

STADIO

HIGHER EDUCATION

SCHOOL OF ARCHITECTURE & ENGINEERING

HIGHER CERTIFICATE IN ARCHITECTURAL PRACTICE

NQF 5 | 120 CREDITS | SAQA ID: 119485 | MIN. 1 YEARS

BELLVILLE (CAPE TOWN)

CAREER OPPORTUNITIES

- ARCHITECTURAL DRAUGHTSPERSON
- SPATIAL DESIGN DRAUGHTSPERSON
- INTERIOR DRAUGHTSPERSON
- JUNIOR ARCHITECTURAL DESIGNER
- JUNIOR ARCHITECTURAL VISUALISER

DESCRIPTION

Are you passionate about the environment, interested in solving problems creatively, and eager to make a positive difference? If so, the Higher Certificate in Architectural Practice may be for you. Whether you are seeking to enter the industry and contribute to an architectural practice or continue your studies, this programme can assist you in your pursuits. The modules covered in this qualification will prepare you to produce basic design and contract documentation required of a Draughtsperson in an office, preparing you for the world of work after graduation. Throughout your studies, you will create a portfolio of work that can be used to secure employment or further your studies in the field of Architecture.

MODE OF DELIVERY – BLENDED CONTACT LEARNING & TEACHING MODEL

The programme is offered in STADIO's Blended Contact mode of delivery. Contact learning is aimed at students who want to attend venue-based face-to-face classes at one of STADIO's campuses. The Blended Contact mode combines classroom and online learning and teaching in a manner that includes some flexibility, while optimising the time students spend on campus. Based on the nature of the module, each module utilises a unique combination of the following learning settings:

- **Classroom:** Classroom sessions involve learning by doing, debating, arguing, trying, experimenting, practising, analysing, and sharing – all the skills students will need when they enter the world of work. Students will have the opportunity to contribute to the learning process and at the same time they will learn from the contributions of their fellow students. Class attendance of venue-based sessions is compulsory.
- **Synchronous online:** These are live online teaching sessions facilitated by a range of lecturers from different campuses. STADIO believes in encouraging students to think and engage laterally and to consider different perspectives and this is what students will get from having different experts share their knowledge with them. Students will be advised of the date and time of the session at the start of the semester, and they may connect from the comfort of their home, or from any other venue. They may also come to campus to make use of the campus Wi-Fi to join these sessions. Some of the live online sessions may be recorded, while others will not. It depends on the nature of the session and the lecturer will advise students beforehand. The lecturer will also use these sessions for group work and for discussions. These sessions are also compulsory, as they are an integral part of the teaching programme.
- **Asynchronous online:** These are recorded lectures which students will watch in their own time, but within the timelines provided in the course environment. In these short sessions, the lecturers will explain the theoretical concepts and they will work through examples, etc. Students enjoy the benefit of watching these important sessions repeatedly during the semester, as they prepare for their assessments.

Students will find a detailed timetable indicating the combination of sessions on the learning management system (Canvas) at the start of the semester. This will enable them to plan their schedule ahead of time, and to optimise travelling arrangements to and from the campus.

Contact learning is suited to students who are able to attend and are interested in participating in face-to-face classes on a physical campus and who want to become part of a campus community with all the activities that go with being on the campus. It is important to realise that class attendance is compulsory and students must commit to regularly attend classes on campus if they want to be successful and derive the best benefits of contact learning.

OUTCOMES

This program's competencies are aligned with the architectural profession's competencies, specifically those defined for an architectural draughtsperson as prescribed by the South African Council for the Architectural Profession (SACAP)*.

On the completion of this programme a student will be able to:

1. Produce design drawings, and local authority and contract documentation for simple, double storey buildings, under supervision and as part of a professional team.
2. Employ graphic, software, mathematical, verbal and written literacy skills required to practice as an architectural Draughtsperson.
3. Identify and apply appropriate construction methods, materials and services for the development of simple, sustainable double storey buildings.
4. Participate in the architectural profession with an awareness of the social and environmental obligations, entrepreneurial potential and the professional and operational responsibilities required of an architectural Draughtsperson.
5. Appreciate appropriate spatial design principles applicable to simple double story dwellings as informed by contextual, social, functional, and technological precedents.
6. Demonstrate awareness of creative and innovative solutions for spatial design practice.

* This qualification has been endorsed by the South African Council for the Architectural Profession (SACAP).

