# STADIO
## HIGHER EDUCATION

# BACHELOR OF BUSINESS INFORMATION SYSTEMS
**NQF 7 | MIN. 390 CREDITS | SAQA ID: 119542 | MIN. 3 YEARS**
**MODE OF DELIVERY: CONTACT LEARNING**

| CAMPUSES | | |
|---|---|---|
| CENTURION (PRETORIA) | DURBANVILLE (CAPE TOWN) | MUSGRAVE (DURBAN) |

## 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**

# 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 Higher Certificate (NQF 5) in Software Development, or an equivalent qualification.

*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**
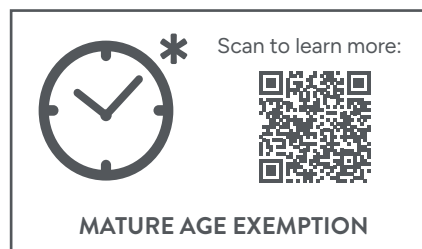
## MINIMUM SYSTEM REQUIREMENTS

- 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 | |

STADIO is registered with the Department Of Higher Education and Training as a private higher education institution under the Higher Education Act, 1997. Registration Number 2008/HE07/004.
DISCLAIMER: The content of this brochure is accurate at the time of publication. STADIO reserves the right to change the programme content due to changes in legislation, as well as for market requirements and other reasons. Notice of such changes will be published on our website.

20/05/25
Page 2 of 3

# CURRICULUM OUTLINE

| YEAR | 1st YEAR | 2nd YEAR | 3rd YEAR |
|---|---|---|---|
| Compulsory Modules | | | Information Systems Development Project ISDP371 (30 credits) <br><br> ** Information Systems Project Management (ISPM262) |

| SEMESTER 1 | 1st YEAR | 2nd YEAR | 3rd YEAR |
|---|---|---|---|
| Compulsory Modules | Accounting 1 ACC152 (20 credits) | Information Systems Project Management ISPM262 (20 credits) <br><br> * Introduction to Business Analysis and Technical Communication (BATC262) | Business Process Management BPM372 (10 credits) |
| | Computational Thinking and Introduction to Programming CTIP152 (20 credits) | Introduction to Business Analysis and Technical Communication BATC262 (20 credits) <br><br> ** Introduction to Business Management (MAN152) | Electronic Commerce ECO372 (10 credits) <br><br> ** Information Security for IS Practitioners (ISP152) & Business Law and Compliance (LAW162) |
| | Introduction to Business Management MAN152 (20 credits) | Web Systems and Technologies WST262 (20 credits) <br><br> ** Object Oriented Programming (OOP152) | Human-Centric Design HCD372 (10 credits) <br><br> ** Object Oriented Design (OOD262) |
| | Induction to Business Studies IBS152 (10 credits) | | Risk Management and Disaster Recovery RMDR372 (10 credits) <br><br> * IT Governance (ITG372) |

| SEMESTER 2 | 1st YEAR | 2nd YEAR | 3rd YEAR |
|---|---|---|---|
| Compulsory Modules | Fundamentals of Information Technology FIT152 (10 credits) | Business Law and Compliance LAW162 (20 credits) | Business Intelligence BIN372 (10 credits) |
| | Introduction to Databases IDB152 (10 credits) | Data and Decision-making DDM162 (10 credits) <br><br> * Statistics (STA162) | Emerging Technologies EMT372 (10 credits) |
| | Information Security for IS Practitioners ISP152 (10 credits) | Object Oriented Analysis OOA262 (10 credits) <br><br> ** Object Oriented Programming (OOP152) & Introduction to Databases (IDB152) | Introduction to Research RES372 (15 credits) |
| | Object Oriented Programming OOP152 (15 credits) <br><br> ** Computational Thinking and Introduction to Programming (CTIP152) | Object Oriented Design OOD262 (20 credits) <br><br> * Object Oriented Analysis (OOA262) <br><br> ** Object Oriented Programming (OOP152) & Introduction to Databases (IDB152) | IT Governance ITG372 (10 credits) <br><br> * Risk Management and Disaster Recovery (RMDR372) <br><br> ** Business Law and Compliance (LAW162) |
| | Software Engineering SEN152 (10 credits) <br><br> * Fundamentals of Information Technology (FIT152) | Statistics STA162 (10 credits) <br><br> * Data and Decision-Making (DDM162) | Technology Start-Ups TSU372 (10 credits) <br><br> ** Introduction to Business Management (MAN152) |
| | Technology and Society 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.