BMS CAMPUS
make learning happen

Northumbria University
NEWCASTLE

Faculty of Life and Medical Sciences

Undergraduate Prospectus

Great Learning
Great Expereance
Great Futuer

BSc (Hons)
Biomedical Science

BSc (Hons)
Biotechnology

BSc (Hons)
Food Science and Nutrition
(Clinical Nutrition)

BSc (Hons)
Medical Biotechnology

BSc (Hons)
Biomedical Science

The program covers essential topics such as Molecular Cell Interactions, where students explore the molecular basis of biological processes, and Advanced Analytical Techniques, which provide hands-on experience with state-of-the-art equipment used in research. Students will also study Pathology in Practice, in which they will examine and assess the clinical symptoms and test results and data presented as a case study. As elective modules, students have the opportunity to choose between Genomics, a module that focuses on the analysis of genetic data to understand diseases and Drug Design and Development, a module which gives insights into the processes involved in creating new medical treatments.

The curriculum is designed to give students practical experience through laboratory work and a Research Project, which allows them to investigate cutting-edge topics in biomedical science and gain valuable research experience.

Subjects covered in the programme are broadly similar to the pre-clinical components of a medical degree. Graduates of the program will be well-prepared for diverse careers in biomedical science, including roles in clinical research, diagnostics, pharmaceuticals, and healthcare.

Programme Structure

Code	Module	Credits
AP0606	Research Project	40
AP0607	Molecular Cell Interaction	20
AP0608	Pathology in Practice	20
AP0609	Advanced Analytical Techniques	20
AP0610	Genomics*	20
AP0611	Drug Design and Development*	20

(*Optional Modules)

Internal British Degree @ BMS

I am pleased to pursue doctoral studies in Forensic Science at Northumbria University, Newcastle, UK. BMS facilitated the Bachelor's which is an internal degree from Northumbria. This means that your degree will be exactly the same whether you complete at BMS, Sri Lanka or Northumbria, UK.

Shara Ahamed
Northumbria University, UK

BSc (Hons)
Biotechnology

The program covers essential topics such as Molecular Cell Interactions, where students explore the molecular basis of biological processes, and Advanced Analytical Techniques, which provide hands-on experience with state-of-the-art equipment used in research. Students will also study Impact of Science on Society, in which they get the opportunity to explore the changing ELSI (Ethical, Legal and Social Issues) implications of bioscience research and the subsequent impact within modern society and Applied Bioinformatics and Post Genomics, focusing on the analysis of genetic data to understand diseases and develop personalized medicine.

The curriculum is designed to give students practical experience through laboratory work and a Research Project, which allows them to investigate cutting-edge topics in biotechnology and gain valuable research experience.

Graduates of the programme will be well-prepared for careers in biotechnology, particularly in the fields of healthcare and medicine, environmental management, food industry, and agriculture. Opportunities include roles in biopharmaceuticals, genetic engineering, diagnostics, and research and development.

Programme Structure

Code	Module	Credits
AP0606	Research Project	40
AP0607	Molecular Cell Interaction	20
AP0609	Advanced Analytical Techniques	20
AP0614	Applied Bioinformatics and Post Genomics	20
AP0612	The Impact of Science on Society	20

My learning journey to USA

BMS created a highly dynamic environment that provided a strong academic background. It was a exciting experience. BMS gave me immense support and guidance throughout my learning journey. Currently, I am pursuing my PhD in Biomedical Sciences specialising in Cancer Biology at Creighton University School of Medicine, USA.

Samadhi Kulasooriya
Creighton University USA

BSc (Hons)
Food Science and Nutrition
(Clinical Nutrition)

Throughout the programme, students will explore the chemical, biological, and physical properties of food and the role of nutrition in human health and disease prevention. The curriculum includes specialised modules such as Product development and Sensory Analysis where students will gain theoretical and practical knowledge in food marketing and innovation in the food industry and Food Policy and Issues, exploring current food policies, focusing on how they are developed and their impact on various populations. Students will also study Investigative Sports and Exercise Nutrition which focuses on the principles and applications of nutritional interventions to improve sport and exercise performance, as well as Clinical Nutrition in which the students will develop skills in nutritional assessment and dietary planning within a clinical context.

