types of degree programs for both local and foreign students. Marine Engineering education at KDU has enlightened a number of Marine Engineers for Sri Lanka Navy. Expanding its horizon, KDU also initiated a degree program in BSc Eng (Hons) in Naval Architecture and Marine Engineering with the identification of much-needed professionals in Naval Architecture and Shipbuilding field, creating ventures for Day scholars in the field of Marine Engineering.

The course duration of the degree programme is 4 years (eight semesters) including 6 months industrial training together with an additional 6 months of advanced military training, which is only applicable for officer cadets. A student who earns 135 GPA credits and 16 NGPA credits is qualified for graduation while officer cadets who follow this stream, are required to earn additional 33 MGPA credits in order to complete the programme successfully.

Why choose BSc Eng. (Hons) in Naval Architecture and Marine Engineering?

The subject of Naval Architecture and Marine Engineering consist with a broad scope, ranging from design considerations of Maritime vessels and related systems, their operation and maintenance. Subject areas covering above aspects are taught in this programme and Practical training is offered by in-house laboratories available in the department. A strong practical based learning experience is supported by conducting field visits and Industrial Training, arranged in recognized Maritime Industries.

Eligibility criteria

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

A minimum of 2 'B' passes and one 'C' pass GCE Advance Level (Cambridge or Edexcel) covering Combine Mathematics, Physics and Chemistry in one sitting and

A minimum of 'C' pass for GCE Ordinary Level.

Curriculum

First Semester

Fundamentals of Civil Engineering
Fundamentals of Electrical Engineering
Basic Electronics
Mathematics
Workshop Technology
Engineering Drawing
English: Basic Study Skills (Engineering)
Sinhala/Tamil : Basics for beginners
Basic Computer Programming & Networking
Military Studies

Second Semester

Naval Architecture
Fundamentals of Ship Building Materials
Structural Mechanics I
Fluid Mechanics I
Calculus
Mathematical Software
Fundamentals of Thermodynamics
Applied Mechanics
English: Advanced Study Skills (Engineering)
Humanities Elective I
Military Studies

Third Semester

Principles of Ship Design
Ship Stability
Structural Mechanics II
Electrical Machines and Drives
Advanced Calculus
Computer Aided Drafting
Applied Thermodynamics
Dynamics of Mechanical Systems
English: Writing & Speaking Skills (Engineering)
Humanities Elective II
Strategic & Defence Studies
Military Studies

Fourth Semester

Ship Resistance
Marine Power Transmission
Industrial Visits & Report Writing
Numerical Methods and Complex Variables
Physical Metallurgy
Heat & Mass Transfer
Finite Element Analysis
English: Research Writing Skills (Engineering)
Military Studies

Fifth Semester

Ship Design
Ship Structures
Ship Propulsion
Sea Keeping & Manoeuvrability
Professional Ethics
Applied Statistics
Principles of Management

Sixth Semester

General Arrangement Design
Marine Superintendency
Ship Construction
Marine Diesel Engine
Marine Engineering Research Methods
Computational Fluid Dynamics
Business Economics & Financial Accounting

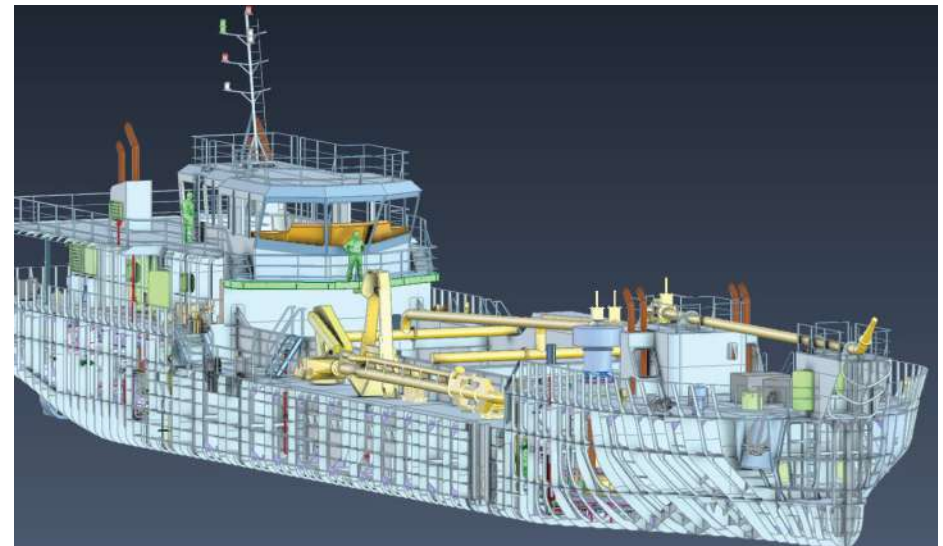
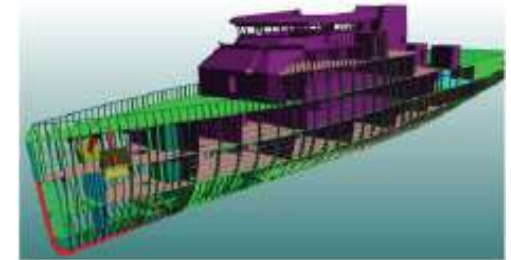
Industrial Training - 6 Months

Seventh Semester

Ship Controllability & Vibration
Engineering Knowledge (General I)
Applied Ship Design
Marine Project Management
Human Resource Management & Industrial Relations
Technical Elective I

Eighth Semester

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



BSc Eng. (Hons) in Building Services Engineering

At a glance

Contact : 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 Building Services Engineering

This four year degree programme is designed as the first such undergraduate course conducted by a Sri Lankan University. The course was developed in consultation with industry experts and academia to cater for the need in the field of Building Services Engineering field. The course gives knowledge in the fields of Mechanical, Electrical, and Plumbing as required by a Building Services Engineer. In addition to the academic studies, the undergraduates are exposed to the industrial environment through project work, industrial training 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 16 NGPA Credits and Engineering Officer Cadets require additional 35 MGPA Credits on top of the above for graduation.

Why choose BSc in Building Services Engineering?

Currently, either mechanical, electrical or civil engineers are working in as building services engineers as there is no undergraduate degree specifically designed for building services engineering in Sri Lanka. Therefore, our graduates are expected to have high demand in the industry.

Graduates will have variety of job opportunities in construction industry as well as in hotel chains, hospitals and similar community buildings which require such engineers at their operational level.

As the degree programme is designed considering the international standards, graduates will be able to work in similar projects overseas. Currently, there is high demand for this job role in Middle East countries and

East Asian countries where mega building projects are popular. Building Services engineers will play a key role in adapting sustainable practices for buildings to conserve energy. Sustainable engineering and green building concepts will be taught extensively in this programme and these practices are not limited to the construction stage, it would be needed at the maintenance stage as well.

These graduates will be able to conduct research and pursue their higher studies to be a researcher.

Eligibility criteria

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

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)
Sinhala for Beginners
Tamil for Beginners
Military Studies*

Second Semester

Architectural Aspects in Buildings
Theory of Electricity
Fluid Mechanics I
Fundamentals of Thermodynamics
Engineering Materials
Applied Mechanics
Calculus
English: Advanced Study Skills (Engineering)
Art and Tradition
Photography
International Relations
Western Dancing
Human Rights
Military Studies

Third Semester

Plumbing & Drainage System Design
Water and Wastewater Engineering
Electrical Machines and Applications
Lighting Design and Acoustic
Applied Thermodynamics
Computer Aided Drafting
English: Writing and Speaking Skills (Engineering)
Human Rights
History & Development of Engineering
Psychology for Engineers
Strategic and Defence Studies
Military Studies

Fourth Semester

Building Construction
Integrated Solid Waste Management
Surveying
MV and LV Power Distribution Systems
Control Systems Engineering
Heat and Mass Transfer
Industrial visits and report writing
Numerical Methods and Complex Variables
English: Research Writing Skills
Military Studies

Fifth Semester

Project Management
Electrical Installation Design
Heating Ventilation and Air Conditioning I
Fire Engineering I
Professional Ethics
Energy Management
Computational Fluid Dynamics for Building Applications
Applied Statistics
Principles of Management

Sixth Semester

Seminars & Case Studies in Building Services Engineering
Sustainable Building Design & Management
Research Methodology
Extra Low Voltage Systems I
Power Electronics
Heating Ventilation and Air Conditioning II
Fire Engineering II
Procurement and Contract Administration
Business Economics and Accounting

Industrial Training - 6 Months

Seventh Semester

Building Automation and Control Systems
Extra Low Voltage Systems II
Transportation Systems in Buildings
Energy Efficiency in Built Environment
Building Information Modelling
Individual Research Project
Comprehensive Design Project
Human Resource Management and Industrial Relations

Eighth Semester

Individual Research Project
Comprehensive Design Project
Engineering Economics
Testing, Commissioning, and Certification
Construction Law
Lighting Protection, Earthing and Surge Protection
Pneumatics, Medical Gas and Process Piping Systems





**GENERAL SIR JOHN KOTELAWALA
DEFENCE UNIVERSITY**

Welcome to the Faculty of Law

Degree Programme

Bachelor of Laws (LLB)

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.

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.1,500,000.00	USD 6000.00
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

The Candidate must have,

Completed GCE (A/L), Cambridge or Edexcel (A/L) or any other equivalent foreign examination in any year (based on the age requirement given) and be qualified for university admission.

Local GCE (A/L) examination

At least two credit passes (C) and one simple pass (S) in the following list at one and the same sitting at the A/L examination.

A minimum of a Credit Pass (C) for Sinhala/Tamil languages at GCE (O/L) examination.

