BACHELOR OF ARCHITECTURE
(Qualification type: Professional Bachelor's Degree)
Qualification code: BPAR17 - NQF Level 8 (480 credits)
SAQA ID: 48735, CHE NUMBER: H/H16/E013CAN
Campus where offered: Pretoria Campus

REMARKS

a. Admission requirement(s) and selection criteria:

• FOR APPLICANTS WHO OBTAINED A SENIOR CERTIFICATE BEFORE 2008:

  Admission requirement(s):
  A Senior Certificate or an equivalent qualification, with a D symbol (50 – 59%) at Higher Grade or a C symbol (60 – 69%) at Standard Grade for English.

  Selection criteria:
  To be considered for this qualification, applicants must have an Admission Point Score (APS) of at least 25 (six subjects).

• FOR APPLICANTS WHO OBTAINED A NATIONAL SENIOR CERTIFICATE IN OR AFTER 2008:

  Admission requirement(s):
  A National Senior Certificate, with a bachelor’s degree endorsement (four subjects with a minimum score of 4 in the subjects), or an equivalent qualification, with an achievement level of at least 4 for English (home language or first additional language).

  Selection criteria:
  To be considered for this qualification, applicants must have an Admission Point Score (APS) of at least 25.

• FOR APPLICANTS WHO OBTAINED A QUALIFICATION FROM TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING (TVET) COLLEGES (PREVIOUSLY KNOWN AS FET COLLEGES):

  Applicants with a National Certificate (Vocational) at NQF Level 4:

  Admission requirement(s):
  A National Certificate (Vocational) at NQF Level 4, with a bachelor’s degree endorsement, issued by the Council for Quality Assurance in General and Further Education and Training (Umalusi), with at least 60% (APS of 5) for English and Mathematics or Mathematical Literacy and at least 70% (APS of 6) for any four other vocational subjects.

  Selection criteria:
  To be considered for this qualification, applicants must have an Admission Point Score (APS) of at least 34.

• FOR APPLICANTS WITH QUALIFICATIONS ON THE HIGHER EDUCATION QUALIFICATION SUB-FRAMEWORK (HEQSF) OFFERED BY UNIVERSITIES OF TECHNOLOGY:

  The applicant will be considered for admission to the programme, if a qualification is in Architecture or Architectural Technology or a related field of study on NQF Level 5 or above with at least 60% for all modules completed.

  Selection criteria:
  Admission will be based on academic performance; availability of space; and an interview.
b. **Assessment procedure:**
   After passing the initial administrative screening, all applicants will sit for additional assessment arranged with the Department of Architecture. The purpose of the assessment is to select only those applicants who are most likely to be successful in their studies in Architecture. The University reserves the right to select the best candidates for this programme. Please contact the Department for information pertaining to the assessment. Information pertaining to the assessment is available on the Department’s website: www.tutarchitecture.co.za.

c. **Minimum duration:**
   Four years.

d. **Presentation:**
   Day classes. Classes and assessments may take place on Friday afternoons and/or Saturdays.

e. **Intake for the qualification:**
   January only.

f. **Exclusion and readmission:**
   See Chapter 2 of Students’ Rules and Regulations.

g. **Recognition of Prior Learning (RPL), equivalence and status:**
   See Chapter 30 of Students’ Rules and Regulations.

h. **Class timetables and class times:**
   Students will only be permitted to register for modules in different year groups if the scheduled contact sessions for those modules do not coincide. Students should therefore take note of scheduled contact sessions and class times before registering.

i. **Module credits:**
   Module credits are shown in brackets after each module.

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**CURRICULUM**

**FIRST YEAR**

Upon first registration for this academic year, the following modules and its combinations must be taken concurrently:
- ACH105P and CDO105P.
- ACH105P and THD105P.
- CDO105P, CSM105P and KME105P.

In the event of failing, non-completion and/or de-registering any of the above modules, the following rule(s) will apply:
- CDO105P may not precede ACH105P, because CDO105P is based on ACH105P.
- If THD105P has been passed previously, a student may continue with ACH105P.
- CSM105P and KME105P may not precede CDO105P, because CSM105P and KME105P are based on CDO105P.