The curriculum is designed to give students practical experience through laboratory work and a Research Project, which allows them to investigate cutting-edge topics in food science, nutrition and clinical nutrition.

Graduates of the program will be well-prepared for careers in product development, food safety and quality assurance, nutrition research, public health nutrition, and regulatory affairs. The program also provides a strong foundation for those interested in pursuing advanced studies or research in areas such as functional foods, nutraceuticals, diet and disease, or related disciplines within the health and life sciences.

Programme Structure

Code	Module	Credits
AP0616	Research Project	40
AP0617	Product Development and Sensory Analysis	20
AP0618	Food and Nutrition - Policy and Issues	20
AP0622	Investigative Sport and Exercise Nutrition	20
AP0640	Clinical Nutrition	20

TNA Journey to Global Career

My Bachelors at BMS Campus with TNE partnership of Northumbria laid the foundation to progress for Master's in the UK and a career as a Research Assistant in Department of Veterinary Medicine of University of Cambridge.

Heshan Piyasena
Research Assistant at University of Cambridge,

BSc (Hons)
Medical Biotechnology

The BSc (Hons) in Medical Biotechnology offers an exciting and comprehensive education in the rapidly advancing field of biotechnology, focusing on its application in medicine and healthcare. This degree combines scientific knowledge with practical skills, equipping students to address key challenges in medical research, drug development, and healthcare innovations.

The program covers essential topics such as Molecular Cell Interactions, where students explore the molecular basis of biological processes, and Advanced Analytical Techniques, which provide hands-on experience with state-of-the-art equipment used in biotechnology research. Students will also study Drug Design and Development, gaining insights into the processes involved in creating new medical treatments, and Applied Bioinformatics and Post Genomics, focusing on the analysis of genetic data to understand diseases and develop personalized medicine.

Graduates of the program will be well-equipped for careers in biotechnology, pharmaceuticals, healthcare, or research and development. The program also provides a strong foundation for those wishing to pursue further study or research in related fields such as molecular biology, bioinformatics, or biomedical science.

The curriculum is designed to give students practical experience through laboratory work and a Research Project, which allows them to investigate cutting-edge topics in medical biotechnology and gain valuable research experience.