ADMISSION REQUIREMENTS

The admission criteria for the Higher Certificate in Architectural Practice are:

- Senior Certificate (SC); or
 - National Senior Certificate (NSC); or
 - National Senior Certificate
 - Vocational Level 4 (NC(V)),
- a minimum of 40% in English Home Language or a minimum of 30% English First Additional Language.

Applicants are required to each submit a short digital presentation** that contains a brief personal introduction, to explain what they expect to gain from the programme. This digital presentation aims to gauge their communication ability (including the ease with which they engage with digital media), their awareness of the profession, and their motivation to enter the architectural profession.

** Find the Digital Presentation Brief and Guideline at the end of this document.

ARTICULATION POSSIBILITIES

The Higher Certificate in Architectural Practice will equip students with the necessary knowledge and skills to assist them with their application to enter a degree or diploma in a related discipline. Students develop a portfolio of work during their studies, which will aid them in applying for further studies to Students develop a portfolio of work during their studies, which might aid them in applying for further studies.

SPECIFIC REQUIREMENTS

EQUIPMENT REQUIREMENTS

Registered students will be required to have access to the following equipment before their studies can commence:

- Smart device suitable for online learning
- USB to transfer information between devices and locations
- Laptop compatible with software covered in the programme (AutoCAD, SketchUp)

ADDITIONAL EQUIPMENT REQUIREMENTS

Additional items that need to be budgeted for can be found on the stationery and equipment list.

SYSTEM REQUIREMENTS

Students should also have access to the following resources/systems to ensure a seamless learning experience:

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

ADDITIONAL EXPENSES

The following costs may arise during the programme. These are not included in the tuition fees and should be budgeted for accordingly:

- Specialised stationery, textbooks, or equipment
- Printing and presentation costs
- Model building material
- Portfolio expenses
- Outings (petrol, entrance fees etc)

While the school will furnish certain essential consumables, every student must come prepared with the following items on their initial day of class:

- Artline 200 0.4 Fineliner
- PVC-Free Eraser
- A3 20 pocket Flipfile
- 0.5 Clutch Pencil
- 0.5 Clutch Pencil Lead
- 2B Pencil
- HB Pencil
- 6B Pencil
- A4 Notebook
- A3 Portfolio Bag

ACCESS TO TECHNOLOGY

STADIO provides students with materials, resources, assessments (including online tests and quizzes), discussion opportunities and several administrative services via its student administration and learning environments. Access to the above online facilities is essential for efficient communication, learning and success. You will need continuous access to study, using the aforementioned resources, and accessing and submitting some assessments.

STUDENT SUPPORT FOR CONTACT LEARNING STUDENTS

C4SS - CENTRE FOR STUDENT SUCCESS

The Centre for Student Success supports students with academic, psychological and financial wellness.

SSS - STUDENT SUPPORT SERVICES

Student Support Services is the first port of call for all student queries and requests, they can channel your requests to the right individuals.

CURRICULUM OUTLINE

| | MODULES |
|------------------|---|
| Compulsory (All) | Architectural Studio AAS151 (20 credits) |
| | Creativity for Architectural Practice ACA151 (20 credits) |
| | Introduction to Spatial and Architectural Design Principles ADP151 (20 credits) |
| | Introduction to Sustainable Construction ASC151 (20 credits) |
| | Literacies for Architectural Practice ALA151 (20 credits) |
| | Professional Development for Architectural Practice APD152 (20 credits) |
| CREDITS P/YEAR | 120 |

MODULE DESCRIPTIONS

ARCHITECTURAL STUDIO

The 'architectural studio' is a traditional space in and methodology of the education and professional practice of architectural professionals. In this module students can work in a real office as well as in the academic studio. Students will create various sets of drawings that relate to the design and documentation at the scale of a simple double storey building. The drawings will form part of the student portfolio created as a record of the year's work and evidence of the competencies mastered, when applying for either work in practice or towards further study.

CREATIVITY FOR ARCHITECTURAL PRACTICE

Design is a creative act. In the making of buildings, the architectural professional employs creativity and artistic skills to put materials, methods and technology together to make buildings. This module introduces creativity for architectural practice by exploring the nature of creativity. The student will be exposed to design thinking and the design process through a variety of exercises and projects. Collaborative design and participation in design discussions are important and necessary skills of an architectural professional. Fostering creativity is essential to develop an all-round architectural professional.