<table>
<thead>
<tr>
<th>CODE</th>
<th>MODULE</th>
<th>NQF-L</th>
<th>CREDIT</th>
<th>PREREQUISITE MODULE(S)</th>
</tr>
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<tbody>
<tr>
<td>ABC105P</td>
<td>Applied Building Science I</td>
<td>(5)</td>
<td>(6,0)</td>
<td></td>
</tr>
<tr>
<td>ACH105P</td>
<td>Architectural Design I</td>
<td>(5)</td>
<td>(48,0)</td>
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</tr>
<tr>
<td>CAI105P</td>
<td>Computer-Aided Draughting I</td>
<td>(5)</td>
<td>(4,8)</td>
<td></td>
</tr>
<tr>
<td>CDO105P</td>
<td>Contract Documentation I</td>
<td>(5)</td>
<td>(14,4)</td>
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<tr>
<td>COA105P</td>
<td>Computer Applications I</td>
<td>(5)</td>
<td>(4,8)</td>
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<tr>
<td>COM105P</td>
<td>Communication I</td>
<td>(5)</td>
<td>(4,8)</td>
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<tr>
<td>CSM105P</td>
<td>Construction Materials I</td>
<td>(5)</td>
<td>(6,0)</td>
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<tr>
<td>HAC105P</td>
<td>History of Architecture I</td>
<td>(5)</td>
<td>(6,0)</td>
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<tr>
<td>KME105P</td>
<td>Construction Methods I</td>
<td>(5)</td>
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</table>
SECOND YEAR

Upon first registration for this academic year, the following module and its combinations must be taken concurrently:

- ACH206P and CDO206P.
- ACH206P and THD206P.
- CDO206P, CSM206P and KME206P.

In the event of failing, non-completion and/or de-registering any of the above modules, the following rule(s) will apply:

- CDO206P may not precede ACH206P, because CDO206P is based on ACH206P.
- If THD206P has been passed previously, a student may continue with ACH206P.
- CSM206P and KME206P may not precede CDO206P, because CSM206P and KME206P are based on CDO206P.

<table>
<thead>
<tr>
<th>CODE</th>
<th>MODULE</th>
<th>NQF-L</th>
<th>CREDIT</th>
<th>PREREQUISITE MODULE(S)</th>
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<tbody>
<tr>
<td>ACH206P</td>
<td>Architectural Design II</td>
<td>(6)</td>
<td>(48,0)</td>
<td>Architectural Design I</td>
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<tr>
<td>CDO206P</td>
<td>Contract Documentation II</td>
<td>(6)</td>
<td>(18,0)</td>
<td>Contract Documentation I</td>
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<tr>
<td>CM206P</td>
<td>Computer-Aided Design II</td>
<td>(6)</td>
<td>(6,0)</td>
<td>Computer-Aided Draughting I Computer Applications I</td>
</tr>
<tr>
<td>CSM206P</td>
<td>Construction Materials II</td>
<td>(6)</td>
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<td>Construction Materials I</td>
</tr>
<tr>
<td>KME206P</td>
<td>Construction Methods II</td>
<td>(6)</td>
<td>(6,0)</td>
<td>Construction Methods I History of Architecture I</td>
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<tr>
<td>THD206P</td>
<td>Theory of Design II</td>
<td>(6)</td>
<td>(6,0)</td>
<td>Theory of Design I</td>
</tr>
</tbody>
</table>

TOTAL CREDITS FOR THE SECOND YEAR: 120

THIRD YEAR

Upon first registration for this academic year, the following module and its combinations must be taken concurrently:

- ACH307P and CDO307P.
- ACH307P and LDE307P.
- ACH307P and THD307P.

In the event of failing, non-completion and/or de-registering any of the above modules, the following rule(s) will apply:

- CDO307P may not precede ACH307P, because CDO307P is based on ACH307P.
- LDE307P may not precede ACH307P, because LDE307P is based on ACH307P.
- If THD307P has been passed previously, a student may continue with ACH307P.
- BSV307P, CSM307P, KME307P and SPQ307P may not precede CDO307P, because these modules are based on CDO307P.