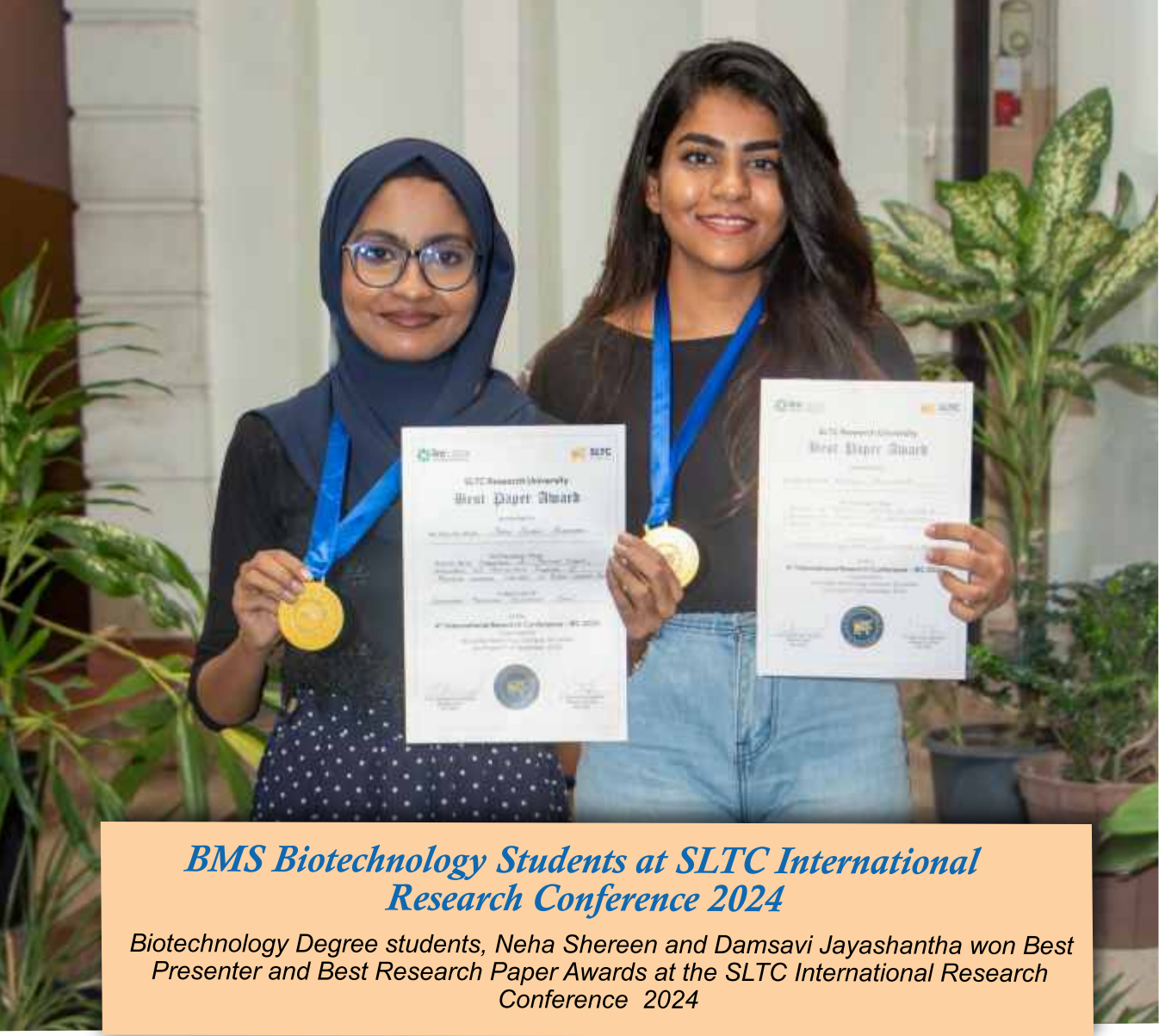
Programme Structure

Code	Module	Credits
AP0616	Molecular Cell Interactions	20
AP0617	Advanced Analytical Techniques	20
AP0618	Drug Design and Development	20
AP0622	Applied Bioinformatics and Post Genomics	20
AP0640	Research Project	40

Science with Arctic attitude

Excited to be a student of a top global university in Finland for Master Degree - MSc Biotechnology It was possible from my Bachelor's and BMS and thank you all at BMS for helping me to reach Science with Arctic attitude

Laknee De Silva
BSc (Hons), UK / MSc (Finland) Reading



BMS Biotechnology Students at SLTC International Research Conference 2024

Biotechnology Degree students, Neha Shereen and Damsavi Jayashantha won Best Presenter and Best Research Paper Awards at the SLTC International Research Conference 2024

Programme Information

Teaching and Learning

- Duration: **12 months**
- Mode: **Full time**
- Lectures: **Monday & Saturdays**
- Award by: **Northumbria University**

Entry requirements

- Higher Diploma in Biomedical Science
- Higher Diploma Biotechnology
- Higher Diploma Medical Biotechnology
- Higher Diploma Food Science and Nutrition

The journey of BMS Campus with a humble beginning has evolved into an institution of academic excellence, fostering innovation, creating and shaping the future of next generation leaders. BMS vision of transforming lives and influencing the future is the guiding force behind the success. One of the hallmarks of the BMS Campus has been its commitment to academic rigour, relevance and learning practices to meet changing needs of the students, industry and society.

BMS Campus is a Degree Awarding Institute, recognised by the Ministry of Education in terms of the Universities Act 1978 of Sri Lanka. BMS Campus is a member of the Association of Commonwealth Universities.

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SAPS Award 2022
Academic & Industry Interface

Royal Society of Biology

W: **www.bms.ac.lk**