Cambridge/Edexcel examinations

A minimum of three credit passes (C) in the following list:

Category A:

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

Or

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

Category B:

- Buddhism/ Buddhist Civilization
- Christianity/ Christian Civilization
- Greek & Roman Civilization
- Japanese
- English
- Sanskrit
- Hinduism /Hindu Civilization
- Agro Technology
- English Literature
- Global perspectives & Research
- Hindi
- Islam / Islamic Civilization
- Chinese
- Pali
- German
- Tamil
- French
- Sinhala
- Arabic
- Classical Studies
- Spanish
- Russian

And

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

Curriculum

First Semester

Legal History and Legal Systems of Sri Lanka
 Legal Methods
 Law of Persons
 Law of Succession
 Law of Trusts and Equity
 Introduction to Information Technology
 Communication Skills I
 English: Basic Study Skills (Law)
 Military Studies *

Second Semester

Law of Contracts
 Law of Delict
 Law of Property
 Military Law
 Interpretation of Statutes and Documents
 English: Advanced Study Skills (Law)
 Communication Skills II
 Military Studies *

Third Semester

Constitutional Law
 Administrative Law
 Criminal Law
 International Law
 Environmental law
 English: Writing and Speaking Skills (Law)
 Communication Skills III
 Strategic and Defence Studies *
 International Relations ~
 Military Studies *

Fourth Semester

Industrial Law
 Commercial Law
 Jurisprudence
 Law Related to Forensic Medicine
 Information Technology Law
 Human Resource Management and Interpersonal Skills
 English: Research Writing Skills (Law)
 Military Studies *

Fifth Semester

Human Rights Law
 International Humanitarian Law
 Research Methodology
 Research Project (Dissertation) ^
 Intellectual Property Law
 English for Legal Purposes
 Conflict Resolution

Sixth Semester

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

Seventh Semester

Military Training at Respective Military Academies*
 Maritime Law ~
 Aviation Law ~
 Law of the Space ~
 Law of the Sea ~
 Investment Law ~

Eighth Semester

Advanced Military Training at Respective Military Academies*
 Arbitration Law ~
 Construction Law ~
 Law of Taxation ~
 Finance Law ~
 Internship ~

* - For Officer Cadets only.

~ - For Day Scholars only.

^ - To be submitted during the Semester VI at a prescribed time.





**GENERAL SIR JOHN KOTELAWALA
DEFENCE UNIVERSITY**

Welcome to the Faculty of **Management, Social Sciences and Humanities**

Degree Programmes

BSc in Management & Technical Sciences
BSc in Logistic Management
BSc in Social Sciences
BA in Teaching English for Speakers of Other Languages (TESOL)
BSc in Applied Data Science Communication
BSc in Management

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. In addition to the language and communication study courses offered for all KDU faculties. Department of Languages offers two new degree programmes, i.e. Teaching English to Speakers of Other Languages (TESOL) and Applied data Science Communication 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.

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 Operations 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
Principles of 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 3 years (initial registration)	Rs. 4,000.00	LKR 5,000.00
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 and Management, Social Studies communication and Media Studies 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 200 students under the department. The Course offers Economics and Management, Social Studies and communication and Media Studies as main three broad areas and they are accompanied by a series of common and optional subjects carefully selected to instil the expected co-competencies of graduates in Social Science.

Why choose BSc in Social Sciences?

The degree is blended with Economics and Management, Social Studies and Communication and Media as core modules and they are accompanied by a series of common and optional 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 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 or three (D) passes at the Cambridge or Edexcel (A/L) or any other equivalent foreign examination in the relevant stream.
 - 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	41 Kg	(Unexpanded)	
Air Force	5' 6"	5' 4"	17<BMI<26	17<BMI<25		

*Subjected to change based on the military requirements.

DAY SCHOLARS

- Be between 17-24 years of age (Local)/17-25 years of age (Foreign) 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 minimum of a (D) grade in Cambridge/Edexcel (O/L) 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.

ii. 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
Introduction to State, Society and Culture
Introduction to Communication and Media Studies
Fundamentals of Management
Fundamentals of Geography
Mathematics for Social Sciences
English for Academic purpose I
Information & Communication Technology (ICT) Fundamentals
Military Studies - (Officer Cadets only)

Second Semester

Intermediate Microeconomics
Basics of Psychology
Median Culture and Society
Marketing Management
Basic Cartography
Fundamentals of Statistics
English for Academic Purpose II
Advanced ICT
Sinhala (non-Sinhala speakers) or Tamil (Sinhala speakers)
Military Studies II - (Officer Cadets only)

Third Semester

Intermediate Macroeconomics
Conflict, Peace and National Security
Development Communication
Research Methodology
Human Resource Management & Organizational Behavior
Geographic Information Systems & Remote Sensing
Research Writing Skills I
Disaster Risk Reduction
Strategic and Defence Studies
Military Studies III - (Officer Cadets only)

Fourth Semester

Applied Economics
Mental Health and Counselling
Public Relations and Professional Skills
Project Report
Research Writing Skills II
Data Analytical Packages for Social Sciences
Military Studies IV - (Officer Cadets only)

Fifth Semester

International Trade and Finance
Industrial and Organizational Psychology
Media Production Techniques
Strategic Management
(Pre requisites- Fundamentals of Management, Marketing Management, Human Resource Management and Organizational Behavior)
Future Studies and Strategic Foresight
Management Information Systems
Military Training - (Officer Cadets only)

Sixth Semester

Cadet Officers
Advanced Military Training

Day Scholars
Internship and 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	Rs. 950,000.00	USD 4,000.00
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

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

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Tel : +94-71-0219287

Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 950,000.00	USD 4,000.00
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

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 on 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	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 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



BSc in Management (BSM)

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. 450,000.00	-
Registration fee	Rs. 4,000.00	-
3 years (initial registration)	-	-
Library fees	Rs. 2,000.00	-
Refundable library deposit	Rs. 4,000.00	-
Refundable mess deposit		

Introducing BSc in Management

The BSc in Management degree is a three-year programme and is conducted on a semester basis. The duration of each semester shall, under normal circumstances, be a continuous period of 26 weeks from its beginning, which includes lectures, an examination period, and a vacation. The Programme of study leading to the BSc in Management degree shall be organised in six (06) semesters. The teaching and learning of the degree shall consist of lectures, seminars, workshops, discussions, simulations, practical components, self-study, guided reading, etc., and an applied research project as prescribed by the regulations and/or rules of the university.

The programme shall extend continuously over the period from the beginning of the first semester to the end of the sixth semester. There shall be an end-of-semester examination for each course offered in a particular semester. Under exceptional circumstances, the Senate may declare, on the recommendation of the Faculty, any semester to have a different duration and, if necessary, formulate Regulations or Rules for its implementation.

Why choose BSc in Management?

This degree programme is designed for the officers in tri-service, police, civil staff at KDU, and employed civil students. The course is conducted every other weekend at KDU for one group and on weekday evenings at KDU Metropolitan Campus, Colombo 1 for the other group. This degree programme offers a wide range of management-related modules which are pertinent to address most of the industrial requirements. The BSc in Management programme has a clear academic and professional approach and is well suited to the officers of Tri-Services, Police and executive officers in the public and private sectors, and professionals and practitioners in respective disciplines who wish to progress in their respective fields where an analytical focus is important. Further, the programme develops in-depth knowledge of the art in management; develops the professional knowledge and skills of cross-functional managers in any organization; develops the skills necessary to align resources, and improve communication, productivity and effectiveness; develops skills necessary for improving organizational effectiveness in dynamic and evolving workplaces.

Eligibility criteria

A candidate is eligible for admission to the programme of study leading to the BSc Degree in Management, provided he/she meets one of the following requirements:

- i. Be a Commissioned Officer of the rank of Captain/Lieutenant/ Flight Lieutenant or above, with a minimum of five (05) years of Commissioned Service.
or
- ii. Be a Police Officer in the rank of ASP/CI/IP with minimum of ten (10) years of service in the Department of Police.
or
- iii. Have obtained three (03) Simple passes (S) in the Advanced Level (Local, Cambridge or Edexcel) examination with the qualified status to the university entrance with a minimum of one (01) year experience in the Department or State Service, or Private Sector.
and
- iv. Have at least a Credit pass (C) for English language in the GCE Ordinary Level Examination or equivalent qualification in Cambridge/ Edexcel O/Ls Examination or a minimum band score of 6.5 in IELTS (Academic)
and
- v. Age is 18 years or above on the 1st January of the Academic year for which the candidate applies to register.

Curriculum

First Semester

Principles of Management
Business Environment
Managerial Psychology
Introduction to Entrepreneurship
IT for Business

Second Semester

Sociology
Communication Skills
Introduction to Mathematics
Introduction to Statistics
Microeconomics

Third Semester

Organizational Behavior
Business Mathematics
Macroeconomics
Operations Management
Financial Accounting

Fourth Semester

Business Law
Business Statistics
Marketing Management
Cost and Management Accounting
Human Resource Management

Fifth Semester

Management Information Systems
Financial Management
Supply Chain Management
Research Methodology
Auditing and Taxation

Sixth Semester

Strategic Management
Total Quality Management
Project Management
Entrepreneurship Development
Operations Research

And
Business Ethics and Governance
Business Innovation

Or
Research Project







**GENERAL SIR JOHN KOTELAWALA
DEFENCE UNIVERSITY**

Welcome to the

Faculty of **Allied Health Sciences**

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

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.

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	Rs. 4,000.00	LKR 4,000.00
library deposit	-	-
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 degree is recognized by the Sri Lanka Nursing Council (SLNC) and has obtained the registration in SLNC. 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 other state hospitals.

- exposure to the modern advances of healthcare systems in developed countries through collaboration programmes with foreign universities.

Opportunities for student exchange programmes with the collaborated 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

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

And,

II. 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,

III. 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,

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

And,

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

And,

VI. 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

I. 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.

II. 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.

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 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, (UHKDU) 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 (Elective module)
Physiotherapy in Occupational Health (Elective module)
Physiotherapy in War Rehabilitation (Elective module)
Teaching in Physiotherapy (Elective module)
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 success full 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.