<table>
<thead>
<tr>
<th>CODE</th>
<th>MODULE</th>
<th>NQF-L</th>
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<th>PREREQUISITE MODULE(S)</th>
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<tr>
<td>ACH307P</td>
<td>Architectural Design III</td>
<td>(7)</td>
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<tr>
<td>AHC307P</td>
<td>Architectural Practice III</td>
<td>(7)</td>
<td>(6,0)</td>
<td>Architectural Technology Practice II</td>
</tr>
<tr>
<td>BSV307P</td>
<td>Building Services III</td>
<td>(7)</td>
<td>(6,0)</td>
<td></td>
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</tbody>
</table>
CAI307P Computer-Aided Draughting III (7) (6,0) Computer-Aided Design II
CDO307P Contract Documentation III (7) (15,6) Contract Documentation II
CSM307P Construction Materials III (7) (6,0) Construction Materials II
KME307P Construction Methods III (7) (6,0) Construction Methods II
LDE307P Landscape Design III (7) (12,0) Architectural Design II
SFA307P Surveying for Architecture III (7) (4,8)
SPQ307P Specification and Quantities III (7) (3,6)
THD307P Theory of Design III (7) (6,0) Theory of Design II

TOTAL CREDITS FOR THE THIRD YEAR: 120

FOURTH YEAR
One of the following options (as determined by the Head of the Department):

Option 1: Architectural Design
This option is accredited by the South African Council for the Architectural Profession (SACAP) for registration in the SACAP category of Candidate Senior Technologist. The degree is internationally validated through the Canberra Accord (CA). The CA facilitates the portability of educational credentials amongst participating member countries by recognising the similarity of professional architecture degrees. CA signatories include Canada, China, Korea, Mexico, South Africa, the USA and a further 35 countries represented by the Commonwealth Association of Architects (CAA).

In order to continue with this option, students will be required to obtain a minimum mark of 70% in the final examination for Architectural Design III. Should they not meet this requirement, they will only be allowed to continue if recommended by the examination panel for Architectural Design III and Theory of Design III and the subsequent endorsement by the Head of the Department.

Upon first registration for this academic year, the following module and its combinations must be taken concurrently:
- ACH408P and PUD408P.
- ACH408P and THD408P.
- CSM408P and KME408P.

In the event of failing, non-completion and/or de-registering any of the above modules, the following rule(s) will apply:
- If THD408P has been passed previously, a student may continue with ACH408P.
- PUD408P may not precede ACH408P, because PUD408P is based on ACH408P.

<table>
<thead>
<tr>
<th>CODE</th>
<th>MODULE</th>
<th>NQF-L</th>
<th>CREDIT</th>
<th>PREREQUISITE MODULE(S)</th>
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<tr>
<td>ACH408P</td>
<td>Architectural Design IV</td>
<td>(8)</td>
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<tr>
<td>CSM408P</td>
<td>Construction Materials IV</td>
<td>(8)</td>
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<tr>
<td>KME408P</td>
<td>Construction Methods IV</td>
<td>(8)</td>
<td>(12,0)</td>
<td>Construction Methods III</td>
</tr>
<tr>
<td>LWC408P</td>
<td>Law and Contract Management IV</td>
<td>(8)</td>
<td>(12,0)</td>
<td>Architectural Practice III</td>
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<tr>
<td>PJG408P</td>
<td>Project Management IV</td>
<td>(8)</td>
<td>(9,6)</td>
<td>Architectural Practice III</td>
</tr>
<tr>
<td>PUD408P</td>
<td>Principles of Urban Design IV</td>
<td>(8)</td>
<td>(12,0)</td>
<td>Landscape Design III</td>
</tr>
<tr>
<td>STR408P</td>
<td>Structures IV</td>
<td>(8)</td>
<td>(9,6)</td>
<td>Applied Building Science I</td>
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<tr>
<td>THD408P</td>
<td>Theory of Design IV</td>
<td>(8)</td>
<td>(4,8)</td>
<td>Theory of Design III</td>
</tr>
</tbody>
</table>

TOTAL CREDITS FOR THE FOURTH YEAR: 120

Option 2: Architectural Technology
Information for this option will be made available as soon as it is approved by the various approval bodies.

TOTAL CREDITS FOR THE QUALIFICATION: 480
The syllabus content is subject to change to accommodate industry changes. Please note that a more detailed syllabus is available at the Department or in the study guide that is applicable to a particular module. On 8 August 2018, the syllabus content was defined as follows:

**APPLIED BUILDING SCIENCE I (ABC105P)**
*Module custodian: Department of Architecture*

**ARCHITECTURAL DESIGN I (ACH105P)**
*Module custodian: Department of Architecture*
Design projects at a single-storey residential scale with simple circulation and zoning. Spaces around elements and elements in space. Ergonomics: design around human spatial requirements. Structure and material as generators. Introduction to environmental effects on design. The role of context in determining aesthetics. (Total tuition time: ± 252 hours)

