STADIO
HIGHER EDUCATION

# BACHELOR OF BUSINESS INFORMATION SYSTEMS

NQF 7 | MIN. 390 CREDITS | SAQA ID: 119542 | MIN. 3 YEARS

## STADIO FLEX CAMPUS: RUSTENBURG



## DESCRIPTION

An effective information system (IS) must be designed, developed and implemented in such a way as to support the strategic goals of the organisation within which it will be used, while at the same time providing security, maintainability and ease of use. The Bachelor of Business Information Systems programme is designed to equip graduates with the skills necessary to function as a (junior) business analyst, software developer or tester, database manager, or IT risk manager. During the programme students will be expected to apply analytical and logical thinking skills in order to identify and analyse business problems, document business processes, develop creative solutions, manage data and information, and communicate effectively with team members and project stakeholders. They will also gain limited experience in the fields of project management, database management,
risk management and network security. A research project accompanied by a related practical systems development project will be undertaken in the final year of the programme, providing students with valuable
real-world experience. Throughout the programme, attention will be drawn to legal and ethical issues related to
the societal impact of computer technologies.

• In the first year of the programme, students learn basic concepts related to the functioning of hardware,
software and networks; gain practical experience in computer programming and database structures; and are exposed to different software development approaches. This technology-focused content is supplemented by modules on information security, business management and accounting, to ensure that students have a good understanding of typical business contexts within which an information system might be implemented.

• In the second year of the programme, students gain experience in web programming and are introduced to the discipline of business analysis. Business analysis principles are then put into practice in related modules that focus on systems analysis and design (using object-oriented techniques) as well as IS project management. Modules in statistics and business law provide students with relevant business knowledge; while case-study based projects help to develop students' analytic and writing skills.

• In the third year of the programme, students undertake a technology-focused research project and a related
'real-world' practical systems development project. They also complete modules on interaction design, e-commerce, business process management, IT governance, risk management and disaster recovery, business intelligence, emerging technologies, and technology start-ups. This final year of the programme provides rich exposure to advanced technologies and key business issues and equips entrepreneurial students to take the first steps towards opening their own businesses. The research report, systems development documentation and module assignments will further develop students' technical writing and presentation abilities.

Students who successfully complete the Bachelor of Business Information Systems programme will demonstrate competence in both theoretical knowledge and practical application, through a combination of case studies and practical software development projects. The qualification will prepare students to embark on a journey towards becoming specialists or leaders in their field, with the expertise needed to ensure that the information systems function is fully integrated into the organisation, and that IS projects are appropriately aligned with the organisation's operational and strategic goals.

SCHOOL OF INFORMATION TECHNOLOGY

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## ADMISSION REQUIREMENTS

- National Senior Certificate (NSC) with degree endorsement with a minimum of 50% in four 20-credit subjects from the designated list, and a minimum of 40% in either English Home Language or English First Additional Language; and a minimum of at least 50% for either Mathematics or Information Technology, or a minimum of at least 70% for either Mathematical Literacy or Computer Applications Technology; **OR**
- A Senior Certificate (SC) with degree endorsement and a minimum of 40% in either English First Language (HG) or English Second Language (HG); and a minimum of at least 50% for either Mathematics (HG) or Computer Studies (HG), or a minimum of at least 70% for either Mathematics (SG) or Computer Studies (SG); **OR**
- A cognate Higher Certificate (NQF Level 5), Advanced Certificate (NQF Level 6), or Diploma (NQF Level 6); **OR**
- A non-cognate Higher Certificate (NQF Level 5), Advanced Certificate (NQF Level 6), or Diploma (NQF Level 6), together with either:
  - a minimum of 40% in English Home Language or English First Additional Language, and a minimum of 50% in Mathematics/Information Technology, or 70% in Mathematical Literacy/Computer Applications Technology at NSC level; or
  - evidence of equivalent proficiency in English and Mathematics/IT achieved in the non-cognate programme.

*Applicants who do not meet the admission requirement for Mathematics, Maths Literacy, IT, or CAT will be conditionally admitted and must pass Induction to Business Studies (IBS152) in their first semester.*



Scan to learn more:

OTHER ACCESS PATHWAYS



Scan to learn more:

MATURE AGE EXEMPTION

### MINIMUM SYSTEM REQUIREMENTS

- Reliable broadband Internet Access (Wi-Fi available at all our campuses, but you may prefer access from home as well)
- Microsoft Edge/Firefox/Internet Explorer/Chrome web browser
- Microsoft Word
- PDF Viewer
- Ability to scan and upload documents
- Email/cellphone for notification and communication

## ARTICULATION POSSIBILITIES

Students who have completed credits at another higher education institution may apply for the transfer of those credits in line with STADIO's CAT Policy. The recognition of credits for the purpose of transfer from one qualification to another is determined by the nature of the qualifications, the relationship between them, the nature, complexity, and extent of the curricula associated with the specific subjects to be recognised for credit and the nature of the assessment used. A maximum of 50% of credits of a completed qualification may be transferred via CAT, while all credits from an incomplete qualification may be transferred, provided that no more than 50% of the credits on the receiving qualification are awarded via CAT.at NQF level 8 (third year) or an Honours degree in Humanities at NQF level 8.