The BSc in Radiography programme of KDU is accredited by Ceylon Medical College Council, Sri Lanka. 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 / 79 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
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Refundable library deposit	Rs. 4,000.00	LKR 4,000.00
Refundable mess deposit	Rs. -	-

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Why choose BSc (Hons) in Radiotherapy ?

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 / 79 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

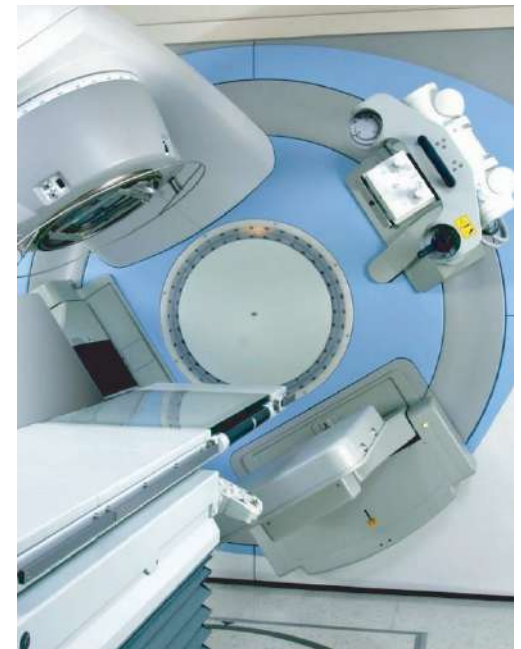
Care of Patient Under Special Circumstances
Methods & Techniques of Radiotherapy II External Beam
Practice of Radiotherapy II - External Beam
Quality Assurance in Radiotherapy 1
Treatment Planning Process 2
Care of Patient Under Special Circumstances

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







**GENERAL SIR JOHN KOTELAWALA
DEFENCE UNIVERSITY**

Welcome to the

Faculty of
**Built Environment
and
Spatial Sciences**

Degree Programmes

Bachelor of Architecture
BSc (Hons) in Surveying Sciences
BSc (Hons) in Quantity Surveying
BSc (Hons) in Industrial Service Quality Management

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 neighbourhoods 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 four departments namely, Department of Architecture, Department of Quantity Surveying, Department of Spatial Sciences and Department of Industrial Quality Management. These departments conduct four degree programmes for Officer Cadets, Day Scholars and foreign students as well. Further, all these degree programmes have been designed to meet both local and international professional qualifications.

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. It is five years degree programme, with a provision of an exit point in the 3rd year, for students who are in need. The Department implements well-structured degree programme to prepare students to be proficient Architects and academically competent personalities. This is features a rigorous design-oriented curriculum with a solid foundation in technology, environment, history, society & culture and research & communication. The curriculum also endows 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.

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

Bio Science	Higher Mathematics	
Chemistry	Physics	Arts
Combined Mathematics	Geography	
 - Subject / subjects from the selected following 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
Pali	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)

Eleventh Semester

Advanced Military Training at
Respective Military Academy

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?

The 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 field of Geomatics 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

Year 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

Year 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

Year 2 - Semester I

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

Year 2 - Semester II

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

Year 3 - Semester I

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

Year 3 - Semester II

Geodetic Surveying
Physical Geodesy
Hydrography II
Construction Surveying Practice II
Remote Sensing II
Digital Photogrammetry
Geographical Information Science II
Research Methodology
Urban and Regional Planning
Geo-Statistics

Year 4 - Semester I

Ocean Mapping
Remote Sensing III
Geographical Information Science III
Sustainability Development
Disaster Management
Entrepreneurship Skills
Project

Year 4 - Semester II

Bachelor's Thesis
Industrial Training



BSc (Hons) in Quantity Surveying

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.1,400,000.00	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 (Hons) in Quantity Surveying

We, the Department of Quantity Surveying conduct the undergraduate degree programme for Bachelor of Science (Honours) in Quantity Surveying four years in full-time period. The Degree obtained accreditation from the IQSSL in 2022. 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/Arbitrators 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 (Hons) in Quantity Surveying ?

A Graduate Quantity Surveyor could perform general Quantity Surveying Services in terms of a 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 the 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 mathematics 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 TOEFL with a minimum score of 79 or IELTS 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 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

Level 1 - Semester I

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

Level 1 - Semester II

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)
Military Studies

Level 2 - Semester II

Organizational Behavior
Project Practices I
Services III
Risk Management
Building Information Modeling
English IV

QS Group Project Work – III
Price Analysis
Design Appreciation III (AutoCAD Architectural & Structural)
Civil Engineering Measurement
Law III (Construction Law)
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 Law 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

BSc (Hons) in Industrial and Service Quality Management

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.1,200,000.00	
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. (Hons) in Industrial and Service Quality Management

The Department of Industrial Quality Management conducts academic study programme in the field of Industrial, namely B.Sc. Honors in Industrial and Service Quality Management. The department implements well-structured degree programme to prepared students to be proficient Quality managers and academically competent personalities.

The programme of study leading to award the BSc Hons (Industrial & Service QM) Degree comprises with eight (08) academic semesters including industrial training offered over four (04) academic years.

Why Choose BSc. (Hons) in Industrial and Service Quality Management ?

Students who have completed the B.Sc. Honors in Industrial and Service Quality Management degree will have acquired an advanced level of education including both specialist knowledge and general intellectual and life skills that prepare them for gainful employment in the field of quality management and cover the knowledge, skills, attitudes and mindsets which are required to be a perfect professional in the field of sustainable quality management.

The graduate will be able to

- acquire the subject knowledge, skills and attitudes in the field of industrial and service quality management.
- apply the knowledge and skills to solve the real-world problems in the field of industrial and service quality management.
- adapt to different environment with mindset, desirable attitudes and a vision for life and maintaining professionalism.
- maintain a lifelong professional development by updating themselves with emerging trends in the field of industrial and service quality management.

Eligibility criteria

- List the GCEA/L subject basket: A minimum of three Simple Passes (S) of the subjects of Physical Science, Bio Science, Commerce, Arts streams at one and the same sitting of the GCE A/L examination and be qualified for university admission.
- GCE O/L Credit pass for Mathematics and English.
- Selection Test + Interview conducted by KDU

Curriculum

Semester I

Management & Business Environment
Introduction to Quality Management
Business Mathematics
Information Technology
Business and Professional Communication
Business Economics
Graphic Design

Semester II

Operations Management
Accounting
Business Statistics
Human Resource Management
Academic and Professional Writing
Supply Chain Management
Leadership in Quality

Semester III

Quality Tools and Problem Solving
Lean and Six Sigma I
Total Quality Management (TQM)
ERP for Quality Management
Marketing Management
Financial Management
Personality Development and Grooming

Semester IV

Quality Management System (QMS)
Lean and Six Sigma II
Management Information Systems
Operation Research
Business and Industrial Law
Business Excellence Models
Environment, Culture and Society

Semester V

Strategic Management
Lean and Six Sigma III
Organizational Behaviour
Service Quality Management
Digital Business and Quality Marketing
Project Management

Semester VI

Industrial Training
Industrial Project Report

Semester VII

Research Methodology
Business Analytics
Management System Audit
Sustainable Quality Management
Artificial Intelligence
Creative Thinking and Entrepreneurship

Semester VIII

Dissertation
Integrated Case Study
Workshop and Seminar in Quality Management
Intellectual Capital and Quality Management







**GENERAL SIR JOHN KOTELAWALA
DEFENCE UNIVERSITY**

Welcome to the

Faculty of **Computing**

Degree Programmes

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

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 and Huawei 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 Modelling, 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 Six (06) four-year degree programmes.

BSc Honours in Computer Science

At a glance

Contact : Senior Assistant Registrar

E-mail : arfoc@kdu.ac.lk

Tel : +94-71-0219396

Course fee structure

Item	Local Students (LKR)	Foreign Students (USD)
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 USD 1350.00

Introducing BSc (Hons) in Computer Science

The intention of formulating this programme is to provide CS 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 128 GPA credits and 19 NGPA credits for graduation. Officer Cadets require 18 MGPA credits in addition to the aforesaid credits for graduation.

Why choose BSc (Hons) in 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 attend 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) three (03) D passes 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 Maths 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
Web Development
Computer Networks I
Fundamentals of Electrical Engineering
Basic Electronics
Discrete Mathematics
Group Project in Hardware
Military Studies II
Leadership Training
English : Advanced study skills for CS/SC/CE

Second Year

Data Structures and Algorithms I
Operating Systems
Object Oriented Programming II
Computer Networks II
Requirements 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
Strategic Defence Studies
Writing and Speaking Skills
Research Writing Skills

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
Software Quality Assurance

BSc Honours in Computer Engineering

At a glance

Contact : Senior Assistant Registrar

E-mail : arfoc@kdu.ac.lk

Tel : +94-71-0219396

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) in 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 131 GPA credits and 15 NGPA credits for graduation. Officer Cadets require 18 MGPA credits in addition to the aforesaid credits for graduation.

Why choose BSc (Hons) in 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) in 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) three (03) D passes 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 Maths 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*
Developments in Mathematics & Sciences
Object Oriented Programming I

Web Development
Computer Networks I
Fundamentals of Electrical Engineering
Basic Electronics
Discrete Mathematics
Military Studies II*
Leadership Training
Communication Skills for Computing

Second Year

Data Structures and Algorithms I
Operating Systems
Object Oriented Programming II
Computer Networks II
Requirements Engineering
Electronics Systems
Calculus & Numerical Methods
Group project in Software Development
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
Strategic Defence Studies*

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
Artificial Cognitive Systems
Distributed Systems
Advanced Topics in Statistics
Individual Research Project
Industrial Training
Software Quality Assurance

* - Only for Officer Cadets



BSc Honours in Software Engineering

At a glance

Contact : Senior Assistant Registrar
E-mail : arfoc@kdu.ac.lk
Tel : +94-71-0219396

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 USD 1350.00

Introducing BSc (Hons) in Software Engineering

BSc Honours 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 19 NGPA Credits for graduation. Officer Cadets require 18 MGPA credits in addition to the aforesaid credits for graduation.