**ARCHITECTURAL DESIGN II (ACH206P)**
*Module custodian: Department of Architecture*
Design projects consisting of predominantly low-rise buildings with more complex circulation requirements with an emphasis on the following aspects: 1. Design process: determining design generators, concept, context and concept development. 2. Structure and material as design generators. 3. Environment and climate as design generators. 4. Introduction to problem analysis. (Total tuition time: ± 126 hours)

**ARCHITECTURAL DESIGN III (ACH307P)**
*Module custodian: Department of Architecture*
Design projects of simple multi-storey buildings (i.e. offices with a basement), as well as long-span structures (i.e. factories), emphasising issues such as: 1. Problem analysis as first step to synthesis; 2. Interpretation of the brief; 3. The effects of and solutions to environmental and climatic influences on design; 4. The principles of sustainability, as applied to buildings; 5. The fabric of the city: how a design solution acts as building block within the structure and fabric of the city. (Total tuition time: ± 252 hours)

**ARCHITECTURAL DESIGN IV (ACH408P)**
*Module custodian: Department of Architecture*
Design projects and exercises to promote creativeness and lateral thinking. Analysis of local heritage, town structure, climate and social structure. This will culminate in appropriate design proposals, with consideration to principles of sustainable development/green building where applicable, structure and material as major generators of design, structures with complex circulation and specialised design and/or construction and services (small auditorium, museum, etc.), as well as a mixed-use building, emphasising the following issues: problem analysis, interpretation and development of the brief. Environmental and climatic issues and their influence on design. Sustainability. Urban issues. (Total tuition time: ± 252 hours)

**ARCHITECTURAL PRACTICE III (AHC307P)**
*Module custodian: Department of Architecture*
Office management (drawing-office practice, forms of collaboration and doing business, strengths and weaknesses, space and equipment requirements and layout). The SAIA Practice Manual (client/architect agreement, accepting work at risk, remuneration for work at risk, styles of practice, multidisciplinary firms, agreement checklist, employment conditions, architect/consultant relationship, project managers, clerk of works, issuing drawings and documentation, the concept of principal agent). The building contract (tender procedures, types of building contracts, forms of subcontractors, dispute resolution and the role of consultants). (Total tuition time: ± 14 hours)
ARCHITECTURAL TECHNOLOGY PRACTICE II (ARC206P)  
(Module custodian: Department of Architecture)  
CONTINUOUS ASSESSMENT
This module/subject consists of work-integrated learning in an architectural practice, where the following aspects should be encountered: Presentation drawings. Working drawings and specifications. Building and site surveying. Office procedures (electronic data-management procedures, printing and plotting, issuing drawings, library, filing, staff meetings, general office duties). Local authority procedures and approval of documents. Exposure to site inspections and meetings. Liaison with consultants and representatives. (No formal tuition hours)

BUILDING SERVICES III (BSV307P)  
(Module custodian: Department of Architecture)  
CONTINUOUS ASSESSMENT

COMMUNICATION I (COM105P)  
(Module custodian: Department of Architecture)  
CONTINUOUS ASSESSMENT
Communication within the architectural profession. Relevant terminology and professional vocabulary. Summarising techniques. Comprehension. Report writing. Academic writing and referencing using ENDNOTE (or other approved referencing software). (Total tuition time: ± 30 hours)

COMPUTER-AIDED DESIGN II (CMI206P)  
(Module custodian: Department of Architecture)  
CONTINUOUS ASSESSMENT
Building Information Modelling (BIM) software. Using ArchiCAD (or other approved CAD software) to produce working drawings from design models. Intermediate skills level of ArchiCAD (or other approved CAD software). (Total tuition time: ± 24 hours)

COMPUTER-AIDED DRAUGHTING I (CAI105P)  
(Module custodian: Department of Architecture)  
CONTINUOUS ASSESSMENT
ArchiCAD (or other approved CAD software): An introduction with emphasis on using 2D in the production of technical drawings. (Total tuition time: ± 30 hours)

COMPUTER-AIDED DRAUGHTING III (CAI307P)  
(Module custodian: Department of Architecture)  
CONTINUOUS ASSESSMENT
Photoshop (or other approved rendering software), 3-D modelling and rendering, REVIT for Architecture (or other approved CAD software). (Total tuition time: ± 30 hours)