## CAREER OPPORTUNITIES

| | |
|---|---|
| BUSINESS ANALYST | SOFTWARE TEAM LEADER |
| DATABASE ADMINISTRATOR | SYSTEMS ANALYST |
| DATA SCIENTIST | WEB DEVELOPER |
| SOFTWARE DEVELOPER | |

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# CURRICULUM OUTLINE

| YEAR | 1st YEAR | 2nd YEAR | 3rd YEAR |
|---|---|---|---|
| Compulsory Module | | | Information Systems Development Project<br>ISDP371 (30 credits)<br><br>*** Information Systems Project Management (ISPM262)* |
| **SEMESTER 1** | **1st YEAR** | **2nd YEAR** | **3rd YEAR** |
| Compulsory Modules (All) | Accounting 1<br>ACC152 (20 credits) | Information Systems Project Management<br>ISPM262 (20 credits)<br><br>* *Introduction to Business Analysis and Technical Communication (BATC262)* | Electronic Commerce and Technology Startups<br>ECTS372 (20 credits)<br><br>** *Business and Compliance Law (LAW162)* |
| | Computational Thinking and Introduction to Programming<br>CTIP152 (20 credits) | Introduction to Business Analysis and Technical Communication<br>BATC262 (20 credits)<br><br>** *Introduction to Business Management (MAN152)* | Human-Centric Design and Business Intelligence<br>HCBI372 (20 credits) |
| | Introduction to Business Management<br>MAN152 (20 credits) | Web Systems and Technologies<br>WST262 (20 credits)<br><br>** *Object Oriented Programming (OOP152)* | Introduction to Research<br>RES372 (15 credits) |
| | Induction to Business Studies<br>IBS152 (10 credits) | | |
| **SEMESTER 2** | **1st YEAR** | **2nd YEAR** | **3rd YEAR** |
| Compulsory Modules (All) | Fundamentals of Information Technology<br>FIT152 (10 credits) | Business Law and Compliance<br>LAW162 (20 credits) | Business Process and Technology Integration<br>BPTI372 (20 credits)<br><br>** *Introduction to Business Management (MAN152)* |
| | Introduction to Databases<br>IDB152 (10 credits) | Data and Decision-Making<br>DDM162 (10 credits)<br><br>* *Statistics (STA162)* | IT Governance, Risk and Continuity<br>GRC372 (20 credits)<br><br>** *Business and Compliance Law (LAW162)* |
| | Information Security for IS Practitioners<br>ISP152 (10 credits) | Object-Oriented Analysis<br>OOA262 (10 credits)<br><br>** *Object-Oriented Programming (OOP152) & Introduction to Databases (IDB152)* | |
| | Object-Oriented Programming<br>OOP152 (15 credits)<br><br>** *Computational Thinking and Introduction to Programming (CTIP152)* | Object-Oriented Design<br>OOD262 (20 credits)<br><br>* *Object-Oriented Analysis (OOA262)*<br><br>** *Object-Oriented Programming (OOP152) & Introduction to Databases (IDB152)* | |
| | Software Engineering<br>SEN152 (10 credits)<br><br>* *Fundamentals of Information Technology (FIT152)* | Statistics<br>STA162 (10 credits)<br><br>* *Data and Decision-Making (DDM162)* | |
| | Technology and Society<br>TAS152 (10 credits) | | |
| **CREDITS PER YEAR** | 135 | 130 | 125 |

* Corequisite modules must be taken concurrently with another partner module.

** Prerequisite modules must be successfully completed before enrolling in a higher-level or more advanced module.

## WHAT IS STADIO FLEX?

STADIO Flex offers students a supported distance learning experience that combines the flexibility of distance learning with structured group classes and seminars that provide a guided learning experience and reduce the isolation of distance learning. As a STADIO Flex student, you meet and connect with other students, benefit from a fully equipped information and resource centre, have readily available connectivity via campus Wi-Fi that supports seamless study progression, and have ongoing access to individual, personalised support from full-time academics and student support staff on campus.

**YOUR LEARNING JOURNEY**

When you enrol, in addition to receiving your study material and student support resources online and a printed copy of the study guide (optional), STADIO Flex (SF) students will receive a timetable of group classes and seminars spread across 8 weeks per semester. Students are invited to attend two one-hour group classes per week for each of their registered modules. These engagement sessions guide students through the module content using practical examples and case studies, ensuring that the application of learning is prioritised. Seminars presented by experienced guest lecturers and industry experts are a regular feature of SF, increasing learning impact, networking opportunities, and promoting workplace readiness. In addition, at the start and throughout the first semester, students attend planned orientation and student support sessions to help them successfully transition into and through higher education.

The timetable is purposefully structured to ensure students have an engaged and productive campus experience, while also acknowledging that, as distance learners, they may need time for other commitments.

All in-venue assessments (at the end of the semester) are scheduled on campus, and students have the advantage of sitting for their supplementary exam before the commencement of the next semester, to facilitate academic progression.

Critically, STADIO entrenches programme parity and quality irrespective of mode of learning – whether you enrol for contact learning, distance learning at the Musgrave or Krugersdorp campus, or SF in Rustenburg, the curriculum and learning outcomes for the same programme will always be equal. What differs is how teaching and learning is presented and supported. STADIO Flex students can therefore focus on their studies, knowing they are receiving a quality education that reflects the overall excellence of the STADIO brand.

Upon enrolment, you will be integrated into the exciting buddy programme. Students are partnered with an academic staff member who serves as a personal point of contact throughout their studies to help navigate challenges and provide important support.

**Why Choose STADIO Flex?** You will benefit from:

- Affordable, flexible distance learning that purposefully integrates supported teaching and learning to promote student success.
- Regular, scheduled face-to-face group classes presented by academic experts, and seminars presented by industry specialists.
- Personalised guidance through the Buddy Programme.
- Consistent academic quality across all Campuses.
- Personal connection with lecturers, staff and fellow students.
- A structured study pathway designed to keep you motivated and on track.
- Convenient access to in-venue assessments and supplementary examinations.
- Access to learning resources, Wi-Fi on campus, and planned campus events and activities.

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