Why Choose BSc (Hons) in 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) in 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) three (03) D passes 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 Maths 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
Database development
Basic Study Skills in English for CS/CE/SE
Group Project in Hardware
Military Studies
Developments in Mathematics & Sciences
Object Oriented Programming I
Web Development
Computer Networks I
Fundamentals of Electrical Engineering
Basic Electronics
Discrete Mathematics
Group Project in Hardware
Military Studies I
Military Studies II
Leadership Training
English : Advanced Study Skills for CS/CE/SE

Second Year

Data Structures and Algorithms I
Operating Systems
Object Oriented Programming II
Computer Networks II
Requirements Engineering
Electronics Systems
Calculus & Numerical Methods
Group project in Software Development
Military Studies III
Military Studies IV
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
Principles of Management
Strategic Defence studies
Writing and Speaking Skills
Research Writing Skills

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 Assurance
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 Honours in Information Technology

At a glance

Contact : Senior Assistant Registrar

E-mail : arfoc@kdu.ac.lk

Tel : +94-71-0219396

Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 800,000.00	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) in 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. In order to understand the concepts and processes for achieving organizational goals with Information Technology. In addition to sound technical knowledge and organizational understanding, they will be 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 141 GPA Credits and 18 NGPA credits for graduation. Officer Cadets require 18 MGPA Credits in addition for graduation.

Why choose BSc (Hons) in Information Technology?

The degree programme is structured 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.

Further, 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) three (03) D passes 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 Bio/Maths/Commerce or Art 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
Basic 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
Writing and Speaking Skills
Research Writing Skills

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 Honours in Information Systems

At a glance		
Contact	: Senior Assistant Registrar	
E-mail	: arfoc@kdu.ac.lk	
Tel	: +94-71-0219396	
Course fee structure		
Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 800,000.00	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) in Information Systems

Bachelor of Science Honours in Information Systems Degree – BScHons (IS) programme at KDU has been designed in accordance with ACM/IEEE international guidelines. BScHons (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. In order to understand concepts and processes for achieving organizational goals with Information Systems. Apply various tools and techniques on how vast amount of data collected by modern organizations to review, redesign, and improve processes. (Students need to earn 143 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) in Information Systems?

The degree programme is structured well 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.

Further, 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) three (03) D passes 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 Bio/Maths/Commerce or Art 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
 Basic 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
 Writing and Speaking Skills
 Research Writing Skills

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
 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
 Machine Learning
 Individual
 Research Project



BSc Honours in Data Science and Business Analytics

At a glance

Contact : Senior Assistant Registrar
E-mail : arfoc@kdu.ac.lk
Tel : +94-71-0219396

Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	LKR 1,200,000.00	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 Honours in Data Science and Business Analytics

Bachelor of Science Honours 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 Honours in Data Science and Business Analytics degree in four years. The medium of instructions is in English.

Proposed BScHons (DSBA) 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 130 and it is distributed among above four subject areas.

Concept paper (Senate Memo 70/31) on commencing the BSc Honours 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 Honours 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 Honours 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 Honours 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. Honours 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 etc.
- The students who take BSc Honours 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 Honours 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) three (03) D passes 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 Maths 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 Honours in Data Science and Business Analytics	4 Years	Maths	Male Female

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 I
Discrete Mathematics for Data Science
Probability and Statistics
Object Oriented Programming
Programming for Data Science
Database Management Systems
Business Economics
Fundamentals of Business Communication
Military Studies II

Second Year

Calculus II
Linear Algebra II
Statistical Computing with R
Statistics Interface
Data Structures and Algorithms
Accounting and Finance
Advanced Communication Skills
Military Studies III
Regression Analysis
Introduction to Artificial Intelligence
Business Analytical Techniques
Software Engineering

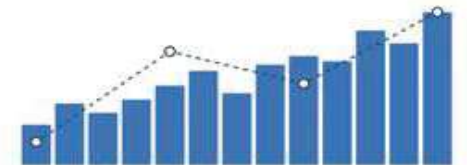
Cost & Management Accounting
Financial Analysis
Conversation Analysis
Military Studies IV

Third Year

Advanced Database Management Systems
Data Mining and Data Warehousing
Introduction to Machine Learning
Computer Networks
Research Methodology
Operations Research
Marketing for Analytics
Big Data Analytics
Financial Time Series Analysis
Group Project in Data Science
Bayesian Data Analysis
Caterlogical Data Analysis
Multivariate Data Analysis
Professional Practices and IT Law
Operation Management
Discourse Communication

Fourth Year

Deep Learning
Information Security
Image Processing & Computer Vision
Project Management
Semantic Web and Ontology
Natural Language Processing
Emerging Trends in Data Science
Parallel Computing
Strategic Business Analytics
Data Management and Governance
Cloud Computing
Cyber Security
Contemporary Mangement Practices
Industrial Training
Individual Research Project *







**GENERAL SIR JOHN KOTELAWALA
DEFENCE UNIVERSITY**

Welcome to the Faculty of **TECHNOLOGY**

Degree Programmes

BET (Hons) in Biomedical Instrumentation Technology

BET (Hons) in Building Services Technology

BET (Hons) in Construction Technology

BT (Hons) in Information and Communication Technology

The Faculty of Technology was established as the 10th faculty of KDU. The faculty aims to produce technology graduates with competency and industrial experience who can fill the shortage of competent professionals needed in the rapidly growing technology sector. The faculty offers a wide range of degrees, from engineering technology, ICT to biosystems technology. Four-year degree programmes are conducted in English. The curricula of those degree programmes have been developed to satisfy UGC guidelines and guidelines prescribed by relevant professional bodies. The Faculty also provides students with a myriad of opportunities to engage in practical, hands-on learning. This is achieved through collaborations with industry partners to work on real-world projects, exposure to emerging technologies and industry trends through guest lectures and seminars, and internship opportunities to gain valuable work experience. In addition to producing employable graduates, the Faculty also actively promotes an entrepreneurial mindset among its students.

BET (Hons) in Biomedical Instrumentation Technology

At a glance

Contact : Assistant Registrar

E-mail : arfot@kdu.ac.lk

Tel : +94-11-2635268

Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,200,000.00	USD 2500 (SAARC) USD 3000 (Others)
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	-	-

Introduction to BET (Hons) in Biomedical Instrumentation Technology

Biomedical Instrumentation Technology encompasses areas of technology which is used to diagnose, monitor and treat diseases that affect humans.

This degree program is designed to provide students with hands on experience in installing and maintaining medical equipment used in a health care setting. Students need to earn 120 GPA Credits and 15 NGPA credits for graduation while Technology officer cadets in this stream require further 35 MGPA Credits

Why choose BET (Hons) in Biomedical Instrumentation Technology?

Knowledge of technical processes, the ability to use and to carry out preventive maintenance of most medical/analytical instruments are among many talents' students will gain after studying Biomedical Instrumentation Technology degree programme.

A student who has completed the Biomedical Instrumentation Technology degree at the Faculty of Technology will have acquired knowledge in Biomedical instrumentation and Biomedical sciences to be able to plan, assess, select, procure, inventories, install, train, maintain, commission and decommission medical equipment used in a health care setting.

Biomedical Instrumentation Technology degree will prepare you to take up jobs as a Biomedical Instrumentation Technologist, Healthcare Technology officer (Army, Navy, Air force), Biomedical Equipment Support Specialist, Clinical Equipment Specialist, Healthcare Engineering Technologist, Laboratory

Equipment Specialist, Imaging Equipment Specialist, Project Manager, Medical Device Cyber Security Specialist, Field Service Technologist, Clinical Systems Technologist , Hospital Information System Management Technologist.

Eligibility criteria

A minimum of 3 "S" passes in GCE Advance Level (Local) in the Technology Stream Engineering Technology, Science for Technology, and one subject from the elective list: (Economics, Geography, Home Economics, English Language, Accountancy, Communication and Media Studies, Information and Communication Technology, Arts, Business Studies, Agriculture, Mathematics)

And

A 'C' pass for English at the General Certificate of Education (Ordinary Level) examination.

Or

A minimum "D" pass (Mathematics/Physics/Biology) in any of the following examinations.

General Certificate of Secondary education (GCSE) (UK)
General Certificate of Education Advanced Level Pearson Edexcel or Cambridge

And

A minimum of C pass for English in G.C.E O/L Examination or any other equivalent foreign examination accepted by the senate.

Curriculum

First Semester

Introductory Physics
Thermofluidics
Introductory Biology
Introductory Chemistry
Mathematics
Programming Fundamentals
Thermodynamics
English I

Second Semester

Medical Physics
Fundamentals of Electrical and Electronics Engineering
Human Anatomy and Physiology I
Biochemistry
Biomedical Ethics
Calculus I
Object-Oriented Programming
English II
Communication Skills I

Third Semester

Electrical Machines and Drives
Embedded Systems
Medical Electronic Devices
Signals and Systems
Computer Studies, Networking and Telecommunication
Human Anatomy and Physiology II
General Microbiology
Calculus II
English III
Communication Skills II

Fourth Semester

Occupational Health and Safety
Digital Signal Processing
Biomedical Control Systems I
Medical Instrumentation I
Biomedical Sensors and Actuators
Medical Image Processing
Principles of Business Management
Immunology
English IV
Communication Skills III
Sinhala/Tamil Basics for Beginners

Fifth Semester

Medical Instrumentation II
Biomedical Control Systems II
Biomedical Signal Processing
Medical Imaging Systems
Healthcare Waste Management Systems
Mini Project (Group project)
English V
Communication Skills IV
Dancing
Photography

Sixth Semester

Industrial Training

Seventh Semester

Advanced Diagnostics and Surgical Equipment
Installation of Medical Equipment
Codes Regulations and Patient Safety
Hospital Info. Management Systems
Biomedical Laser Instrumentation
Marketing
Statistics and Research Methodology

Eighth Semester

Research Project
Radiopharmacy and Radiotherapy Equipment
Medical Robotics
Wearable Systems and Mobile Healthcare
Artificial Intelligence in Healthcare
Healthcare Entrepreneurship
Project Management
IoT and Telehealth Technology
Bioinformatics
Healthcare Device System Security
International Relations
Arts and Tradition



BET (Hons) in Building Services Technology

At a glance

Contact : Assistant Registrar

E-mail : arfot@kdu.ac.lk

Tel : +94-11-2635268

Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.1,200,000.00	USD 2500 (SAARC) USD 3000 (Others)
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	-	-

Introduction to BET (Hons) in Building Services Technology

This four-year undergraduate program aims to provide competence in Building Services Technology related to all aspects of the building's interior environment, such as maintaining electrical and mechanical services (heating, cooling, lighting, water, lifts, and telecommunications), power supply.