COMPUTER APPLICATIONS I (COA105P)  
(Module custodian: Department of Architecture)  
CONTINUOUS ASSESSMENT
MS Windows, MS Word, MS Excel, Photoshop. Basic hardware terminology. Introduction to the Internet and e-mail. SketchUp. (Total tuition time: ± 42 hours)

CONSTRUCTION MATERIALS I (CSM105P)  
(Module custodian: Department of Architecture)  
CONTINUOUS ASSESSMENT

CONSTRUCTION MATERIALS II (CSM206P)  
(Module custodian: Department of Architecture)  
CONTINUOUS ASSESSMENT
CONSTRUCTION MATERIALS III (CSM307P) (Module custodian: Department of Architecture) CONTINUOUS ASSESSMENT

CONSTRUCTION MATERIALS IV (CSM408P) (Module custodian: Department of Architecture) CONTINUOUS ASSESSMENT

CONTRACT DOCUMENTATION I (CDO105P) (Module custodian: Department of Architecture) CONTINUOUS ASSESSMENT
Drawing equipment and materials, lettering, line work and geometric exercises, graphic projections, scale, dimensioning and annotation. Working drawings: ground-floor plan, sections, elevations and site plan, application of the National Building Regulations, services layouts. Construction detailing, measuring existing work, drawing office equipment, storage of information, the role of the architect, technologist and other professional consultants, the building contractor and the client. (Total tuition time: ± 168 hours)

CONTRACT DOCUMENTATION II (CDO206P) (Module custodian: Department of Architecture) CONTINUOUS ASSESSMENT
Working drawings of own design, which could be used for measuring by a quantity surveyor and as contract documents with a bill of quantities. Detail drawings for discussion with consultants. Construction detail design drawings. Schedules: finishing, doors, windows, cupboards, etc. Details of components and fixtures. (Total tuition time: ± 63 hours)

CONTRACT DOCUMENTATION III (CDO307P) (Module custodian: Department of Architecture) CONTINUOUS ASSESSMENT

CONSTRUCTION METHODS I (KME105P) (Module custodian: Department of Architecture) CONTINUOUS ASSESSMENT

CONSTRUCTION METHODS II (KME206P) (Module custodian: Department of Architecture) CONTINUOUS ASSESSMENT
CONSTRUCTION METHODS III (KME307P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)

CONSTRUCTION METHODS IV (KME408P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)

H
HISTORY OF ARCHITECTURE I (HAC105P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)
Introduction and an overview of Western architecture, from the origins to the present day, and Southern African architecture, from the origins to the present day. Principal examples, as well as technological and cultural aspects, are highlighted and put in social context. Visits to local historical examples. (Total tuition time: ± 28 hours)

L
LANDSCAPE DESIGN III (LDE307P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)

LAW AND CONTRACT MANAGEMENT IV (LWC408P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)

P
PRESENTATION TECHNIQUES I (PTT105P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)
PRINCIPLES OF URBAN DESIGN IV (PUD408P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)

PROJECT MANAGEMENT IV (PJG408P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)

SPECIFICATION AND QUANTITIES III (SPQ307P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)
The following aspects of specification and quantities are covered: introduction to bills, specifications for bills of quantities, interaction between drawings and other contract documentation, as well as estimates, feasibility, measuring units, costing and influencing factors. (Total tuition time: ± nine hours)

STRUCTURES IV (STR408P) CONTINUOUS ASSESSMENT
(Subject/Module custodians: Departments of Civil Engineering and Architecture)
Visits to buildings. Relevant topics relating to design projects. Green architecture. Pro-bono architecture and architecture for the poor. Selected topic from the social and behavioural sciences. Speculative architecture. Selected period from the fine arts, including painting and sculpture. Theory: the work of international and local architects and architectural firms. (Total tuition time: ± 21 hours)

SURVEYING FOR ARCHITECTURE III (SFA307P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)

THEORY OF DESIGN I (THD105P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)

THEORY OF DESIGN II (THD206P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)

THEORY OF DESIGN III (THD307P) CONTINUOUS ASSESSMENT
(Module custodian: Department of Architecture)
THEORY OF DESIGN IV (THD408P)

(Module custodian: Department of Architecture)

Visits to buildings. Relevant topics relating to design projects. Green architecture. Pro-bono architecture and architecture for the poor. Selected topic from the social and behavioural sciences. Speculative architecture. Selected period from the fine arts, including painting and sculpture. Theory: the work of international and local architects and architectural firms. (Total tuition time: ± 21 hours)