INTRODUCTION TO SPATIAL AND ARCHITECTURAL PRINCIPLES

The act of design, the design process and design thinking underpin the architectural discipline. This module contextualizes the historic development and organization of human habitation and settlement, with a specific focus on the African continent. Students are introduced to design theory and process as the foundation for spatial design. Precedent studies, in the form of both historic and contemporary dwellings, are explored through basic research and diagrammatic analysis.

INTRODUCTION TO SUSTAINABLE CONSTRUCTION

This module gives the student introductory knowledge to the making of buildings. A variety of traditional and alternative materials, methods and services will be explored. A hands-on approach will enable students to physically engage with the materials and the methods of making that are used in the construction of simple double storey buildings. The module is underpinned by environmental and passive design principles necessary for making sustainable living environments in a range of physical contexts.

LITERACIES FOR ARCHITECTURAL PRACTICE

A set of specific literacy skills are required to design, to solve construction problems and to develop building documentation. This module exposes the student to these skills. Graphic techniques for drawing by hand in a variety of media and drawing software for application in communication and documentation sets the foundation for a career in the architectural profession. Basic numeracy skills that support draughting, construction principles and basic project management are introduced. Language skills and vocabulary that the professional will apply in practice is defined. Basic academic research and writing skills are covered.

PROFESSIONAL DEVELOPMENT

The architectural profession operates within clear legislative boundaries in South Africa and collaboration with professionals from other disciplines is essential. In this module students are made aware of the different role players and related legislation in the built environment. Specific attention is given to different types of architectural practice. Awareness of contextual and socially conscious as well as collaborative practices, are emphasised, together with an entrepreneurial mind-set. The student will be exposed to the operational systems of an architectural office and to the conduct of an experienced architectural professional. Students are introduced to career options and how to develop their own career plans. The architectural profession operates within clear legislative boundaries in South Africa and collaboration with professionals from other disciplines is essential. In this module students are made aware of the different role players and related legislation in the built environment. Specific attention is given to different types of architectural practice. Awareness of contextual and socially conscious as well as collaborative practices, are emphasised, together with an entrepreneurial mind-set. The student will be exposed to the operational systems of an architectural office and to the conduct of an experienced architectural professional. Students are introduced to career options and how to develop their own career plans.

APPLICATION VIDEO BRIEF & GUIDELINE: DIGITAL PRESENTATION BRIEF & GUIDELINE

All applicants must submit a digital presentation that contains an introduction to who they are, explain what they expect to gain from the programme, and provide reasons for selecting them for the Higher Certificate in Architectural Practice or the Higher Certificate in Spatial Design. The digital presentation takes the form of a video presentation of a maximum of 3 minutes duration, using any medium or combination of media, including verbal commentary to motivate why they should be enrolled in the programme.

It sounds a bit daunting, doesn't it?

This short guide will provide you with a few pointers to assist you with your presentation and an outline explaining what we hope to see when we view your digital presentation.

How do you need to do it?

You need to create a digital presentation of at least 3 minutes, including your own verbal commentary. This digital presentation can be made using your mobile device, PowerPoint, or any related software you are comfortable using to communicate visuals and your supportive commentary. This digital presentation is to be uploaded on our website as part of your application process.

What are we looking for?

Our goal with this digital presentation is to get to know you better. See what you enjoy, what inspires you, and how you view the world and the spaces around you. There is no right or wrong information.

Make sure that the content you cover in your digital presentation includes the following:

- Think about your favourite building and introduce it in your video. Mention why you chose it, what you like about it, and what makes it different (if it is).
- Introduce your favourite architect and one of their buildings. What about this architect inspires you?
- When you think about Architecture, what comes to mind? What do you think Architecture is?
- Why do you think the profession of architecture is vital in the world

Some tips for creating & sending your video:

- A good starting point would be to introduce yourself. You can show your face or a graphic that represents you.
- Make sure that your voice is audible. What you have to say is just as important, if not more, than what you show.
- Special effects are cool, but we are not looking at your technical skills so don't let these hinder you from sharing your thoughts.
Keep file sizes smaller than 5Mb. If your submission exceeds this file size, reach out to us by sending an email to registration.SOAASD@stadio.ac.za so that we can see how we can assist.
- Lastly, have fun. This is the start of an exciting adventure, and we are looking forward to meeting you and going on this journey with you.

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FEES & PAYMENT
OPTIONS



PRESCRIBED
TEXTBOOKS



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www.stadio.ac.za



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