Building Automation, Building Acoustics, and Energy Efficiency in Buildings, so that the graduates are well equipped to become competent Building Services Engineering Technologists

Why choose BET (Hons) in Building Services Technology?

Building services is the field that blends mechanical, civil, and electrical engineering technologies required to produce professionals in the building services industry. The Building Services Technology Degree programme offers both theoretical, practical and industrial training in the areas of heating, ventilation, air conditioning, and refrigeration (HVACR) systems, electrical installation technology, plumbing and drainage systems, facility management, and building lighting systems.

The knowledge and skills gained by the graduates from this degree programme will make them competent in their profession and in their careers in the future. The curriculum also offers a vast area of opportunities in further studies/research as a graduate.

The Building Services Technology degree will prepare you to take up employment as a Building Services Engineering Technologist, Building Services Technology Officer (Army, Navy, Air Force), Facility

Engineering Technologist, Maintenance Engineering Technologist, Operation Engineering Technologist, Service Engineering Technologist, Plumbing Engineering Technologist, Project Engineering Technologist, Field Service Engineering Technologist, Planning and Estimation Engineering Technologist, Facility Manager, Assistant Project Manager, Building Services Executive, Maintenance Executive Officer.

Eligibility criteria

A minimum of 3 "S" passes in GCE Advance Level (Local) in the Technology Stream. Engineering Technology, Science for Technology, and one subject from the elective list: (Economics, Geography, Home Economics, English Language, Accountancy, Communication and Media Studies, Information and Communication Technology, Arts, Business Studies, Agriculture, Mathematics)

And

A "C" pass for English at the General Certificate of Education (Ordinary Level) examination (GCE O/L).

Or

A minimum "D" pass (Mathematics/Physics/Biology) in any of the following examinations.
General Certificate of Secondary education (GCSE) (UK)
General Certificate of Education Advanced Level Pearson Edexcel or Cambridge

And

A minimum of "C" pass in English at GCE Ordinary Level, or any other equivalent foreign examination accepted by the Senate.

Curriculum

First Semester

Introductory Physics
Engineering Drawing
Fundamentals of Civil Engineering
Workshop Technology
Mathematics
Programming Fundamentals
Thermodynamics
English I

Second Semester

Fluid Mechanics
Thermofluids
Applied Mechanics
Technical Drawing and CAD
Fundamentals of Electrical and Electronic Engineering
Calculus I
English II
Communication Skills I

Third Semester

Fundamentals of Electrical Systems
Water Management
Ancillary Systems
Industrial Health and Safety
Strength of Materials
Computer Studies, Networking and Telecommunication
Calculus II
English III
Communication Skills II

Fourth Semester

Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) Systems
Hydraulic and Pneumatic Systems
Electrical Installation Technology
Fire Protection, Fire Detection and Extinguish Systems
Plumbing and Drainage Systems
Building Compliance, Regulations & Codes
English IV
Communication Skills III
Sinhala/Tamil Basics for Beginners

Fifth Semester

HVACR Systems Installation, Testing, Commissioning and Maintenance
Design, Installation and Maintenance of Vertical Transportation Systems
Steam Generation, Distribution and Hot Water Systems
LP Gas and Medical Gas Systems
Human Resource Management
Mini Research Project
English V
Communication Skills IV
Dancing
Photography

Sixth Semester

Industrial Training

Seventh Semester

Building Automation Systems
Building Assessment and Improvement
Building Acoustics
Intelligent Buildings
Maintenance Management
Professional Ethics
Statistics and Research Methodology

Eighth Semester

Group Design Project (Final Year Project)
Commercial and Industrial Law
Facility Management
Building Lighting Systems
Building Integrated Renewable Energy Systems
Business Economics and Financial Accounting
Entrepreneurship and Small Business
Sustainable Construction
International Relations
Arts and Tradition



BET (Hons) in Construction Technology

At a glance		
Contact	: Assistant Registrar	
E-mail	: arfot@kdu.ac.lk	
Tel	: +94-11-2635268	
Course fee structure		
Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs. 1,200,000.00	USD 2500 (SAARC) USD 3000 (Others)
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	-	-

Introduction to BET (Hons) in Construction Technology

This four-year undergraduate degree programme aims to impart skills and knowledge of Construction Technology to the students and develop in them the competencies required for the professional construction industry. In addition to the academic studies, the undergraduates are exposed to the industrial environment through project work, industrial training, hands-on training, surveying camp, construction camp, heavy machinery handling and industrial visits. The wide range of competencies required by the graduates as professionals and military officers are developed through interdisciplinary studies.

Why choose BET (Hons) in Construction Technology?

The curriculum is developed through industry-academia collaboration to make it more suitable for the current construction industry requirements. This degree programme aims to produce Construction Technology graduates who have the knowledge, technical skills and competencies together with communication, managerial, and entrepreneurial skills necessary to work in the Construction industry as part of a team to ensure the highest standards and best practices in construction management, services, maintenance and operations.

The Construction technology degree will prepare a graduate to take up careers as a Construction Engineering Technologist, Engineering Technological Officer (Army, Navy, Air force), Building Control Officer, Building Control technologist, Design & Build

Co-Ordinator, Construction Site Supervisor, Site Manager and any other Professionals related Construction Industry.

Eligibility criteria

A minimum of 3 "S" passes in GCE Advance Level (Local) in the Technology Stream Engineering Technology, Science for Technology, and one subject from the elective list: (Economics, Geography, Home Economics, English Language, Accountancy, Communication and Media Studies, Information and Communication Technology, Arts, Business Studies, Agriculture, Mathematics)

And

A "C" pass for English at the General Certificate of Education (Ordinary Level) examination (GCE O/L).

Or

A minimum "D" pass (Mathematics/Physics/Biology) in any of the following examinations.
General Certificate of Secondary education (GCSE) (UK)
General Certificate of Education Advanced Level Pearson Edexcel or Cambridge

And

A minimum of "C" pass for English in GCE Ordinary Level or any other equivalent foreign examination accepted by the senate.

Curriculum

First Semester

Engineering Drawing
Fundamentals of Civil Engineering
Workshop Technology
Introductory Physics
Mathematics
Programming Fundamentals
Thermodynamics
English I

Second Semester

Fluid Mechanics
Thermofluids
Applied Mechanics
Technical Drawings and CAD
Engineering Measurement
Calculus I
English II
Communication Skills I
Soil Mechanics and Geology
Object Oriented Programming

Third Semester

Strength of Material
Concrete Technology
Construction Technology
Machinery Technology I
Soil Mechanics
Surveying I
Calculus II
English III
Communication Skills II

Fourth Semester

Construction Regulations and Ethics
Estimating and Tendering in Construction
Building Construction and Materials
Construction Management
Surveying II
Structural Mechanics
Machinery Technology II
English IV
Communication Skills III
Tamil Basics for Beginners
Sinhala Basics for Beginners

Fifth Semester

Foundation Technology
Reinforced Concrete Technology
Construction Camp
Construction Safety and Health Management
Mini Project (Group Project)
English V
Communication Skills IV
Dancing
Photography

Sixth Semester

Industrial Training

Seventh Semester

Steel Structure Technology
Solid and Hazardous Waste Management
Numerical Methods in Engineering Technology
Building Services Technology
Hydrology and Hydraulic Structures
Highway Construction and Maintenance Technology
Advanced Techniques in Construction processes
Statistics and Research methodology

Eighth Semester

Research project
Sustainable Construction
Computer Aided Structural Design
Bridge Construction
Artificial Intelligence in Construction Technology
Disaster Resilient Construction
Commercial and Industrial Law
Business economics and Financial Accounting
Entrepreneurship and Small business
International Relations
Art and Tradition



BT (Hons) in Information and Communication Technology

At a glance

Contact : Assistant Registrar

E-mail : arfot@kdu.ac.lk

Tel : +94-11-2635268

Course fee structure

Item	Local Students (LKR)	Foreign Students (USD) Per Annum
Tuition fee	Rs.800,000.00.00	USD 1500 (SAARC) USD 2000 (Others)
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	-	-

Introduction to BT (Hons) in Information and Communication Technology

The aim of this four-year undergraduate program is to prepare students to be competent in all areas of information and communication technology, including software engineering, computer networking, databases, cyber security and internet of things. The program also aims to prepare students for effective teamwork in multidisciplinary environment and preparing graduates for successful careers as ICT in the future.

Why choose BT (Hons) in Information and Communication Technology?

Information and Communication Technology is the field that blends Software Engineering, Computer Networking, Database and Computer Hardware required to produce professionals in the Information Technology industry. The Information and Communication Technology Degree programme offers theoretical, practical, and industrial training in the areas of Computer Programming, Database Systems, Data Communication and Networking, Cyber Security, Cloud Computing, Digital Marketing and System Administration and Maintenance.

