



### CONTACT DETAILS

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**University of Venda**

*Creating Future Leaders*



**FACULTY OF  
SCIENCE, ENGINEERING  
AND AGRICULTURE**

Department of Food Science & Technology



## DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

The University of Venda is the African university of the future. At UNIVEN, you have a multitude of choices to ensure that you follow the correct academic path according to your capabilities and aptitudes, and we will assist you in making the correct one. The university offers degrees, diplomas, and postgraduate levels that are responsive to the job market in South Africa and globally.

Food Science studies the physical, biological, and chemical properties of food, deterioration causes, and processing principles. Food Technology applies this knowledge to safely select, preserve, process, package, and distribute food. Both fields rely on chemistry, biotechnology, engineering, nutrition, and microbiology to enhance food safety, quality, and accessibility.

Food processing transforms raw ingredients into shelf-stable, edible products using chemical, biological, and mechanical methods. Food Science & Technology (FST) ensures compliance with regulations, develops new products, and improves flavors and varieties. It also oversees quality assurance, safety testing, and standardisation. Additionally, FST provides education and training for students in food-related disciplines.

## WHAT ARE THE OPPORTUNITIES FOR FOOD SCIENCE AND TECHNOLOGY?

R&D & Biotechnology, Quality Assurance & Food Safety, Food Processing & Manufacturing, Regulatory & Nutrition, Supply Chain & Packaging, Sensory & Consumer Science, Industrial Hygiene & Sustainability, Public Health, Consulting & Academia, Management & Startups.



### VISION

To prepare students for the extended BSc degree and fulfil the mission of the University.

### MISSION

The Department of Science Foundation is committed to assisting students coming into the extended programme to be well prepared for the mainstream degrees by offering high-quality programmes with experts in Science and English modules. The department strives to contribute to the advancement of skills and endeavours to pursue and create opportunities for excellence in learning opportunities.



## QUALIFICATION OFFERED BY THE DEPARTMENT OF SCIENCE FOUNDATION

The following streams are available within the extended BSc degree:

- Extended BSc (BIOCHEMISTRY AND MICROBIOLOGY)
- Extended BSc (BIOCHEMISTRY AND BIOLOGY)
- Extended BSc (MICROBIOLOGY AND BOTANY)
- Extended BSc (MATHEMATICS AND APPLIED MATHEMATICS)
- Extended BSc (MATHEMATICS AND PHYSICS)
- Extended BSc (MATHEMATICS AND STATISTICS)
- Extended BSc (PHYSICS AND CHEMISTRY)
- Extended BSc (CHEMISTRY AND MATHEMATICS)
- Extended BSc (CHEMISTRY AND BIOCHEMISTRY)
- Extended BSc (CHEMISTRY AND APPLIED CHEMISTRY)
- Extended BSc (BOTANY AND ZOOLOGY)
- Extended BSc (COMPUTER SCIENCE)
- Extended BSc (COMPUTER SCIENCE AND MATHEMATICS)

## MODULES OFFERED IN THE EXTENDED BSC DEGREE

- FGS1140 & FGS1240: Foundation English & Study Skills
- FIT1140 & FIT1240: Foundation Information Technology
- FMT1140 & FMT1240: Foundation Mathematics
- FPH1140 & FPH1240: Foundation Physics
- FCH1140 & FCH1240: Foundation Chemistry
- FBI1140 & FBI1240: Foundation Biology