The knowledge and skills gained by the graduates from this degree programme will make them competent in their profession and in their careers in the future. The curriculum also offers a vast area of opportunities in further studies/research as a graduate.

The Information and Communication Technology degree will prepare you to take up employment as a Technologists in Cyber Security ,ICT Innovator, ICT Service Technician, ICT Marketing Executive, IT Project

Support Technologist, Application Developer, Network Operator and Technologist, Multimedia Technologist, Communication Specialist, Design Technologist, Desktop Publisher, System Installation Engineer, Web Designer, Web Developer, UX/UI Engineer, Telecommunication Specialist, Hardware Technologist, ICT Security Technologist, System Support Technologist, and Environmental ICT Technologist.

Eligibility criteria

A minimum of 3 "S" passes in GCE Advance Level (Local) in the Physical Science, Biological Science or Technology Stream; Engineering Technology/ Biosystems Technology, Science for Technology, and one subject from the elective list; (Economics, Geography, Home Economics, English Language, Accountancy, Communication and Media Study, Information and Communication Technology, Arts, Business Studies, Agriculture, Mathematics)

And

A "C" pass for English at the General Certificate of Education (Ordinary Level) examination (GCE O/L)

Or

A minimum "D" pass for (Mathematics/ Physics/ Biology) in any of the following examinations
General Certificate of Secondary Education (GCSE) (UK)
General certificate of Education Advanced Level Pearson Edexcel or Cambridge

And

Minimum "C" pass for English in G.C.E O/L Examination or any other equivalent foreign examination accepted by the senate.

Curriculum

First Semester

Information Technology Concepts
Fundamentals of Programming
Fundamental of Visual Computing
Mathematics
Fundamental of Electrical Engineering
Programming Laboratory
English Study Skills for ICT

Second Semester

Computer Architecture and Organization
Basics of Digital and Analog Electronics
Database Systems
Web Design and Development
Digital and Analog Laboratory
Presentation Skills for ICT
Calculus I
Principles of Management

Third Semester

Software Engineering
Object Oriented Programming
Data Communication and Networking
Data Structures and Algorithms
Human Computer Interaction
Writing and Speaking Skills
Calculus II

Fourth Semester

System Administration and Maintenance
Python Programming
Career Development Plan
Systems Analysis and Design
Graphic Designing and Animation
Open-Source Development
Skill Development Project (Group)
Research Writing Skills

Fifth Semester

Mobile Application Development
Information Security
Research Methodology & Statistics
Emerging Technologies in ICT
Group Project
Entrepreneurship & Small Business
Professional Ethics

Sixth Semester

Industrial Training

Seventh Semester

Internet of Things and Applications
Information Management Systems
ICT Project Management
Advanced Computer Networks
Game Development
Software Quality Engineering
Business & Industrial Law
Tamil basics for beginners
Sinhala basics for beginners

Eighth Semester

Digital Marketing
Cloud Computing
Data Analytics
Cyber Security
Environment Creation for Virtual Reality
Advanced Software Skills
Individual Project
Embedded System Development
IT for Environmental Engineering
IT for Agriculture Technology
IT for Health
Industrial Technology
Military Technolog







**GENERAL SIR JOHN KOTELAWALA
DEFENCE UNIVERSITY**

Welcome to the Faculty of Criminal Justice

Degree Programmes

Bachelor of Science in Police Science
Bachelor of Science in Criminology & Criminal Justice

The Faculty of Criminal Justice was established in January 2022 as the 11th Faculty of the KDU, with the primary objectives of creating a collaborative learning and research community of skillful graduates in the field of criminal justice and serving the needs of the nation and the global society at large.

These objectives also include the strengthening of the domestic Police Force of the country by way of equipping them with vital knowledge and skills to exercise the discourse of law enforcement and crime prevention and thereby upholding the fundamental guarantees enshrined in the Constitution of the country. In realizing the stated objectives, the Faculty of Criminal Justice currently conducts two degree programmes namely, BSc in Criminology & Criminal Justice and BSc in Police Science under two Departments; Department of Criminology and the Department of Police Science.

Bachelor of Science in Police Science

At a glance

Contact : Assistant Registrar

E-mail : arfoj@kdu.ac.lk

Tel : +94-71-0219479

Course fee structure

Item	Local Students	Foreign Students (USD) Per Annum	
		Category I*	Category II**
Tuition fee	Rs. 750,000.00	USD 2,000.00	USD 2,500.00
Registration fee			
4 years (initial registration)	-	-	-
Library fees	Rs. 2000.00	Rs. 2000.00	Rs. 2000.00
Refundable library deposit	Rs. 4000.00	Rs. 4000.00	Rs. 4000.00
Refundable mess deposit	-	-	-

* Category I – Foreign students from SAARC countries, People's Republic of China and Children of the expatriate community.

** Category II – Any other foreign student who does not belong to category I.

Introducing Bachelor of Science in Police Science

BSc in Police Science is a three-year Bachelor's degree programme (SLQF level 5) offered by the Department of Police Science of the Faculty of Criminal Justice. The successful undergraduates will obtain BSc in Police Science qualification. The medium of instruction of the degree programme is English. The course modules are taught by KDU academics, other University academics and professionals with a wealth of long-term experience in the relevant fields of study. The BSc in Police Science degree programme which is offered to police officers, military officers and officer cadets aims to enhance the professionalism of the undergraduates with the solemn objective of rendering a yeoman service to the nation.

Eligibility criteria

Degree eligibility requirements

Have obtained a minimum of three simple passes (S) at the GCE (A/L) examination in any stream at one and the same sitting.

Common eligibility requirement for all categories

- Eligibility to apply for university admission;
- Have obtained a Credit pass (C) pass or above for English language at the GCE (O/L) or (C) pass for Cambridge, Edexcel or any other equivalent foreign examination.
- Should pass the Common General Test at the GCE (A/L) examination (Minimum marks – 30).

- Should pass the aptitude test and interview conducted by KDU.

Serving military officers are to be in the equal rank of Major in the Sri Lanka Army and below.

Police officers are to be in the rank of Sub-inspector or above. Officer cadets need to meet the following additional criteria;

- Be a citizen of Sri Lanka
- Be not less than 18 years and not more than 22 years of age on the closing date of application.
- Be unmarried.

In addition, prospected all candidates must have,

- Completed G.C.E. (A/L), Cambridge or Edexcel (A/L) or other equivalent foreign examination and be qualified for university admission.

Candidates who have followed **Local GCE (A/L) examination** should have obtained;

- A minimum of Credit Pass (C) for Sinhala or Tamil language at GCE (O/L) examination.

- At least two-credit passes (C) and one simple pass (S) in the following list of subjects at one and the same sitting at the GCE (A/L) examination.

Candidates who have followed **Cambridge/ Edexcel or any other equivalent foreign examination** should have obtained

- A minimum of three Credit Passes (D) in the following list of subjects at one and the same sitting at the Cambridge or Edexcel (A/L) or any other equivalent foreign examination to be qualified for university admission.

List of Subjects

Out of the following list of subjects, candidates should have followed all the three subjects from list (a) or two subjects from list (a) and one subject from list (b).

List (a)

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

List (b)

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

Curriculum

First Year - Semester 1

Fundamentals of Policing and Police Governance
Fundamentals of Criminology
Introduction to Laws of Sri Lanka
Constitutional Law
Introduction to Information Technology
Personal and Professional Development I
Basic Study Skills English
Soft Skills for Law Enforcement Officers

First Year - Semester 2

Criminal Law- I
Human Resource Management
Criminal Procedural Law I
English for Academic Purposes I
Basic Tactics and Firearms Training
Gender Diversity and Gender Sensitivity Related Investigations

Second Year - Semester 1

Criminal Law II
Criminal Procedure II
Introduction to Social Psychology
Forensic Accountancy
Forensic Science and Forensic Medicine for Law Enforcement
Research Methodology
English for Academic Purposes II

Second Year - Semester 2

Civil Laws for Law Enforcement
Digital Forensics and Cybercrime Investigation
Disaster Management and Victim Identification
Law of Evidence
Community Oriented Policing
English for Academic Purposes III

Third Year - Semester 1

Human Rights and Policing
Administrative Law
Academic Writing
Advanced Criminology
Financial Crimes Investigation
Traffic Management and Road Safety
Crime Investigation Management

Third Year - Semester 2

Peace and Conflict Resolution
National Security and Intelligence
Applied Police Management
Public Order Management
Professional Ethics
Personal and Professional Development II
Research Project



Bachelor of Science in Criminology & Criminal Justice

At a glance

Contact : Assistant Registrar
E-mail : arfocj@kdu.ac.lk
Tel : +94-71-0219479

Course fee structure

Item	Local Students	Foreign Students (USD) Per Annum	
		Category I*	Category II**
Tuition fee	Rs. 1,000,000.00	USD 2,500.00	USD 3,000.00
Registration fee 4 years (initial registration)	-	-	-
Library fees	Rs. 2000.00	Rs. 2000.00	Rs. 2000.00
Refundable library deposit	Rs. 4000.00	Rs. 4000.00	Rs. 4000.00
Refundable mess deposit	-	-	-

* Category I – Foreign students from SAARC countries, People's Republic of China and Children of the expatriate community.

** Category II – Any other foreign student who does not belong to category I.

Introducing Bachelor of Science Criminology & Criminal Justice

Criminology and Criminal Justice is a new discipline included in the major study field of Humanities and Social Sciences. BSc in Criminology & Criminal Justice is a three-year Bachelor's degree programme (SLQF level 5) offered by the Department of Criminology of the Faculty of Criminal Justice. The BSc in Criminology and Criminal Justice degree programme is offered to police officers, military officers, officer cadets and day scholars. The successful undergraduates will obtain BSc in Criminology and Criminal Justice qualification. The medium of instruction of the degree programme is English. The course modules are taught by well qualified internal KDU academics, other University academics and professionals with a wealth of long-term experience and specialization in a variety of distinct sub-disciplines within the field of criminal justice.

Eligibility criteria

Degree eligibility requirements

Have obtained a minimum of three simple passes(S) at the GCE (AL) examination in any stream at one and the same sitting.

Common eligibility requirement for all categories

- Eligibility to apply for university admission;
- Have obtained a Credit pass (C) pass or above for English language at the GCE (O/L), (C) pass for Cambridge, Edexcel or any other equivalent foreign examination;

- Should pass the Common General Test at the GCE (A/L) examination (Minimum marks- 30).
- Should pass the aptitude test and interview conducted by the KDU.

Serving military officers are to be in the equal rank of Major in Sri Lanka Army and below.

Police officers are to be in the rank of Sub-inspector or above.

Officer cadets need to meet the following additional criteria;

- Be a citizen of Sri Lanka
- Be not less than 18 years and not more than 22 years of age on the closing date of application.
- Be unmarried.

In addition, prospected all candidates must have,

- Completed G.C.E. (A/L), Cambridge or Edexcel (A/L) or other equivalent foreign examination and be qualified for university admission.

Candidates who have followed **Local GCE (A/L) examination** should have obtained

- A minimum of Credit Pass (C) for Sinhala or Tamil language at GCE (O/L) examination.
- At least two-credit passes (C) and one simple pass (S) in the following list of subjects at one and the same sitting at the GCE (A/L) examination.

Candidates who have followed **Cambridge/ Edexcel or any other equivalent foreign examination** should have obtained

- A minimum of three Credit Passes (C) in the following list of subjects at one and the same sitting at the Cambridge or Edexcel (A/L) or any other equivalent foreign examination be qualified for university admission.

List of Subjects

Out of the following list of subjects, candidates should have followed all the three subjects from list (a) or two subjects from list (a) and one subject from list (b).

List (a)

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

List (b)

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

Curriculum

First Year - Semester 1

Fundamentals of Criminology
Introduction to the Criminal Justice System
Fundamentals of Law I
Policing and Police Administration
Criminal Law
Introduction to Information Technology
Basic Study Skills English

First Year - Semester 2

Advanced Criminology
Penology
Corrections
Criminal Procedure
Fundamentals of Law II
Professional Skills and Criminal Justice
English for Academic Purposes I

Second Year - Semester 1

Victimology
Gender Justice
Policing and Crime Prevention
Criminal Investigation I
Comparative Criminal Justice Systems
Professional Ethics and Criminal Justice
English for Academic Purposes II

Second Year - Semester 2

Security and Safety Management
Law of Evidence
Children and Justice
Conflict, Peace and Reconciliation
Criminal Investigation II (Ballistics & Explosives)
English for Academic Purposes III

Third Year - Semester 1

Medical science
Human Rights in Criminal Justice
Green Criminology
Research Methodology
Forensic Science Investigations
Cyber Criminology
International Politics & International Institutions

Third Year - Semester 2

Research Project
International Crime and Justice
Criminal and Forensic Psychology
Internship





How to apply

Day Scholars

- 1 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.
- 2 Should 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.
- 3 Should 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.
- 4 Should 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).
- 5 Should 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.
- 6 Should have obtained a pass mark for the Selection Test and for the Structured Interview conducted by the KDU.

Minimum Entry Requirements for Local Students

Officer Cadets

- 1 The candidate should be an unmarried citizen of Sri Lanka.
- 2 Should not be less than 18 years or more than 22 years of age on the closing date of applications.
- 3 Should 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.
- 4 Should have completed the GCE (A/L) Examination in the current year in one sitting to apply for MBBS degree programme.
- 5 Should have obtained a minimum of a Credit pass (C) for English Language at the G.C.E. (O/L) examination.
- 6 Should 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.
- 7 Should have obtained a pass mark for the Selection Test and for the Structured Interview conducted by the KDU.

Student Enlistment Procedure - Officer Cadets

Step 1 Publish Advertisment

The Advertisments calling for applications for Undergraduate Cadetship are published on KDU Website and Newspapers.

Step 2 Apply via Student Enlistment System

Prospective applicants fill in the relevant form in the student enlistment system available at www.kdu.ac.lk and submit the application form online by paying the application fee.

Step 3 Selection Interview

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)

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

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

Selected candidates will be sent to Military Hospitals for final medical test.

Step 5 Final Interview

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

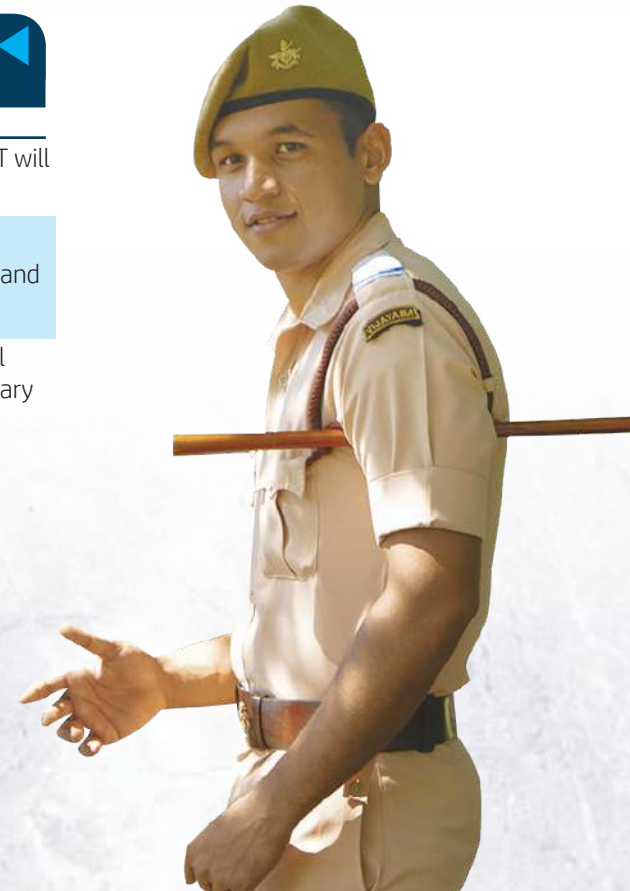
Step 8 Initial Military Training

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

Academic activities start for the new Intake



Student Enlistment Procedure - Day Scholars

Step 1 Publish Advertisment

The Advertisments calling for applications for Payment Basis Degree Programmes are published on KDU Website and Newspapers.

Step 2 Apply via Student Enlistment System

Prospective applicants fill in the relevant form in the student enlistment system available at www.kdu.ac.lk and submit the application form online by paying LKR 1000 as the application fee.

Step 3 Aptitude Test

Candidates whose A/L results are above the cutoff marks, which will be decided by the University will be called for an aptitude test.

The test consists of three papers (IQ & GK, English, Psychology).

Step 4 Selection Interview

Candidates who pass the three papers will be called for the interview. Having sports and extra curricular activities will be an added advantage.

Step 5 Registration

The candidates selected from the interview will be called for Registration.

At the registration, 50% of the course fee and other charges are required to be paid.

The Agreement as a Day Scholar of KDU needs to be signed.

Step 6 Leadership Programme

A leadership programme will be conducted to build up leadership qualities and to orientate the students to the University.

Step 7 Commencement of Academic activities

Academic activities Commence for the new Intake.



For Students with Foreign Qualifications

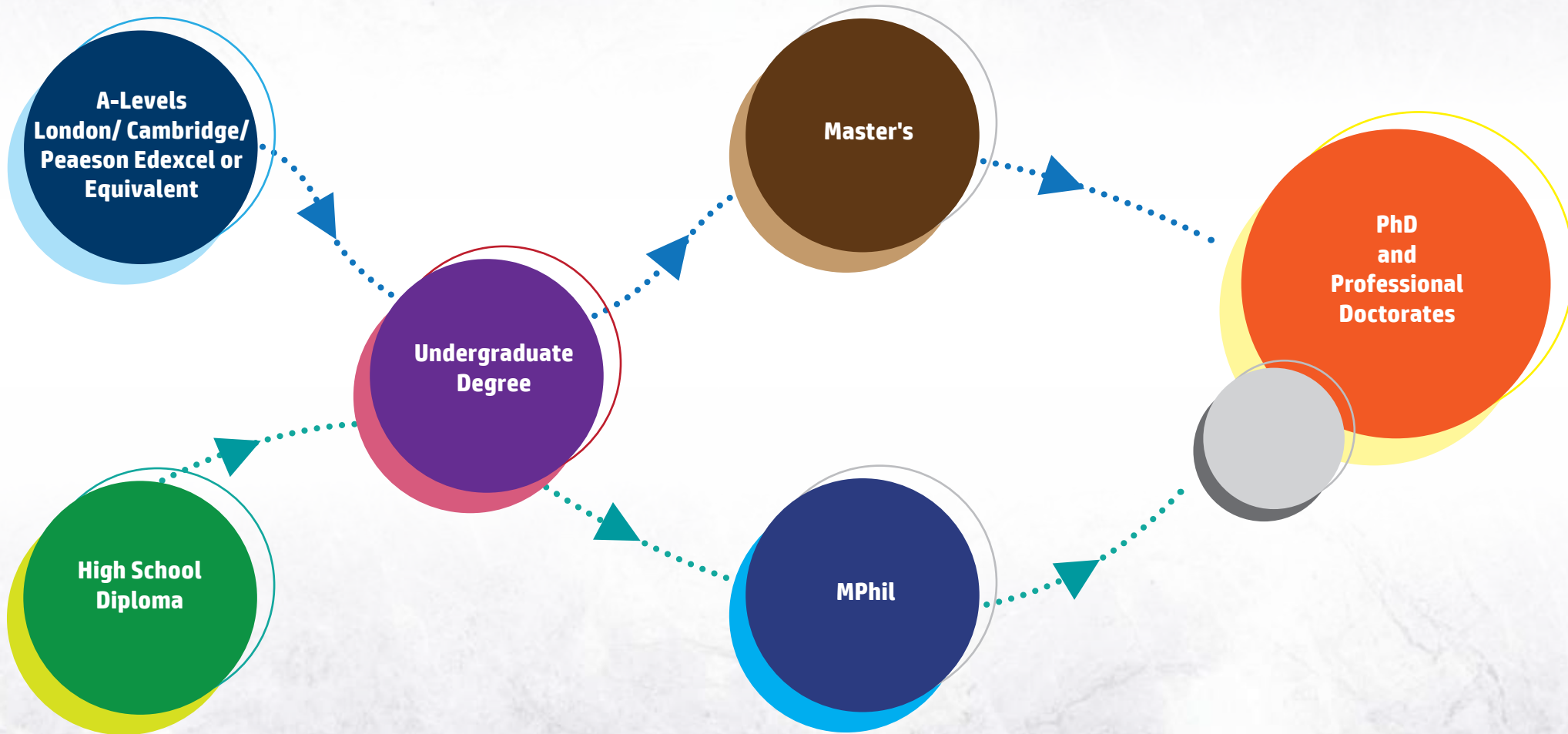
- Candidates with results at a foreign examination held outside Sri Lanka, deemed equivalent to GCE (Advanced Level) Examination of Sri Lanka or with qualifications required for admission to a university in an applicant's own country to follow an undergraduate course of study leading to a Bachelor's Degree can apply for KDU degree Programme.
- All required passes must have been obtained in one and the same sitting under a recognized Board of Examinations.
- Sri Lankan candidates should have studied abroad for a period of not less than three academic years immediately prior to sitting the qualifying 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 other 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 for degree programmes except the MBBS degree programme.
- Age limit for MBBS degree programme is 17 - 25 years of age by the closing date of applications. Candidates who have completed another related degree qualification are eligible to apply for the MBBS degree programme if the age is not more than 27 years at the closing date of applications.



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.



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

Step 1	Publish Advertisment	Step 2	Forward the application online	Step 3	Selection	Step 4	Medical Test	Step 5	Registration	Step 6	Leadership Programme	Step 7	Commencement of Academic activities
	The Advertisement calling for applications for payment basis degree programmes for students with foreign qualifications is published on KDU Website.		Visit www.kdu.ac.lk website and complete online application.		Candidates who fulfill the minimum requirements to study in a respective degree programme will be shortlisted by the University.		It is mandatory for candidates to undergo a medical test specified by the university, obtain a medical insurance and submit the original documents when arriving at KDU upon selection.		The selected candidates will be called for Registration. At the registration, the 1 st installment of the course fee and other charges are required to be paid. The Agreement as a foreign Day Scholar of KDU needs to be signed.		A leadership programme will be conducted for 10 days to build up leadership qualities and to orientate the students to the University		Academic activities start for the new Intake.

Documents to be submitted by students with Foreign qualifications

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 relavant institution. Verification available at UK ENIC (<https://www.enic.org.uk/>)

Course Fees - Local

Field of Study	Course Fee
Sri Lankan Rupees	
Bachelor of Science in Engineering (Hons)	2,500,000
Bachelor of Science (Hons) in Aircraft Maintenance	2,800,000
Bachelor of Science in Aircraft Maintenance (Top-up Programme)	1,200,000
Bachelor of Laws (LLB)	2,000,000
Bachelor of Science in Management and Technical Sciences	1,200,000
Bachelor of Science in Logistics Management	1,300,000
Bachelor of Science in Social Sciences	1,200,000
Bachelor of Science in Strategic Studies & International Relations	1,100,000
Bachelor of Science (Hons) in Nursing	1,600,000
Bachelor of Science (Hons) in Physiotherapy	1,700,000
Bachelor of Science (Hons) in Medical Laboratory Sciences	1,700,000
Bachelor of Science (Hons) in Radiography	1,600,000
Bachelor of Science (Hons) in Radiotherapy	1,600,000
Bachelor of Pharmacy (Hons)	1,700,000
Bachelor of Science (Hons) in Computer Science	1,600,000
Bachelor of Science (Hons) in Software Engineering	1,600,000
Bachelor of Science (Hons) in Computer Engineering	2,000,000
Bachelor of Science (Hons) in Information Systems	1,000,000
Bachelor of Science (Hons) in Information Technology	1,000,000
Bachelor of Architecture (B Arch)	1,900,000
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	1,400,000
Bachelor of Science (Hons) in Quantity Surveying	1,500,000
BA in Teaching English for Speakers of Other Languages	1,300,000

Field of Study	Course Fee
Sri Lankan Rupees	
Bachelor of Science in Applied Data Science Communication	1,200,000
Bachelor of Science (Hons) in Data Science and Business Analytics	1,500,000
Bachelor of Science (Hons) in Industrial & Service Quality Management	1,200,000
Bachelor of Science in Management	1,200,000
Bachelor of Engineering Technology (Hons) in Construction Technology	1,200,000
Bachelor of Engineering Technology (Hons) in Building Services Technology	1,200,000
Bachelor of Technology (Hons) in Information and Communication Technology	1,000,000
Bachelor of Science in Police Science	750,000
Bachelor of Science in Criminology & Criminal Justice	1,200,000

Further details
could be found
at

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

Assistant Registrar Enlistment
E-mail : 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	
	Category I*	Category II**
Bachelor of Strategic Studies and International Relations	2,250	2,750
Bachelor of Medicine and Bachelor of Surgery (MBBS)	12,500	12,500
Bachelor of Science in Engineering (Hons)	4,750	5,250
Bachelor of Science in Engineering in Aeronautical Engineering (Hons)***	4,750	5,250
Bachelor of Laws (LLB)	2,750	3,250
Bachelor of Science in Management and Technical Sciences	2,750	3,250
Bachelor of Science in Logistics Management	2,750	3,250
Bachelor of Science in Social Sciences	2,250	2,750
Bachelor of Science (Hons) in International Business Economics	3,700	4,200
Bachelor of Science in Applied Data Science Communication	2,750	3,250
BA in Teaching English for Speakers of Other Languages (TESOL)	2,750	3,250
Bachelor of Science in Management	2,750	3,250
Bachelor of Science (Hons) in Business Analytics	3,700	4,200
Bachelor of Science (Hons) in Financial Analytics	3,700	4,200
Bachelor of Science (Hons) in Medical Laboratory Sciences	2,750	3,250
Bachelor of Pharmacy (Hons)	2,250	2,750
Bachelor of Science (Hons) in Physiotherapy	2,750	3,250
Bachelor of Science (Hons) in Radiography	2,250	2,750
Bachelor of Science (Hons) in Radiotherapy	2,250	2,750
Bachelor of Science (Hons) in Nursing	2,250	2,750
Bachelor of Architecture (B Arch)	4,250	4,750
Bachelor of Science in Built Environment	3,250	3,750
Bachelor of Science (Hons) in Surveying Sciences	3,750	4,250
Bachelor of Science (Hons) in Quantity Surveying	3,250	3,750
Bachelor of Science (Hons) in Industrial & Service Quality Management	3,250	3,750

Field of Study	Course Fee	
	USD per Annum	
	Category I*	Category II*
Bachelor of Science (Hons) in Property & Investment Management	3,250	3,750
Bachelor of Science (Hons) in Geoinformatics	3,250	3,750
Bachelor of Science (Hons) in Computer Science	3,250	3,750
Bachelor of Science (Hons) in Software Engineering	3,750	4,250
Bachelor of Science (Hons) in Computer Engineering	3,750	4,250
Bachelor of Science (Hons) in Data Science and Business Analytics	3,250	3,750
Bachelor of Science (Hons) in Information Technology	2,250	2,750
Bachelor of Science (Hons) in Information Systems	2,250	2,750
Bachelor of Engineering Technology in Construction Technology	2,000	2,500
Bachelor of Engineering Technology in Biomedical Instrumentation Technology	2,000	2,500
Bachelor of Biosystems Technology in Applied Biotechnology	2,000	2,500
Bachelor of Technology in Information and Communication Technology	1,500	2,000
Bachelor of Engineering Technology in Building Services Technology	2,000	2,500
Bachelor of Science in Criminology and Criminal Justice	2,500	3,000

Notes:

* Category I - Foreign students from SAARC countries and the People's Republic of China and Children of expatriate community.

** Category II - Any other foreign student who does not belong to category I.

*** Onetime payment equivalent to Rs. 100,000/- in USD at the time of payment.

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
E-mail : admission@kdu.ac.lk

Assistant Registrar Enlistment - E-mail : arenlist@kdu.ac.lk

Fax : (+94) 11 260 5523

Mobile : (+94) 71 021 9368

Affiliated Institutions



Defence Services Command and Staff College (DSCSC)

Defence Services Command and Staff College, Sapugaskanda 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 1st 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 (CBCEI), Bangalore, India



Maldives National Defence Force



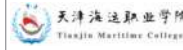
Massey University, New Zealand



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



University Putra, Malaysia



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



Yaroslav Mudryi National Law University, Ukraine



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 Sultanate of Oman & Commander of the Navy



University of York



La Jolla Institute, USA



Kristianstad University, Sweden



Duke University, USA



University of Otago, New Zealand



Eurasia Foundation, Japan



ERASMUS +



HUAWEI



COMSATS University Islamabad, Pakistan



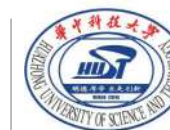
Cranfield University, UK



British Computer Society



Defence University of Indonesia



Huazhong University of Science and Technology, China



Sikkim University, Gangtok, India



J.F. Oberlin University, Japan



Ufa State Aviation Technical Institute



University of Calgary, Canada



School of Architecture, Tianjin University, China



Chungnam National University, South Korea



Transilvania University, Brasov



Turkish Aerospace Industries (INC)



Riga Technical University, Latvia



Western Sydney University, Australia

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